

Wired & Wireless Product Guide

2018



Global Leader in Connectivity Solutions

A Better Alternative for Connectivity Solutions

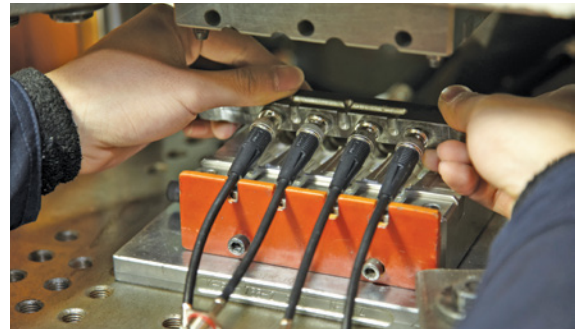
L-com's expert manufacturing is paired with a service initiative that combines highly personalized customer service with a vast product inventory for off-the-shelf availability and same-day shipments for many products.

With a robust component supply chain and technical services and engineering functions that deliver service benefits other component manufacturers are unable to offer, L-com is the only connectivity company to offer the best features of both a manufacturer and a value-added service provider.

Expert Manufacturing

The most unique characteristic of L-com is that it is both a component manufacturer and a value-added service provider.

L-com has been manufacturing high-reliability connectivity products for over thirty years and has manufacturing and fulfillment facilities worldwide. Whether you require custom NEMA enclosures, unique cable assemblies built to your specifications, overmolded assemblies, or even custom built RF amplifiers, L-com has the expertise and capabilities to meet your custom manufacturing requirements.



As a Manufacturer:

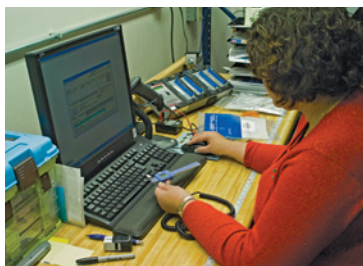
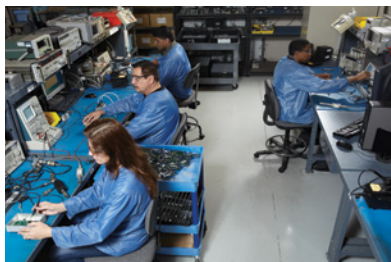
- Consistent, quality products that meet or exceed specifications and match exact product feature needs
- Unrivalled technical knowledge and support, with expert application assistance available
- Lower minimum order quantity for custom products



As a Value-Added Service Provider:

- Strong inventory position
- Same day shipping
- Personalized service
- Robust ecommerce website for easy ordering





Products and Solutions for Every Need

- Vast inventory of over 20,000 in-stock catalog products
- Expert technical and application support
- Same-day shipping
- No minimum order requirements for catalog items
- Modifiable, custom-designed or prototype components
- ISO 9001:2008, ITAR and GSA Registered
- Award winning customer service
- Quick response to quotes, designs, prototypes and manufacturing requests
- Tutorials, product drawings, tech info and more

L-com is the premier source for the connectivity solutions you need when you need them.

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ONLINE: L-com.com

TOLL FREE: 800-343-1455

E-MAIL: sales@L-com.com

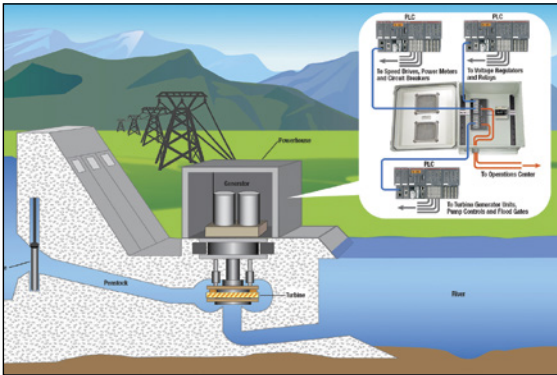
Over 30 years in the wired and wireless connectivity business has given us the expertise to help you solve the tough problems. We offer free technical resources online to help you do your job. Choose from a host of tips, videos, white papers and tools designed to assist you in the planning, design and implementation of your communications network.

Connector Charts

L-com's connector reference charts help you find the exact connector you need. You may not know the name of every connector in the industry, but you know what you want. Compare our detailed images of widely used and not so common connectors to identify the connector you are looking for.

- Audio/Video Connectors
- Fiber Optic Connectors
- Telecom/Modular (Ethernet) Connectors
- Coaxial Connectors
- See more online at **L-com.com**
- D-Subminiature Connectors
- SATA, eSATA, Centronics, SCSI Connectors
- USB Connectors

| Coaxial Connectors | | |
|-----------------------|------|--------|
| Connector Description | Male | Female |
| Coaxial 1.6/5.6 | | |
| Coaxial BNC 50 Ohm | | |
| Coaxial BNC 75 Ohm | | |



Application Overviews

L-com provides detailed application diagrams depicting common wired and wireless network applications to help you see how all of our products come together to provide a complete solution. Our application diagrams can be used for reference when planning new networks or when adding on to existing networks.

Wired

- Process Automation Network
- Hydroelectric Dam Network
- Wastewater Treatment Plant Network
- Manufacturing Network Application

Wireless

- Campground Wireless Network
- Gas Pipeline Network
- Warehouse Wireless Network
- Marina Wireless Network

• See more online at **L-com.com**

White Papers

L-com's white paper library consists of wired and wireless topics ranging from choosing the correct antenna for your application to a detailed overview on Industrial Ethernet. These informative white papers can help you decide which products will work best in your application as well as educate you on the principles of different technologies.

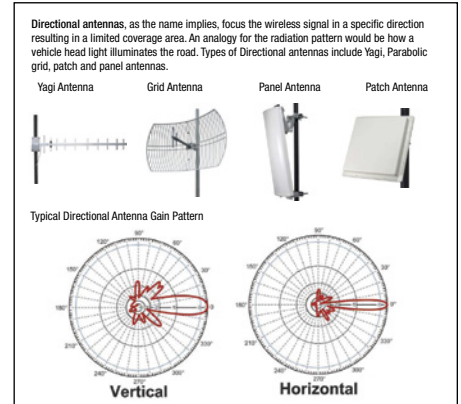
Wired

- Cabling Requirements for Harsh Environments
- Power-Over-Ethernet (PoE)
- Building an Ethernet Network
- Specialized Cabling for Military Applications

Wireless

- Antenna Installation Considerations
- Industrial Wireless Mesh Network Architectures
- WiFi Antenna Installation Best Practices

• See more online at **L-com.com**



| 3 Watt to 25 Watt Amplifiers | | | | | | | | | |
|------------------------------|--------|---------|-----------|---------|---------|--------------|--------|---------|-----------|
| Output Power | Indoor | Outdoor | Connector | 802.11b | 802.11g | Model Number | Indoor | Outdoor | Connector |
| 3 Watt | ✓ | ✓ | 16 Female | ✓ | ✓ | HA25001-AP | ✓ | ✓ | 16 Female |
| 5 Watt | ✓ | ✓ | 16 Female | ✓ | ✓ | HA25002-AP | ✓ | ✓ | 16 Female |
| 10 Watt | ✓ | ✓ | 16 Female | ✓ | ✓ | HA25003-AP | ✓ | ✓ | 16 Female |
| 15 Watt | ✓ | ✓ | 16 Female | ✓ | ✓ | HA25004-AP | ✓ | ✓ | 16 Female |
| 20 Watt | ✓ | ✓ | 16 Female | ✓ | ✓ | HA25005-AP | ✓ | ✓ | 16 Female |
| 25 Watt | ✓ | ✓ | 16 Female | ✓ | ✓ | HA25006-AP | ✓ | ✓ | 16 Female |

Product Matrix / Cross Reference Charts

L-com's product matrices and cross reference charts make finding products fast and easy. These easy to use tools are a great resource when trying to narrow down the right product for your application.

- Cable Assembly Cross Reference
- NEMA Enclosure Cross Reference
- Coaxial Adapter Locator
- RF Amplifier Cross Reference
- Surge Protector Cross Reference
- See more online at **L-com.com**

Technical Briefs and Articles

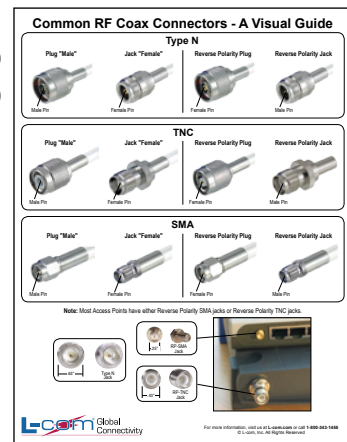
L-com's technical briefs and articles section is broken down by wired and wireless categories to help you find the information you need faster. Topics in this section range from detailed technical articles to concise application charts.

Wired

- Proper Grounding of Outdoor Lightning Protectors
- D-Subminiature Cable Application Guide
- USB Cable Selection Guide
- Ethernet Cable Applications

Wireless

- Designing and Deploying a Wireless Network
- What is a Distributed Antenna System
- Low-Loss Coax Cable Applications
- Common RF Coax Connectors
- See more online at **L-com.com**



Product Wizards

Our intuitive product wizards lead you to the right product every time. Whether looking for a cable assembly, antenna or connector, our wizards can help. Simply choose from pre-loaded drop downs to find the product you are looking for.

- Connectors
- Antennas
- Enclosures
- RF Amplifiers
- Adapters
- Cable Assemblies
- Surge Protectors
- See more online at **L-com.com**

Connectors Product Wizard

Looking to terminate your own cable, but you're not sure the connector you need? L-com makes selecting the right connector easy. Follow just 2 steps below and we'll present the most likely connectors for you. Note: Product images are for representational purposes only.

Step 1

Please select the connector 1.

You have selected D-SUB DB15 FEMALE for Step 1

Continue to step 2 or [clear this selection](#)



Step 2

Please select the connector 2.

You have selected D-SUB DB15 MALE for Step 2

Continue to step 3 or [clear this selection](#)



How To Setup An Outdoor WiFi Booster (Video)



Tips, Tutorials and Videos

L-com's tips, tutorials and videos section includes informative how to videos and detailed technical overview tutorials to help you understand different wired and wireless technologies. Our full color tech tips provide insight on common installation and design techniques as well as answers to FAQs.

- Fiber Optic Tutorial
- Coaxial Cable Tutorial
- How to Setup an Indoor WiFi Booster Video
- USB Tutorial
- How to Mount D-Sub Adapters Video
- See more online at **L-com.com**

Engineering Hub

Official Blog of L-com

L-com Blog

We've created a place to interact with customers, colleagues, fellow techies and engineers just like you. Called "The Engineering Hub", L-com's official blog is the place to get insight, facts and trends on anything and everything wired and wireless. It includes tips, tutorials, and hot topics to keep you informed. We highlight technologies including USB, Ethernet, 802.11 wireless networks, Industrial Networking, Fiber Optics and more.

Join the conversation today at **L-com.com/blog**



Wireless Antenna Tutorial

What are Wireless Antennas?

Wireless antennas are the part of a radio communications system that radiate and/or collect radio frequency energy.

How are Wireless Antennas used?

Wireless antennas are typically connected via low loss coaxial cable either to an amplifier, splitter, filter or directly to a wireless access point or router. For outdoor applications wireless antennas are often attached via mounting

clamps to a mast or to the side of a building via mounting brackets. Wireless Antennas used indoors are typically ceiling mounted or sometimes mounted high up on a wall.

Where are Wireless Antennas used?

Wireless antennas are used in many environments and for many applications. Models for both indoor and outdoor use are available as well as specialty antennas such as Marine antennas used in nautical applications.

Wireless antennas are used in both commercial and military/government applications including small office/home office (SOHO) networks, Enterprise (office) networks, supervisory

control and data acquisition (SCADA) networks, homeland security, factory automation, mining, oil processing, wireless cafe "hotspots", energy management and control, police, fire and emergency services networks, radio frequency identification (RFID) applications and industrial science and medical (ISM) networks.

Wireless antennas are used in/on buildings, oil rigs, wind turbines, terrestrial vehicles, boats, aircraft and other mobile and stationary platforms.

There are two main types of WiFi antennas, Omni Directional and Directional

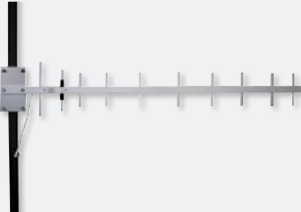



Omni Directional Antennas provide a 360° donut shaped radiation pattern to provide the widest possible signal coverage in indoor and outdoor wireless applications. An analogy for the radiation pattern would be how an un-shaded incandescent light bulb illuminates a room. Types of Omni Directional Antennas include "Rubber Duck" Antennas often found on access points and routers, Omni Antennas found outdoors and Ceiling Antennas used inside buildings and structures.

Omni Directional Antennas

| Outdoor Omni Antenna | Rubber Duck Antenna | Ceiling Antenna |
|--|--|--|
|  |  |  |













Directional antennas, as the name implies, focus the wireless signal in a specific direction resulting in a limited coverage area. An analogy for the radiation pattern would be how a vehicle head light illuminates the road. Types of Directional Antennas include Yagi, Parabolic Grid, Patch and Panel Antennas.

Directional Antennas

| Yagi Antenna | Grid Antenna | Panel Antenna | Patch Antenna |
|---|---|---|---|
|  |  |  |  |

A Critical Component for Every Wireless Application...

The selection of the correct antenna is paramount to achieving overall wireless system performance. L-com's HyperGain® antennas offer a wide range of frequencies, antenna styles, gain specifications and beamwidth coverage for your wireless system applications and needs. When performance is essential, select the best HyperGain® antenna to fit the application.

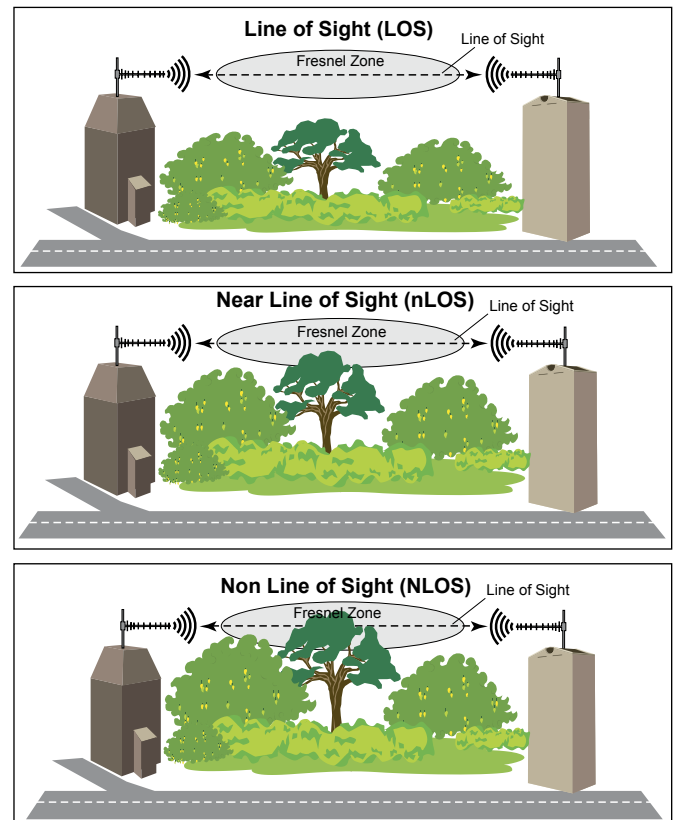
| Antenna Styles/Characteristics | | | | | | | |
|--|--|--|--|--|--|--|---|
| Style | *Features | Style | *Features | Style | *Features | Style | *Features |
| GRID  | <ul style="list-style-type: none"> Die cast construction UV stable light gray powder coat finish Easy to assemble Rugged all weather operation | RUBBER DUCK  | <ul style="list-style-type: none"> 360° coverage Tilt & swivel design Ideal for access points | YAGI  | <ul style="list-style-type: none"> All weather operation Can be installed for either vertical or horizontal polarization | MIMO  | <ul style="list-style-type: none"> Multi-band Broad-band MIMO configurations Dual polarity Spatial diversity |
| DISH  | <ul style="list-style-type: none"> UV stable polymer finish All weather operation Optional radomes | ARRAYS  | <ul style="list-style-type: none"> 360° coverage Stainless steel construction All weather operation | PANEL  | <ul style="list-style-type: none"> All weather operation Sector/directional coverage Mechanical down-tilt | CEILING  | <ul style="list-style-type: none"> 360° coverage Indoor use Compact size, easy to mount MIMO configurations |
| OMNI  | <ul style="list-style-type: none"> 360° coverage Indoor & outdoor use Mobile applications Compact models available | LOG PERIODIC  | <ul style="list-style-type: none"> Ideal for use with multiband access points and routers 2.3 GHz to 6.5 GHz Compact size - low profile | MARINE  | <ul style="list-style-type: none"> 360° coverage Nautical environments All weather operation | MOBILE MOUNT  | <ul style="list-style-type: none"> 360° coverage All weather operation |

* Product features may vary. See individual antennas for differences.

LINE OF SITE IS CRITICAL TO THE SUCCESS OF YOUR WIRELESS NETWORK

The path between two antennas is referred to as the Line of Sight. There are three main categories of Line of Sight, the first being full Line of Sight (LOS) where no obstacles reside between the two antennas, the next is called Near Line of Sight (nLOS) which includes partial obstructions such as tree tops between the two antennas and lastly Non Line of Sight (NLOS) where full obstructions exist between the two antennas. By determining the specific line of sight conditions in the WiFi network area you can then determine the correct type of wireless system to install.

The Fresnel Zone referenced in the diagrams (right) is an electromagnetic phenomenon, where light waves or radio signals get diffracted or bent from solid objects near their path. The radio waves reflecting off the objects may arrive out of phase with the signals that traveled directly to the receiving antenna thus reducing the power of the received signal.

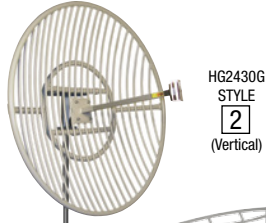




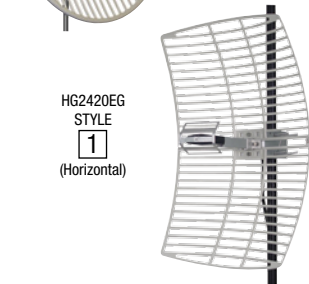
HG8915EG
STYLE
1
(Vertical)



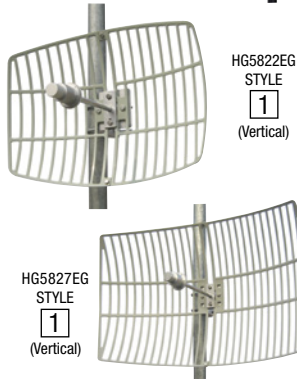
HG1922EG-NF
STYLE
1
(Vertical)



HG2430G
STYLE
2
(Vertical)



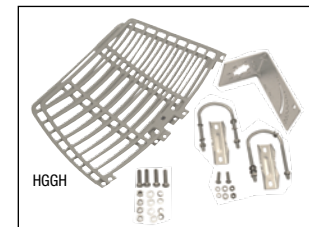
HG2420EG
STYLE
1
(Horizontal)



HG5822EG
STYLE
1
(Vertical)



HG5827EG
STYLE
1
(Vertical)



HGGH



HG215EG-NF

"STYLE" refers to shape of antenna in series.
Vertical/Horizontal refers to polarity.

L-com Grid Antennas

L-com's grid antennas feature a multi-piece reflector grid. With this type of design they are not only easy to assemble, but they significantly reduce shipping costs compared to similar antennas with one piece reflector grids. These durable all weather antennas have an open frame grid design. This minimizes wind loading on the antenna.

| Item # | Style | Description | 1-9 | 10-24 | 25-99 | 100+ |
|--------|-------|-------------|-----|-------|-------|------|
|--------|-------|-------------|-----|-------|-------|------|

900 MHz Grid Antenna

| | | | | | | |
|----------|---|----------------------------|-------|-------|-------|------|
| HG8915EG | 1 | 15 dBi, N Female Connector | 97.00 | 89.24 | 81.48 | CALL |
|----------|---|----------------------------|-------|-------|-------|------|

1.9 GHz Grid Antenna

| | | | | | | |
|-------------|---|----------------------------|-------|-------|-------|------|
| HG1922EG-NF | 1 | 22 dBi, N Female Connector | 85.00 | 78.20 | 71.40 | CALL |
|-------------|---|----------------------------|-------|-------|-------|------|

2.4 GHz Grid Antennas

| | | | | | | |
|---------|---|----------------------------|--------|--------|--------|------|
| HG2427G | 1 | 27 dBi, N Female Connector | 215.00 | 202.10 | 189.20 | CALL |
|---------|---|----------------------------|--------|--------|--------|------|

| | | | | | | |
|------------|---|--|--------|--------|--------|------|
| HG2430G | 2 | 30 dBi, 18" (45.7cm) Pigtail with N Female Connector | 528.00 | 496.32 | 464.64 | CALL |
| HG2430G-NM | 2 | 30 dBi, 18" (45.7cm) Pigtail with N Male Connector | 538.00 | 505.72 | 473.44 | CALL |

| | | | | | | |
|-----------------|---|--|--------|--------|--------|------|
| HG2415EG-NF | 1 | 15 dBi, 12" (30.5cm) Pigtail with N Female Connector | 43.00 | 39.56 | 36.12 | CALL |
| HG2415EG-NF-5PK | 1 | 15 dBi, 12" (30.5cm) Pigtail with N Female Connector, 5-Pack | 190.00 | 174.80 | 159.60 | CALL |
| HG2415EG-NM | 1 | 15 dBi, 12" (30.5cm) Pigtail with N Male Connector | 43.00 | 39.56 | 36.12 | CALL |
| HG2415EG-NM-5PK | 1 | 15 dBi, 12" (30.5cm) Pigtail with N Male Connector, 5-Pack | 190.00 | 174.80 | 159.60 | CALL |

| | | | | | | |
|-----------------|---|--|--------|--------|--------|------|
| HG2420EG-NF | 1 | 20 dBi, 12" (30.5cm) Pigtail with N Female Connector | 49.00 | 45.08 | 41.16 | CALL |
| HG2420EG-NF-5PK | 1 | 20 dBi, 12" (30.5cm) Pigtail with N Female Connector, 5-Pack | 215.00 | 197.80 | 180.60 | CALL |
| HG2420EG-NM | 1 | 20 dBi, 12" (30.5cm) Pigtail with N Male Connector | 49.00 | 45.08 | 41.16 | CALL |
| HG2420EG-NM-5PK | 1 | 20 dBi, 12" (30.5cm) Pigtail with N Male Connector, 5-Pack | 215.00 | 197.80 | 180.60 | CALL |

| | | | | | | |
|-----------------|---|--|--------|--------|--------|------|
| HG2424EG-NF | 1 | 24 dBi, 12" (30.5cm) Pigtail with N Female Connector, Lightweight Grid | 54.00 | 49.68 | 45.36 | CALL |
| HG2424EG-NF-5PK | 1 | 24 dBi, 12" (30.5cm) Pigtail with N Female Connector, Lightweight Grid, 5-Pack | 243.00 | 223.56 | 204.12 | CALL |
| HG2424EG-NM | 1 | 24 dBi, 12" (30.5cm) Pigtail with N Male Connector, Lightweight Grid | 54.00 | 49.68 | 45.36 | CALL |
| HG2424EG-NM-5PK | 1 | 24 dBi, 12" (30.5cm) Pigtail with N Male Connector, Lightweight Grid, 5-Pack | 243.00 | 223.56 | 204.12 | CALL |

3.5 GHz Grid Antenna

| | | | | | | |
|----------|---|----------------------------|--------|--------|--------|------|
| HG3527EG | 1 | 27 dBi, N Female Connector | 110.00 | 105.60 | 101.20 | CALL |
|----------|---|----------------------------|--------|--------|--------|------|

4.9-5.8 GHz Grid Antennas

| | | | | | | |
|-----------------|---|------------------------------------|--------|--------|--------|------|
| HG4958-22EG | 1 | 22 dBi, N Female Connector | 56.00 | 51.52 | 47.04 | CALL |
| HG4958-22EG-5PK | 1 | 22 dBi, N Female Connector, 5-Pack | 253.00 | 232.76 | 212.52 | CALL |

| | | | | | | |
|-----------------|---|------------------------------------|--------|--------|--------|------|
| HG4958-27EG | 1 | 27 dBi, N Female Connector | 61.00 | 56.12 | 51.24 | CALL |
| HG4958-27EG-5PK | 1 | 27 dBi, N Female Connector, 5-Pack | 280.00 | 257.60 | 235.20 | CALL |

5.8 GHz Grid Antennas

| | | | | | | |
|--------------|---|------------------------------------|--------|--------|--------|------|
| HG5822EG | 1 | 22 dBi, N Female Connector | 54.00 | 49.68 | 45.36 | CALL |
| HG5822EG-5PK | 1 | 22 dBi, N Female Connector, 5-Pack | 245.00 | 225.40 | 205.80 | CALL |

| | | | | | | |
|--------------|---|------------------------------------|--------|--------|--------|------|
| HG5827EG | 1 | 27 dBi, N Female Connector | 60.00 | 55.20 | 50.40 | CALL |
| HG5827EG-5PK | 1 | 27 dBi, N Female Connector, 5-Pack | 270.00 | 248.40 | 226.80 | CALL |

Additional connector options available at L-com.com

L-com Grid Antenna Replacement Hardware

L-com offers replacement parts for your parabolic grids. These spare part kits consist of the grid, pole mounting bracket and hardware.

| | | | | | |
|-------------|---|-------|-------|-------|------|
| HGGH-04 | 400mm Grid Replacement Hardware | 28.00 | 27.44 | 26.88 | CALL |
| HGGH-04-5PK | 400mm Grid Replacement Hardware, 5-Pack | 90.00 | 88.20 | 86.40 | CALL |

| | | | | | |
|-------------|---|--------|--------|--------|------|
| HGGH-06 | 600mm Grid Replacement Hardware | 33.00 | 32.34 | 31.68 | CALL |
| HGGH-06-5PK | 600mm Grid Replacement Hardware, 5-Pack | 110.00 | 107.80 | 105.60 | CALL |

| | | | | | |
|-------------|--|--------|--------|--------|------|
| HGGH-10 | 1000mm Grid Replacement Hardware | 47.00 | 46.06 | 45.12 | CALL |
| HGGH-10-5PK | 1000mm Grid Replacement Hardware, 5-Pack | 170.00 | 166.60 | 163.20 | CALL |

Grid Replacement Feedhorns

L-com offers replacement feedhorns for your parabolic grids. These kits consist of only the feedhorn. Includes hardware to mount feedhorn to dish. Mast mounting hardware not included.

900 MHz Grid Replacement Feedhorn

| | | | | | |
|------------|--|-------|-------|-------|------|
| HGFH-915EG | 15 dBi Parabolic Grid Replacement Feedhorn | 55.00 | 54.45 | 53.90 | CALL |
|------------|--|-------|-------|-------|------|

2.4 GHz Grid Replacement Feedhorns

| | | | | | |
|---------------|--|-------|-------|-------|------|
| HGFH-215EG-NF | 15 dBi Parabolic Grid Replacement Feedhorn | 25.00 | 24.75 | 24.50 | CALL |
| HGFH-220EG-NF | 20 dBi Parabolic Grid Replacement Feedhorn | 28.00 | 27.72 | 27.44 | CALL |
| HGFH-224EG-NF | 24 dBi Parabolic Grid Replacement Feedhorn | 30.00 | 29.70 | 29.40 | CALL |

4.9/5.8 GHz Grid Replacement Feedhorns

| | | | | | |
|------------|--|-------|-------|-------|------|
| HGFH-522EG | 22 dBi Parabolic Grid Replacement Feedhorn | 30.00 | 29.70 | 29.40 | CALL |
| HGFH-527EG | 27 dBi Parabolic Grid Replacement Feedhorn | 35.00 | 34.65 | 34.30 | CALL |

Tip How to assemble and install a Grid Antenna

Two-piece grid antenna reflectors allow easy handling, shipping, and transportation to the site. Large grid antennas come in two symmetrical sections. They are bolted together on site easily, with feed then installed. See the online video for complete instructions at L-com.com/Videos/A25.



Parabolic Dish Antennas - Superior Strength Design Ensures Durability

L-com's WiFi parabolic dish antennas feature a high quality aluminum reflector dish for superior strength. The dish is coated in a light gray UV-inhibited polymer for durability and aesthetics. These directional dish antennas can be used in point to point as well as point to multipoint applications. Built to withstand the elements, our dish antennas offer high performance at competitive prices.

When designing these WiFi parabolic dish antennas, our design team factored in requirements such as location usage and environmental extremes. From versatile mounting options to features such as perforated reflectors, these antennas were built to withstand the test of time while maintaining optimal performance.

| Item # | Style | Description | 1-9 | 10-24 | 25-99 | 100+ |
|---------|-------|---------------------------------------|-------|-------|-------|------|
| HG2414D | 3 | 14 dBi, 260mm Dia, N Female Connector | 43.00 | 39.56 | 36.12 | CALL |

2.4 GHz Dish Antenna

2.4 GHz Dual Polarized Dish Antennas

| | | | | | | |
|-----------|---|--|--------|--------|--------|------|
| HG2418DPD | 4 | 18 dBi, 400mm Dia, Dual Polarity, with (2) N Female Connectors, MIMO | 140.00 | 128.80 | 117.60 | CALL |
| HG2422DPD | 4 | 22 dBi, 600mm Dia, Dual Polarity, with (2) N Female Connectors, MIMO | 167.00 | 153.64 | 140.28 | CALL |
| HG2425DPD | 4 | 25 dBi, 900mm Dia, Dual Polarity, with (2) N Female Connectors, MIMO | 302.00 | 277.84 | 253.68 | CALL |

4.9 GHz Dish Antenna

| | | | | | | |
|-----------|---|--|--------|--------|--------|------|
| HG2418DPD | 4 | 18 dBi, 400mm Dia, Dual Polarity, with (2) N Female Connectors, MIMO | 140.00 | 128.80 | 117.60 | CALL |
| HG2422DPD | 4 | 22 dBi, 600mm Dia, Dual Polarity, with (2) N Female Connectors, MIMO | 167.00 | 153.64 | 140.28 | CALL |
| HG2425DPD | 4 | 25 dBi, 900mm Dia, Dual Polarity, with (2) N Female Connectors, MIMO | 302.00 | 277.84 | 253.68 | CALL |

4.9 - 5.8 GHz Dual Polarized Dish Antennas

Because of its superb electrical performance and mechanical stability, the parabolic dish antenna can be used in a wide variety of high performance 4.9 GHz and 5 GHz range (5.1/5.3/5.4/5.8 GHz) wireless applications. The wide band design of this antenna eliminates the need to purchase different antennas for each frequency. This simplifies installations since the same antenna can be used for a wide array of wireless applications. This antenna features 25 - 34 dBi of gain with a 4.8° horizontal beam-width and 4.9° vertical beam-width.

| | | | | | | |
|--------------|---|--|--------|--------|--------|------|
| HG4958DP-25D | 4 | 25 dBi, 400mm Dia, Dual Polarity, with (2) N Female Connectors, MIMO | 151.00 | 138.92 | 126.84 | CALL |
| HG4958DP-30D | 4 | 30 dBi, 600mm Dia, Dual Polarity, with (2) N Female Connectors, MIMO | 178.00 | 163.76 | 149.52 | CALL |
| HG4958DP-34D | 4 | 34 dBi, 900mm Dia, Dual Polarity, with (2) N Female Connectors, MIMO | 312.00 | 287.04 | 262.08 | CALL |

5.1 - 5.8 GHz Dish Antennas

| | | | | | | |
|------------|---|---------------------------------------|--------|--------|--------|------|
| HG5158-23D | 4 | 23 dBi, 400mm Dia, N Female Connector | 167.00 | 153.64 | 140.28 | CALL |
| HG5158-28D | 4 | 28 dBi, 600mm Dia, N Female Connector | 205.00 | 188.60 | 172.20 | CALL |
| HG5158-31D | 4 | 31 dBi, 900mm Dia, N Female Connector | 300.00 | 276.00 | 252.00 | CALL |

5.4 GHz Dish Antenna

| | | | | | | |
|---------|---|---------------------------------------|--------|--------|--------|------|
| HG5432D | 4 | 32 dBi, 900mm Dia, N Female Connector | 290.00 | 278.40 | 266.80 | CALL |
|---------|---|---------------------------------------|--------|--------|--------|------|

5.8 GHz Dish Antennas

| | | | | | | |
|---------|---|---------------------------------------|--------|--------|--------|------|
| HG5817D | 5 | 17 dBi, 246mm Dia, N Female Connector | 50.00 | 46.00 | 42.00 | CALL |
| HG5833D | 4 | 33 dBi, 900mm Dia, N Female Connector | 302.00 | 277.84 | 253.68 | CALL |
| HG5824D | 4 | 24 dBi, 400mm Dia, N Female Connector | 167.00 | 153.64 | 140.28 | CALL |
| HG5829D | 4 | 29 dBi, 600mm Dia, N Female Connector | 205.00 | 188.60 | 172.20 | CALL |

Radome Cover Kits

L-com radome covers are an ideal way to provide additional protection to our parabolic dish antennas. These lightweight radome kits feature fiberglass construction and UV stable gray finish. Drain holes are provided on the radome cover to help prevent moisture build-up inside the dish antenna.

| | | | | | |
|--------|-------------------------------------|-------|-------|-------|------|
| HGR-04 | Radome Cover Kit for 400mm Dia Dish | 55.00 | 53.90 | 52.80 | CALL |
| HGR-06 | Radome Cover Kit for 600mm Dia Dish | 69.00 | 67.62 | 66.24 | CALL |
| HGR-09 | Radome Cover Kit for 900mm Dia Dish | 80.00 | 78.40 | 76.80 | CALL |

Dish Antenna Replacement Hardware

L-com offers replacement parts for your parabolic dishes. These spare part kits consist of the dish, pole mounting bracket and all of the hardware.

2.4 GHz Dish Replacement Feedhorns

| | | | | | |
|-------------|--|--------|--------|--------|------|
| HGFH-218DPD | 18 dBi Dual Polarity Dish Replacement Feedhorn | 65.00 | 64.35 | 63.70 | CALL |
| HGFH-222DPD | 22 dBi Dual Polarity Dish Replacement Feedhorn | 70.00 | 69.30 | 68.60 | CALL |
| HGFH-225DPD | 25 dBi Dual Polarity Dish Replacement Feedhorn | 105.00 | 103.95 | 102.90 | CALL |

4.9/5.8 GHz Dual Polarity Replacement Dish Feedhorns

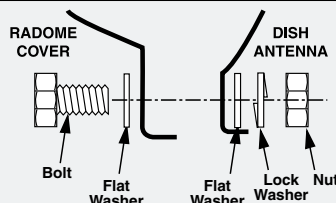
| | | | | | |
|-------------|--|--------|--------|--------|------|
| HGFH-525DPD | 25 dBi Dual Polarity Dish Replacement Feedhorn | 80.00 | 79.20 | 78.40 | CALL |
| HGFH-530DPD | 30 dBi Dual Polarity Dish Replacement Feedhorn | 90.00 | 89.10 | 88.20 | CALL |
| HGFH-534DPD | 34 dBi Dual Polarity Dish Replacement Feedhorn | 130.00 | 128.70 | 127.40 | CALL |

5.8 GHz Dish Replacement Feedhorns

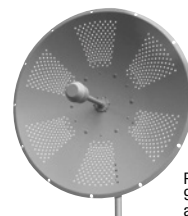
| | | | | | |
|-----------|--|--------|-------|-------|------|
| HGFH-524D | 24 dBi Parabolic Dish Replacement Feedhorn | 70.00 | 69.30 | 68.60 | CALL |
| HGFH-529D | 29 dBi Parabolic Dish Replacement Feedhorn | 80.00 | 79.20 | 78.40 | CALL |
| HGFH-533D | 33 dBi Parabolic Dish Replacement Feedhorn | 100.00 | 99.00 | 98.00 | CALL |

Tip Easily attach a radome cover

L-com's radome kits bolt directly to the dish antennas with the provided stainless steel hardware. Drilling mounting holes in the antenna is not required. The radome cover can be attached to existing antennas already mounted in the field or preassembled to the antenna before mounting.



HG2414D
STYLE
3



HG2425DPD
STYLE
4
Perforated holes in the 900mm diameter dish antennas help reduce wind loading.



HG4958DP-30D
STYLE
4

Best Seller

HG4958DP-34D
STYLE
4



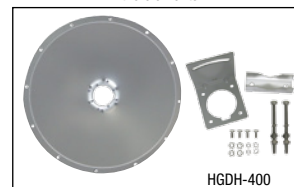
HG5158-23D
STYLE
4



HG5817D
STYLE
5



Fiberglass Cover Kits - Protects against the elements.

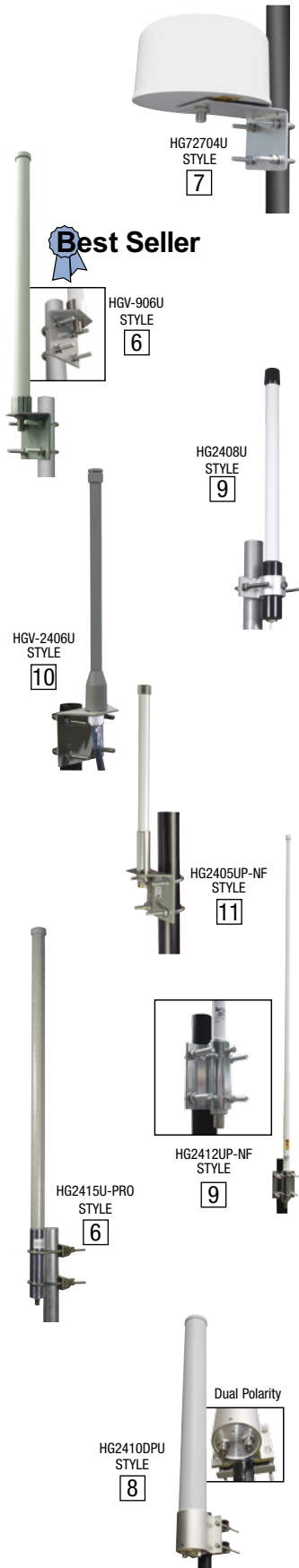


HGDH-400



HGFH-525DPD

"STYLE" refers to shape of antenna in series.



"STYLE" refers to shape of antenna in series.

| Item # | Style | Description | 1-9 | 10-24 | 25-99 | 100+ |
|--------|-------|-------------|-----|-------|-------|------|
|--------|-------|-------------|-----|-------|-------|------|

698 - 960/1710 - 2700 MHz Omni Directional DAS Antennas

L-com's Omni Directional antennas for Distributed Antenna Systems (DAS) are used to distribute Cellular and WiFi signals throughout a building or area.

| | | | | | | |
|--------------|---|---------------------------------|--------|--------|--------|------|
| HG72704U | 7 | 3/4 dBi with N Female Connector | 49.00 | 45.08 | 41.16 | CALL |
| HG72107U-PRO | 6 | 4/7 dBi with N Female Connector | 157.00 | 144.44 | 131.88 | CALL |

800 - 900 MHz Omni Directional Antennas

Our wireless 900 MHz HGV-series Omni Directional antennas are versatile and economical yet maintain high performance standards. These antennas feature a lightweight, compact, all weather operation design and include a pole mounting bracket.

| | | | | | | |
|------------|---|---------------------------|--------|--------|--------|------|
| HGV-903U | 6 | 3 dBi, N Female Connector | 60.00 | 56.40 | 52.80 | CALL |
| HGV-906U | 6 | 6 dBi, N Female Connector | 67.00 | 62.98 | 58.96 | CALL |
| HG906U-PRO | 6 | 6 dBi, N Female Connector | 103.00 | 94.76 | 86.52 | CALL |
| HG908U-PRO | 6 | 8 dBi, N Female Connector | 150.00 | 138.00 | 126.00 | CALL |

1.9 GHz Omni Directional Antenna

The HyperGain® HG1911U-PRO is a high performance Omni Directional antenna designed for the 1900 MHz band. It is ideally suited for multipoint Personal Communication Services (PCS) and 1.9 GHz cellular band applications where high gain and wide coverage is desired.

| | | | | | | |
|-------------|---|--|-------|-------|-------|------|
| HG1911U-PRO | 6 | 11 dBi, N Female Connector (available in 5-Pack) | 90.00 | 82.80 | 75.60 | CALL |
|-------------|---|--|-------|-------|-------|------|

2.4 GHz Omni Directional Antennas

L-com's 2.4 GHz Omni directional antennas are perfect for wide 360° coverage multi point applications. These robust Omni directional antennas are designed for years of outdoor use.

| | | | | | | |
|-------------|---|--|-------|-------|-------|------|
| HG2408U-NF | 9 | 8 dBi, 12" (30.5cm) Pigtail with N Female Connector | 81.00 | 74.52 | 68.04 | CALL |
| HG2408U-NM | 9 | 8 dBi, 12" (30.5cm) Pigtail with N Male Connector | 81.00 | 74.52 | 68.04 | CALL |
| HG2408U-RBP | 9 | 8 dBi, 12" (30.5cm) Pigtail with RP-BNC Plug Connector | 81.00 | 74.52 | 68.04 | CALL |
| HG2408U-RSP | 9 | 8 dBi, 12" (30.5cm) Pigtail with RP-SMA Plug Connector | 81.00 | 74.52 | 68.04 | CALL |
| HG2408U-RTP | 9 | 8 dBi, 12" (30.5cm) Pigtail with RP-TNC Plug Connector | 81.00 | 74.52 | 68.04 | CALL |

| | | | | | | |
|-----------|----|---------------------------|-------|-------|-------|------|
| HGV-2402U | 10 | 2 dBi, N Female Connector | 39.00 | 36.66 | 34.32 | CALL |
| HGV-2404U | 10 | 4 dBi, N Female Connector | 45.00 | 42.30 | 39.60 | CALL |
| HGV-2406U | 10 | 6 dBi, N Female Connector | 53.00 | 49.82 | 46.64 | CALL |
| HGV-2409U | 10 | 8 dBi, N Female Connector | 61.00 | 57.34 | 53.68 | CALL |

| | | | | | | |
|-------------|----|---------------------------|-------|-------|-------|------|
| HG2405UP-NF | 11 | 5 dBi, N Female Connector | 41.00 | 38.54 | 36.08 | CALL |
| HG2407UP-NF | 11 | 7 dBi, N Female Connector | 49.00 | 46.06 | 43.12 | CALL |
| HG2409UP-NF | 11 | 9 dBi, N Female Connector | 56.00 | 52.64 | 49.28 | CALL |
| HG2409U | 6* | 8.5 dBi, N Male Connector | 60.00 | 56.40 | 52.80 | CALL |

| | | | | | | |
|--------------|----|--|--------|--------|--------|------|
| HG2409UM-RSP | 9* | 8.5 dBi, Marine, 3ft (0.9m) Pigtail with RP-SMA Plug Connector | 135.00 | 126.90 | 118.80 | CALL |
|--------------|----|--|--------|--------|--------|------|

| | | | | | | |
|---------------|----|---|--------|--------|--------|------|
| HG2409U-PRO | 6* | 9 dBi, N Female Connector (available in 5-Pack) | 79.00 | 75.84 | 72.68 | CALL |
| HG2409UDT-PRO | 6 | 9 dBi, 7 Degree Electrical Down-Tilt, N Female Connector (available in 5-Pack) | 84.00 | 80.64 | 77.28 | CALL |
| HG2411UDT-PRO | 6 | 11 dBi, 8 Degree Electrical Down-Tilt, N Female Connector (available in 5-Pack) | 97.00 | 93.12 | 89.24 | CALL |
| HG2412U-PRO | 6 | 12 dBi, 12" (30.5cm) Pigtail w/ N Female Connector ANATEL Certified (available in 5-Pack) | 120.00 | 115.20 | 110.40 | CALL |

| | | | | | | |
|-------------|---|----------------------------|-------|-------|-------|------|
| HG2412UP-NF | 9 | 12 dBi, N Female Connector | 63.00 | 59.22 | 55.44 | CALL |
|-------------|---|----------------------------|-------|-------|-------|------|

| | | | | | | |
|-------------|---|--|--------|--------|--------|------|
| HG2415U-PRO | 6 | 15 dBi, N Female Connector (available in 5-Pack) | 133.00 | 125.02 | 117.04 | CALL |
|-------------|---|--|--------|--------|--------|------|

* Similar to this style-see online Data Sheet for details.

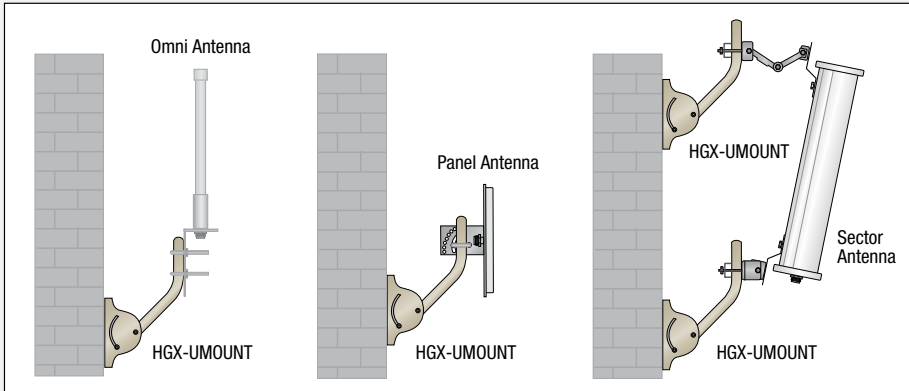
2.4 GHz Dual Polarized Omni Directional Antennas

The Wireless DPU-Series Omni Directional antennas are versatile and offer high performance standards. These antennas feature a dual polarized MIMO design, all weather operation and include integral pole mounting hardware.

| | | | | | | |
|-----------|---|--|--------|--------|--------|------|
| HG2406DPU | 8 | 6 dBi, Dual Polarity with (2) N Female Connectors, MIMO | 135.00 | 124.20 | 113.40 | CALL |
| HG2410DPU | 8 | 10 dBi, Dual Polarity with (2) N Female Connectors, MIMO | 200.00 | 184.00 | 168.00 | CALL |
| HG2413DPU | 8 | 13 dBi, Dual Polarity with (2) N Female Connectors, MIMO | 270.00 | 248.40 | 226.80 | CALL |

Tip Alternative mounting options for L-com's Sector, Panel and Omni WiFi Antennas

If it is not possible to install a WiFi antenna on a mast or pole, you can use the HGX-UMOUNT mounting bracket for side of building installations. In the diagram below two of L-com's HGX-UMOUNT brackets are connected to a HG2414SP-090 sector antenna. This mounting option will work with sector style antennas that have two (one upper and one lower) mounting point and with standard flat panel and Omni antennas using just one HGX-UMOUNT (see diagrams below).



| Item # | Style | Description | 1-9 | 10-24 | 25-99 | 100+ |
|---|-------|---|--------|--------|--------|------|
| 2.4-5.8 GHz Dual Band Omni Directional Antennas | | | | | | |
| The L-com Wireless brand of HGV-series Omni Directional antennas are versatile and economical yet maintain high performance standards. These antennas feature a lightweight, compact, all weather operation design and include a pole mounting bracket. | | | | | | |
| HG2458-06U-PRO | 13 | 6 dBi, Dual Band Omni Antenna, N Female Connector (available in 5-Pack) | 110.00 | 103.40 | 96.80 | CALL |
| HG2458-09U-PRO | 13 | 9 dBi, Dual Band Omni Antenna, N Female Connector (available in 5-Pack) | 120.00 | 112.80 | 105.60 | CALL |
| HGV-2458-03U | 15 | 3 dBi, Dual Band, N Female Connector | 41.00 | 38.54 | 36.08 | CALL |
| HGV-2458-05U | 15 | 5 dBi, Dual Band, N Female Connector | 48.00 | 45.12 | 42.24 | CALL |
| HGV-2458-07U | 15 | 7 dBi, Dual Band, N Female Connector | 56.00 | 52.64 | 49.28 | CALL |
| HG245806U-4RTP | 14 | 4/6 dBi, Dual Band, (4) RP-TNC Plug Connectors, MIMO | 135.00 | 124.20 | 113.40 | CALL |
| HG245806U-4RSP | 14 | 4/6 dBi, Dual Band, (4) RP-SMA Plug Connectors, MIMO | 135.00 | 124.20 | 113.40 | CALL |

2.4-5.8 GHz Dual Band/Dual Polarized 4x4 MIMO Omni Directional Antennas

L-com's Wireless 2.4/5 GHz DPU Series are the world's first 802.11ac 4x4 MIMO outdoor Omni Directional, dual polarized/dual frequency antenna line, which features patent-pending technology. These antennas supported MIMO types include 2x2 systems (two streams), 3x3 systems (three streams) and 4x4 systems (4 streams).

| | | | | | | |
|--------------|----|--|--------|--------|--------|------|
| HG2458-06DPU | 12 | 6 dBi, Dual Band, Dual Polarized with (4) N Female Connectors | 200.00 | 184.00 | 168.00 | CALL |
| HG2458-09DPU | 12 | 9 dBi, Dual Band, Dual Polarized with (4) N Female Connectors | 250.00 | 230.00 | 210.00 | CALL |
| HG2458-11DPU | 12 | 11 dBi, Dual Band, Dual Polarized with (4) N Female Connectors | 300.00 | 276.00 | 252.00 | CALL |

2.6 GHz Omni Directional Antenna

The HyperGain® HG2609U is a high performance Omni Directional WiFi antenna designed for the 2.6 GHz MMDS band. This compact and lightweight antenna is compatible with IEEE 802.16, 802.20 and WiMAX applications as well as NLOS applications. The HG2609U is ideal for Wireless Internet Service Providers (WISP) offering service in the less crowded 2.6 GHz band and is compatible with Navini™ Ripwave®.

| | | | | | | |
|---------|---|---------------------------|-------|-------|-------|------|
| HG2609U | * | 8.5 dBi, N Male Connector | 72.00 | 66.24 | 60.48 | CALL |
|---------|---|---------------------------|-------|-------|-------|------|

* See online Data Sheet for style details.

3.5 GHz Omni Directional Antennas

These HyperGain Antennas are professional high gain omni-directional base station WiFi antenna designed and optimized for the 3.5 GHz band. Typical applications include IEEE 802.16e, WiMAX and Mobile WiMAX applications.

| | | | | | | |
|-------------|----|------------------------------|-------|-------|-------|------|
| HG3509U-PRO | 16 | 9 dBi, N Female Connector | 97.00 | 89.24 | 81.48 | CALL |
| HG3512UP-NF | 16 | 11.5 dBi, N Female Connector | 97.00 | 91.18 | 85.36 | CALL |

4.9-5.8 GHz Omni Directional Antennas

Our product line of high quality antennas for the 4940-4990 MHz band (4.9 GHz) offer cost effective solutions designed to meet the applications of Homeland Security and the Public Safety Program in the U.S.

| | | | | | | |
|--------------|----|----------------------------|-------|-------|-------|------|
| HGV-4958-04U | 15 | 4 dBi, N Female Connector | 31.00 | 29.14 | 27.28 | CALL |
| HGV-4958-06U | 15 | 6 dBi, N Female Connector | 42.00 | 39.48 | 36.96 | CALL |
| HGV-4958-09U | 15 | 9 dBi, N Female Connector | 65.00 | 61.10 | 57.20 | CALL |
| HGV-4958-12U | 15 | 12 dBi, N Female Connector | 84.00 | 78.96 | 73.92 | CALL |

5.1-5.8 GHz Omni Directional Antennas

L-com's wireless UP-series Omni Directional antennas are versatile and economical yet maintain high performance standards. Designed for operation from 5.1 GHz to 5.8 GHz, these antennas feature an aluminum base and fiberglass all weather operation design and include a pole mounting bracket.

| | | | | | | |
|----------------|----|-----------------------------|-------|-------|-------|------|
| HG5158-06UP-NF | 17 | 6 dBi, N Female Connector | 54.00 | 49.68 | 45.36 | CALL |
| HG5158-09UP-NF | 17 | 8.5 dBi, N Female Connector | 60.00 | 55.20 | 50.40 | CALL |

5.1-5.8 GHz Dual Polarized Omni Directional Antennas

The Wireless DP series 5 GHz Omni Directional antennas combine vertical and horizontal polarization in a single enclosure. It is a professional quality antenna designed primarily for MIMO point-to-multipoint applications.

| | | | | | | |
|--------------|----|--|--------|--------|--------|------|
| HG5158DP-10U | 19 | 10 dBi, Dual Polarity with (2) N Female Connectors | 150.00 | 141.00 | 132.00 | CALL |
| HG5158DP-13U | 19 | 13 dBi, Dual Polarity with (2) N Female Connectors | 200.00 | 188.00 | 176.00 | CALL |

5.3-5.8 GHz Omni Directional Antennas

The wireless U-series 5 GHz Omni Directional antennas are versatile and economical yet maintain high performance standards. These antennas feature an aluminum base and fiberglass all weather operation design and include a pole mounting bracket.

| | | | | | | |
|-------------|----|---|--------|-------|-------|------|
| HG5310U | 18 | 5.3 GHz, 10 dBi, N Female Connector | 86.00 | 80.84 | 75.68 | CALL |
| HG5412U | 18 | 5.4 GHz, 12 dBi, N Female Connector | 97.00 | 93.12 | 89.24 | CALL |
| HG5806U-PRO | 13 | 5.8 GHz, 6 dBi, N Female Connector (available in 5-Pack) | 79.00 | 75.84 | 72.68 | CALL |
| HG5809U-PRO | 13 | 5.8 GHz, 9 dBi, N Female Connector (available in 5-Pack) | 91.00 | 87.36 | 83.72 | CALL |
| HG5808U | 18 | 5.8 GHz, 8 dBi, N Female Connector | 85.00 | 81.60 | 78.20 | CALL |
| HG5812U-PRO | 13 | 5.8 GHz, 12 dBi, N Female Connector (available in 5-Pack) | 102.00 | 97.92 | 93.84 | CALL |

5.8 GHz Omni Directional Down-Tilt Antenna

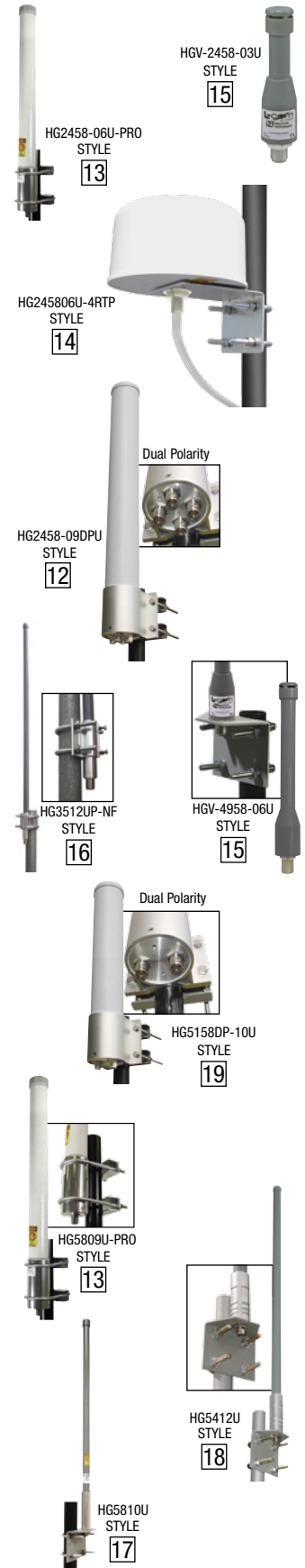
L-com's HG5811UDT-PRO is a Profession Grade Omni Directional Down-Tilt antenna that can be used for Commercial installations. The antenna features high gain and superior VSWR. The unit is optimized for the 5.8 GHz band applications. The pattern is electrically tilted downward to improve coverage from higher mounting elevations in difficult sites such as apartment complexes and similar installations.

| | | | | | | |
|---------------|----|---|-------|-------|-------|------|
| HG5811UDT-PRO | 13 | 11 dBi, 8 Degree Electrical Down-Tilt with N Female Connector | 95.00 | 91.20 | 87.40 | CALL |
|---------------|----|---|-------|-------|-------|------|

5.8 GHz Omni Directional Wireless LAN Antenna

The HG5810U is a very compact yet high performance Omni Directional WiFi antenna designed for the 5.8 GHz ISM and UNII band. It is ideally suited for multipoint and mobile applications where high gain and wide coverage is desired.

| | | | | | | |
|---------|----|--|-------|-------|-------|------|
| HG5810U | 17 | 10 dBi, Wireless LAN, N Female Connector | 96.93 | 93.06 | 89.18 | CALL |
|---------|----|--|-------|-------|-------|------|



"STYLE" refers to shape of antenna in series.



"STYLE" refers to shape of antenna in series.

| Item # | Style | Description | 1-9 | 10-24 | 25-99 | 100+ |
|---|-------|--|-------|-------|-------|------|
| L-com Embedded/Internal PCB Antennas | | | | | | |
| Our embedded/internal antennas are designed to directly integrate into devices requiring wireless capability. By embedding these antennas directly into a device, the need for external antennas is eliminated. In addition to our standard embedded antenna offerings, L-com engineering can also custom design embedded antenna solutions to meet specific customer applications. | | | | | | |
| HG902PU-UFL | | 900 MHz Embedded Omni Directional Antenna, U.FL Connector | 9.95 | 9.15 | 8.36 | CALL |
| HG2402PU-UFL | | 2.4 GHz Embedded Omni Directional Antenna, U.FL Connector | 9.95 | 9.15 | 8.36 | CALL |
| HG2458-05PU-UFL | | 2.4/5.8 GHz Dual Band Embedded Omni Directional Antenna, U.FL Connector | 13.00 | 11.96 | 10.92 | CALL |
| HG4958-05PU-UFL | | 4.9 - 5.8 GHz Embedded Omni Directional Antenna, U.FL Connector | 11.95 | 10.99 | 10.04 | CALL |
| HG72705FPU-UFL | | 700-2700 MHz, Flexible Embedded Omni Directional Antenna, U.FL Connector | 11.95 | 10.99 | 10.04 | CALL |



Mounting:

L-com's patch antennas offer several unique mounting options. They can be mounted flat against a wall, or to a mast using a pair of 2 inch U-bolts. The antennas also accept most tilt-and-swivel security camera brackets equipped with standard 1/4-20 threads.



Flush Mount:

The HG2408P-NF can be mounted flat against the wall or ceiling. Its unique design allows the cable to exit out of the side or from the back of the unit which is ideal for mounting in locations that require the cable to be hidden.

L-com Patch and Panel Antennas - Compact and Lightweight

These high performance directional patch and panel antennas are available for indoor and outdoor applications covering multiple popular frequencies. Our patch antennas are lightweight and feature aesthetic UV-stable, UL flame rated plastic radomes which can also be painted to match the room or building structure. Designed to be installed for horizontal or vertical polarization, they can be wall or ceiling mounted, as well as mast mounted using U-bolts.

Designed specifically as cost-effective solutions for today's demanding wireless applications, L-com's patch and panel antenna products offer a unique combination of superior all-weather performance, durability and aesthetics. Applications include IEEE 802.11b/g/n, 900 MHz cellular, RFID, 802.16, 802.20 and WiMAX.

These are low cost high gain antennas that come with their own enclosure space within the antenna radome. Mount your wireless card radio behind the antenna and seal the radome. All come with quick connect Cat5/6 connections. Antenna pigtail cable options are RP-SMA Plug, RP-TNC Plug, MMCX and UFL (with others available).

| Item # | Style | Description | 1-9 | 10-24 | 25-99 | 100+ |
|--|-------|--|--------|--------|--------|------|
| 700-2700 MHz DAS Panel Antenna | | | | | | |
| HG72708XWPPR-NF | 24 | 700-2700 MHz, 7.5/8.4 dBi, Cross Polarized, PIM Rated, MIMO, (2) N Female Connectors | 175.00 | 161.00 | 147.00 | CALL |
| 900 MHz Patch/Panel Antennas | | | | | | |
| HG8909P | 23 | 9 dBi, Heavy Duty Flat Panel with N Female Connector | 62.00 | 58.28 | 54.56 | CALL |
| HG908P-NF | 20 | 8 dBi, Flat Patch, 8" (20.3cm) Sq., 12" (30.5cm) Pigtail with N Female Connector | 59.00 | 54.28 | 49.56 | CALL |
| HG908P-SM | 20 | 8 dBi, Flat Patch, 8" (20.3cm) Sq., 12" (30.5cm) Pigtail with SMA Male Connector | 59.00 | 54.28 | 49.56 | CALL |
| 900 MHz Circular Polarized Patch Antennas | | | | | | |
| HG908PCL-NF | 20 | 8 dBi, Left Hand, Circular Polarized, 12" (30.5cm) Pigtail with N Female Connector | 54.00 | 51.84 | 49.68 | CALL |
| HG908PCL-NM | 20 | 8 dBi, Left Hand, Circular Polarized, 12" (30.5cm) Pigtail with N Male Connector | 54.00 | 51.84 | 49.68 | CALL |
| HG908PCL-RTP | 20 | 8 dBi, Left Hand, Circular Polarized, 12" (30.5cm) Pigtail with RP-TNC Plug Connector | 54.00 | 51.84 | 49.68 | CALL |
| HG908PCL-RSP | 20 | 8 dBi, Left Hand, Circular Polarized, 12" (30.5cm) Pigtail with RP-SMA Plug Connector | 54.00 | 51.84 | 49.68 | CALL |
| HG908PCL-SM | 20 | 8 dBi, Left Hand, Circular Polarized, 12" (30.5cm) Pigtail with SMA Male Plug Connector | 54.00 | 51.84 | 49.68 | CALL |
| HG908PCR-NF | 20 | 8 dBi, Right Hand, Circular Polarized, 12" (30.5cm) Pigtail with N Female Connector | 54.00 | 51.84 | 49.68 | CALL |
| HG908PCR-NM | 20 | 8 dBi, Right Hand, Circular Polarized, 12" (30.5cm) Pigtail with N Male Connector | 54.00 | 51.84 | 49.68 | CALL |
| HG908PCR-RTP | 20 | 8 dBi, Right Hand, Circular Polarized, 12" (30.5cm) Pigtail with RP-TNC Plug Connector | 54.00 | 51.84 | 49.68 | CALL |
| HG908PCR-RSP | 20 | 8 dBi, Right Hand, Circular Polarized, 12" (30.5cm) Pigtail with RP-SMA Plug Connector | 54.00 | 51.84 | 49.68 | CALL |
| HG908PCR-SM | 20 | 8 dBi, Right Hand, Circular Polarized, 12" (30.5cm) Pigtail with SMA Male Plug Connector | 54.00 | 51.84 | 49.68 | CALL |

1.9 GHz Patch Antennas

| | | | | | | |
|------------|----|---|-------|-------|-------|------|
| HG1908P-NF | 20 | 8 dBi, 4" (10.2cm) Sq., 12" (30.5cm) Pigtail with N Female Connector | 49.00 | 45.08 | 41.16 | CALL |
| HG1912P-NF | 20 | 12 dBi, 8" (20.3cm) Sq., 12" (30.5cm) Pigtail with N Female Connector | 60.00 | 55.20 | 50.40 | CALL |

2.4 GHz Patch/Panel Antennas

| | | | | | | |
|--------------|----|--|--------|--------|--------|------|
| HG2408P-NF | 22 | 8 dBi, 4" (10.2cm) Round, 10" (25.4cm) Pigtail with N Female Connector | 35.00 | 32.20 | 29.40 | CALL |
| HG2409PCL-NF | 20 | 8 dBi, 4" (10.2cm) Sq., LH Cir Polarized, 12" (30.5cm) Pigtail with N Female Connector | 36.00 | 33.12 | 30.24 | CALL |
| HG2409PCR-NF | 20 | 8 dBi, 4" (10.2cm) Sq., RH Cir Polarized, 12" (30.5cm) Pigtail with N Female Connector | 36.00 | 33.12 | 30.24 | CALL |
| HG2409P-NF | 20 | 8 dBi, 4" (10.2cm) Sq., 12" (30.5cm) Pigtail with N Female Connector | 35.00 | 32.20 | 29.40 | CALL |
| HG2409XP | 20 | 9 dBi, 8" (20.3cm) Sq., Cross Polarized, (2) N Female Connectors, MIMO | 49.00 | 45.08 | 41.16 | CALL |
| HG2410DP | 21 | 10 dBi, 4" (10.2cm) Sq., (2) N Female Connectors, MIMO | 36.00 | 33.12 | 30.24 | CALL |
| HG2412P | 21 | 12 dBi, 4" (10.2cm) Sq., N Female Connector | 33.00 | 30.36 | 27.72 | CALL |
| HG2414DP-3NF | 20 | 14 dBi, 12" (30.5cm) Sq., Dual Polarized, (3) N Female Connectors, MIMO | 120.00 | 110.40 | 100.80 | CALL |
| HG2414P | 20 | 14 dBi, 8" (20.3cm) Sq., N Female Connector | 43.00 | 39.56 | 36.12 | CALL |
| HG2414P-NF | 20 | 14 dBi, 8" (20.3cm) Sq., 12" (30.5cm) Pigtail with N Female Connector | 54.00 | 49.68 | 45.36 | CALL |
| HG2416DP | 20 | 16 dBi, 12" (30.5cm) Sq., Dual Polarized, (2) N Female Connectors, MIMO | 120.00 | 110.40 | 100.80 | CALL |
| HG2416P | 20 | 15.5 dBi, 8" (20.3cm) Sq., N Female Connector | 58.00 | 53.36 | 48.72 | CALL |
| HG2418P | 20 | 18 dBi, Flat Panel with N Female Connector | 67.00 | 64.32 | 61.64 | CALL |

Call for special connectors and cable lengths

| Item # | Style | Description | 1-9 | 10-24 | 25-99 | 100+ |
|--|-------|---|-------|-------|-------|------|
| 2.4 GHz Wide Angle Patch Antennas | | | | | | |
| These compact 2.4 GHz WiFi antennas provide 5 dBi Gain with broad horizontal beam width of 135 degrees. They are ideally suited for applications requiring coverage of a wide area such as an office, public hotspot, industrial or warehouse use. These antennas are lightweight and feature an aesthetic UV-stable, white ABS UL Flame Rated radome and can also be painted to match the room or building structure. The HG2405P-135 can be installed for horizontal or vertical polarization. | | | | | | |
| HG2405P-135-NF | 22* | 5 dBi, Wide Angle, 12" (30.5cm) N Female Connector | 40.00 | 36.80 | 33.60 | CALL |
| HG2405P-135-NM | 22* | 5 dBi, Wide Angle, 4ft (1.2m) N Male Connector | 40.00 | 36.80 | 33.60 | CALL |
| HG2405P-135-RSP | 22* | 5 dBi, Wide Angle, 4ft (1.2m) RP-SMA Plug Connector | 40.00 | 36.80 | 33.60 | CALL |
| HG2405P-135-RTP | 22* | 5 dBi, Wide Angle, 4ft (1.2m) RP-TNC Plug Connector | 40.00 | 36.80 | 33.60 | CALL |
| HG2405SD-135-NF | 22 | 5 dBi, Wide Angle Spatial Diversity, 12" (30.5cm) Dual N Female Connectors | 49.00 | 45.08 | 41.16 | CALL |
| HG2405SD-135-NM | 22 | 5 dBi, Wide Angle Spatial Diversity, 4ft (1.2m) Dual N Male Connectors | 49.00 | 45.08 | 41.16 | CALL |
| HG2405SD-135-RSP | 22 | 5 dBi, Wide Angle Spatial Diversity, 4ft (1.2m) Dual RP-SMA Plug Connectors | 49.00 | 45.08 | 41.16 | CALL |
| HG2405SD-135-RTP | 22 | 5 dBi, Wide Angle Spatial Diversity, 4ft (1.2m) Dual RP-TNC Plug Connectors | 49.00 | 45.08 | 41.16 | CALL |

*Similar to this antenna, but with one antenna lead.

2.4 - 5.8 GHz Wide Angle Patch Antennas

These compact 2.4 - 5.8 GHz WiFi antennas provide Dual Frequency diversity to improve connectivity and data throughput. They provide wide angle pattern to give the provider excellent area coverage from one antenna site.

| | | | | | | |
|-------------------|----|---|-------|-------|-------|------|
| HG2458-5P-135-NF | 22 | 5 dBi, Wide Angle, 12" (30.5cm) N Female Connector | 51.00 | 46.92 | 42.84 | CALL |
| HG2458-5P-135-NM | 22 | 5 dBi, Wide Angle, 4ft (1.2m) N Male Connector | 51.00 | 46.92 | 42.84 | CALL |
| HG2458-5P-135-RSP | 22 | 5 dBi, Wide Angle, 4ft (1.2m) RP-SMA Plug Connector | 51.00 | 46.92 | 42.84 | CALL |
| HG2458-5P-135-RTP | 22 | 5 dBi, Wide Angle, 4ft (1.2m) RP-TNC Plug Connector | 51.00 | 46.92 | 42.84 | CALL |

2.4 - 5.8 GHz Panel Antennas

| | | | | | | |
|-------------------|----|---|--------|--------|--------|------|
| HG2458-08DP-4NF | 20 | 8 dBi, 8" (20.3cm) Sq., Dual Polarized, (4) N Female Connectors, MIMO | 250.00 | 230.00 | 210.00 | CALL |
| HG245808DP-4RTP36 | 20 | 8 dBi, 8" (20.3cm) Sq., Dual Polarized, 36" Pigtailed, (4) RP-TNC Plug Connectors, MIMO | 225.00 | 207.00 | 189.00 | CALL |
| HG2458-09P | 20 | 9 dBi, 8" (20.3cm) Sq., N Female Connector | 84.00 | 77.28 | 70.56 | CALL |

| | | | | | | |
|-----------------|----|--|--------|--------|--------|------|
| HG2458-10DP | 21 | 10 dBi, 8" (20.3cm) Sq., Dual Polarized, (2) N Female Connectors, MIMO | 42.00 | 38.64 | 35.28 | CALL |
| HG2458-11XP | 20 | 8/11 dBi, 8" (20.3cm) Sq., Dual Polarized, (2) N Female Connectors, MIMO | 50.00 | 46.00 | 42.00 | CALL |
| HG2458-11P | 20 | 9/11 dBi, 8" (20.3cm) Sq., N Female Connector | 65.00 | 59.80 | 54.60 | CALL |
| HG2458-20P | 20 | 20 dBi, 12" (30.5cm) Sq., N Female Connector | 150.00 | 141.00 | 132.00 | CALL |
| HG2458-10DP-6NF | 20 | 10 dBi, 12" (30.5cm) Sq., Dual Polarized, (6) N Female Connectors, MIMO | 162.00 | 149.04 | 136.08 | CALL |
| HG2458-14DP-3NF | 20 | 14 dBi, 12" (30.5cm) Sq., Dual Polarized, (3) N Female Connectors, MIMO | 150.00 | 138.00 | 126.00 | CALL |
| HG2458-14DP-4NF | 20 | 14 dBi, 12" (30.5cm) Sq., Dual Polarized, (4) N Female Connectors, MIMO | 160.00 | 147.20 | 134.40 | CALL |

2.4 - 5.8 GHz High Density Panel Antenna

The L-com HG2458-13HDP-4NF High Density Flat Panel Antenna combines four dual band antennas in a single housing. The unit consists of two vertically and two horizontally polarized multi-patch antennas. It is a professional quality antenna designed primarily for MIMO point-to-multipoint and point-to-point applications in the 2.4 GHz and the 4.9-5.8 GHz frequency bands. The unit can be used with APs and Routers with one to four antenna ports.

| | | | | | | |
|------------------|----|---|--------|--------|--------|------|
| HG2458-13HDP-4NF | 20 | 11/13 dBi, 12" (30.5cm) Sq., High Density/Dual Polarized, (4) N Female Connectors, MIMO | 220.00 | 202.40 | 184.80 | CALL |
|------------------|----|---|--------|--------|--------|------|

2.6 GHz Patch Antenna

| | | | | | | |
|------------|----|---|-------|-------|-------|------|
| HG2614P-NF | 20 | 14 dBi, 8" (20.3cm) Sq., 12" (30.5cm) Pigtail with N Female Connector | 54.00 | 49.68 | 45.36 | CALL |
|------------|----|---|-------|-------|-------|------|

4.9 - 5.8 GHz Dual Polarized Panel Antennas

The L-com's Flat Panel Antennas combine vertical and horizontal polarization with high gain over multiple frequencies in a single enclosure. It is a professional quality antenna designed primarily for MIMO point-to-multipoint and point-to-point applications in the 4.9 GHz and 5.8 GHz frequency.

| | | | | | | |
|-----------------|----|--|--------|--------|--------|------|
| HG4958-17DP-3NF | 20 | 17 dBi, 4.9/5.8 GHz, Dual Polarized Panel with (3) N Female Connectors | 150.00 | 138.00 | 126.00 | CALL |
| HG4958-19DP | 20 | 19 dBi, 4.9/5.8 GHz, Dual Polarized Panel with (2) N Female Connectors | 102.00 | 93.84 | 85.68 | CALL |

3.5 GHz, 4.9 GHz, 5.3 GHz, 5.4 GHz, 5.8 GHz and 4.9 - 5.8 GHz Patch/Panel Antennas

L-com's extensive line of patch antennas that cover frequencies from 3.5 to 5.8 GHz are ideal for applications such as WiMAX and public safety. Several of the patch antennas are broadband/multi-band antennas that eliminate the need to purchase different antennas for each frequency being used. This simplifies installations since the same antenna can be used for a wide array of wireless applications.

3.5 GHz Patch/Panel Antennas

| | | | | | | |
|----------|----|---|--------|--------|--------|------|
| HG3516DP | 20 | 16 dBi, Dual Polarized Panel Antenna with (2) N Female Connectors | 152.00 | 139.84 | 127.68 | CALL |
|----------|----|---|--------|--------|--------|------|

4.9 GHz Patch Antennas

| | | | | | | |
|---------|----|---|-------|-------|-------|------|
| HG4953P | 20 | 8 dBi, 4" (10.2cm) Sq., Broadband, SMA Male Connector | 60.00 | 55.20 | 50.40 | CALL |
| HG4911P | 20 | 11 dBi, 4" (10.2cm) Sq., SMA Female Connector | 60.00 | 55.20 | 50.40 | CALL |

5.3 GHz Patch Antenna

| | | | | | | |
|---------|----|---|-------|-------|-------|------|
| HG5311P | 20 | 11 dBi, 4" (10.2cm) Sq., SMA Female Connector | 60.00 | 56.40 | 52.80 | CALL |
|---------|----|---|-------|-------|-------|------|

5.4 GHz Patch/Panel Antennas

| | | | | | | |
|---------|----|--|-------|-------|-------|------|
| HG5411P | 20 | 11 dBi, Flat Patch, 4" (10.2cm) Sq., SMA Female Connector | 60.00 | 56.40 | 52.80 | CALL |
| HG5419P | 20 | 19 dBi, Broadband Panel, 7" (17.8cm) Sq., N Female Connector | 60.00 | 57.60 | 55.20 | CALL |

5.8 GHz Patch Antennas

| | | | | | | |
|---------|----|---|-------|-------|-------|------|
| HG5811P | 20 | 11 dBi, 4" (10.2cm) Sq., SMA Female Connector | 60.00 | 55.20 | 50.40 | CALL |
| HG5819P | 20 | 19 dBi, 7" (17.8cm) Sq., N Female Connector | 60.00 | 55.20 | 50.40 | CALL |
| HG5158P | 20 | 8 dBi, 4" (10.2cm) Sq., Broadband, SMA Female Connector | 60.00 | 56.40 | 52.80 | CALL |

4.9 - 5.8 GHz Broadband Patch Antennas

| | | | | | | |
|--------------|----|---|--------|-------|-------|------|
| HG4958-23P | 20 | 23 dBi, 12" (30.5cm) Sq., Broadband, N Female Connector | 100.00 | 92.00 | 84.00 | CALL |
| HG4958-07PCL | 20 | 7 dBi, Left Hand Circular Polarized Flat Patch Antenna, SMA Female Connector | 75.00 | 69.00 | 63.00 | CALL |
| HG4958-07PCR | 20 | 7 dBi, Right Hand Circular Polarized Flat Patch Antenna, SMA Female Connector | 75.00 | 69.00 | 63.00 | CALL |



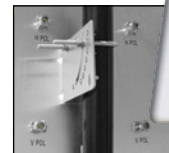
HG2458-10DP
STYLE
21



HG2458-08DP-4NF
STYLE
20



HG245808DP-4RTP36
STYLE
20



HG2458-13HDP-4NF
STYLE
20



HG3516DP
STYLE
20

HG5811P
STYLE
20



HG4958-23P
STYLE
20



"STYLE" refers to shape of antenna in series.

Call for special connectors and cable lengths



"STYLE" refers to shape of antenna in series.

| Item # | Style | Description | 1-9 | 10-24 | 25-99 | 100+ |
|--------|-------|-------------|-----|-------|-------|------|
|--------|-------|-------------|-----|-------|-------|------|

900 MHz, 900 MHz - 2.4 GHz, 1.9 GHz, 2.4 GHz, 2.4 - 5.8 GHz and 3.5 GHz Rubber Duck Antennas

These high performance Omni Directional rubber duck antennas provide broad coverage and multiple gain options. L-com's flexible rubber duck antennas feature tilt-and-swivel connectors allowing them to be used vertically, at a right angle, or any angle in-between. Suitable as a replacement RF antenna for radios, wireless video transmitters and receivers, as well as digital spread spectrum radios.

900 MHz Rubber Duck Antennas

| | | | | | | |
|-------------|----|--|-------|-------|-------|------|
| HG903RD-RSP | 26 | 3 dBi, Tilt/Swivel RP-SMA Plug Connector | 13.00 | 11.96 | 10.92 | CALL |
| HG903RD-SM | 26 | 3 dBi, Tilt/Swivel SMA Male Connector | 13.00 | 11.96 | 10.92 | CALL |
| HG905RD-RSP | 26 | 5 dBi, Tilt/Swivel RP-SMA Plug Connector | 25.00 | 23.00 | 21.00 | CALL |
| HG905RD-SM | 26 | 5 dBi, Tilt/Swivel SMA Male Connector | 25.00 | 23.00 | 21.00 | CALL |

| | | | | | | |
|--------------|----|------------------------------------|-------|-------|-------|------|
| HG905RDR-RSP | 25 | 5 dBi, Rigid RP-SMA Plug Connector | 25.00 | 23.00 | 21.00 | CALL |
|--------------|----|------------------------------------|-------|-------|-------|------|

900 MHz - 2.4 GHz Tri Band/Quad Band WiFi Antennas

| | | | | | | |
|---------------|----|---|-------|-------|-------|------|
| HG924-2TP-RSP | 31 | 2 dBi, QUAD Band/WiFi 2.4 GHz Patch, with RP-SMA Plug Connector | 19.00 | 17.86 | 16.72 | CALL |
|---------------|----|---|-------|-------|-------|------|

1.9 GHz Rubber Duck Antenna

| | | | | | | |
|-----------------|----|---|-------|-------|------|------|
| HG2400RDR-RSP | 32 | 0 dBi, Stubby Rigid RP-SMA Plug Connector | 10.00 | 9.20 | 8.40 | CALL |
| HG2400RDR90-RSP | 32 | 0 dBi, Stubby Rigid 90° RP-SMA Plug Connector | 11.00 | 10.12 | 9.24 | CALL |

| | | | | | | |
|--------------|----|--|------|------|------|------|
| HG2402RD-RSF | 26 | 2 dBi, Tilt/Swivel RP-SMA Plug Connector | 7.50 | 6.90 | 6.30 | CALL |
|--------------|----|--|------|------|------|------|

| | | | | | | |
|---------------|----|------------------------------------|------|------|------|------|
| HG2402RDR-RSP | 25 | 2 dBi, Rigid RP-SMA Plug Connector | 8.00 | 7.36 | 6.72 | CALL |
|---------------|----|------------------------------------|------|------|------|------|

| | | | | | | |
|--------------|----|--|-------|-------|-------|------|
| HG2403RD-NM | 26 | 3 dBi, Tilt/Swivel N Male Connector | 10.00 | 9.20 | 8.40 | CALL |
| HG2403RD-RSF | 26 | 3 dBi, Tilt/Swivel RP-SMA Plug Connector | 10.00 | 9.20 | 8.40 | CALL |
| HG2403RD-RTF | 26 | 3 dBi, Tilt/Swivel RP-TNC Plug Connector | 10.00 | 9.20 | 8.40 | CALL |
| HG2403RD-SM | 26 | 3 dBi, Tilt/Swivel SMA Male Connector | 10.00 | 9.20 | 8.40 | CALL |
| HG2405RD-NM | 26 | 5 dBi, Tilt/Swivel N Male Connector | 18.50 | 17.02 | 15.54 | CALL |
| HG2405RD-RSP | 26 | 5 dBi, Tilt/Swivel RP-SMA Connector | 12.00 | 11.04 | 10.08 | CALL |
| HG2405RD-RTP | 26 | 5 dBi, Tilt/Swivel RP-TNC Connector | 12.00 | 11.04 | 10.08 | CALL |
| HG2407RD-NM | 26 | 7 dBi, Tilt/Swivel N Male Connector | 19.00 | 17.48 | 15.96 | CALL |
| HG2407RD-RSP | 26 | 7 dBi, Tilt/Swivel RP-SMA Plug Connector | 17.00 | 15.64 | 14.28 | CALL |
| HG2407RD-RTP | 26 | 7 dBi, Tilt/Swivel RP-TNC Plug Connector | 17.00 | 15.64 | 14.28 | CALL |
| HG2407RD-SM | 26 | 7 dBi, Tilt/Swivel SMA Male Connector | 17.00 | 15.64 | 14.28 | CALL |
| HG2409RD-NM | 26 | 9 dBi, Tilt/Swivel N Male Connector | 28.00 | 25.76 | 23.52 | CALL |
| HG2409RD-RSP | 26 | 9 dBi, Tilt/Swivel RP-SMA Plug Connector | 25.00 | 23.00 | 21.00 | CALL |
| HG2409RD-RTP | 26 | 9 dBi, Tilt/Swivel RP-TNC Plug Connector | 25.00 | 23.00 | 21.00 | CALL |
| HG2409RD-SM | 26 | 9 dBi, Tilt/Swivel SMA Male Connector | 25.00 | 23.00 | 21.00 | CALL |

2.4 - 5.8 GHz Multi-Band Rubber Duck Antennas

| | | | | | | |
|----------------|----|--|-------|-------|-------|------|
| HG2458-5RD-RSP | 33 | 3/5 dBi, Tilt/Swivel RP-SMA Plug Connector | 21.00 | 19.32 | 17.64 | CALL |
|----------------|----|--|-------|-------|-------|------|

| | | | | | | |
|--------------|----|--|-------|-------|-------|------|
| HG2458RD-RSP | 26 | 3 dBi, Tilt/Swivel RP-SMA Plug Connector | 16.50 | 15.51 | 14.52 | CALL |
| HG2458RD-RTP | 26 | 3 dBi, Tilt/Swivel RP-TNC Plug Connector | 16.50 | 15.51 | 14.52 | CALL |
| HG2458RD-SM | 26 | 3 dBi, Tilt/Swivel SMA Male Connector | 16.50 | 15.51 | 14.52 | CALL |
| HG2458RD-TM | 26 | 3 dBi, Tilt/Swivel TNC Male Connector | 16.50 | 15.51 | 14.52 | CALL |

3.5 GHz Rubber Duck Antenna

| | | | | | | |
|--------------|----|--|-------|-------|-------|------|
| HG3505RD-RSP | 26 | 5 dBi, Tilt/Swivel RP-SMA Plug Connector | 18.50 | 17.02 | 15.54 | CALL |
|--------------|----|--|-------|-------|-------|------|

1.9 GHz, 2.4 GHz, 2.4/5.8 GHz Rubber Duck Desktop Mobile Antennas

L-com's Omni Directional rubber duck wireless LAN antennas provide broad coverage and 3-9 dBi gain. These magnetic mount antennas feature a coaxial sleeve design with an Omni Directional pattern. These antennas were designed for IEEE 802.11b/g/n wireless LANs and 1.9 GHz cellular PCS radio applications. Mobile applications for these antennas include service vehicles, public transportation, mining vehicles, as well as numerous other commercial and industrial applications where mobility is required. The magnetic base is suitable for affixing to vehicles or other metal surfaces as well as sitting on a tabletop or shelf.

1.9 GHz Rubber Duck Antennas with Magnetic Mount

| | | | | | | |
|----------------|----|---|-------|-------|-------|------|
| HG1903MGRD-SM | 28 | 3 dBi, 5ft (1.5m) Cable with SMA Male Connector | 24.00 | 23.04 | 22.08 | CALL |
| HG1903MGRD-SNP | 28 | 3 dBi, 5ft (1.5m) Cable with SMA Nano Connector | 24.00 | 23.04 | 22.08 | CALL |

2.4 GHz Rubber Duck Antennas with Magnetic Mount

| | | | | | | |
|----------------|----|--|-------|-------|-------|------|
| HG2407MGRD-RSP | 29 | 7 dBi, 5ft (1.5m) Cable with RP-SMA Plug Connector | 25.00 | 23.50 | 22.00 | CALL |
| HG2407MGRD-RTP | 29 | 7 dBi, 5ft (1.5m) Cable with RP-TNC Plug Connector | 25.00 | 23.50 | 22.00 | CALL |
| HG2409MGRD-RSP | 29 | 9 dBi, 5ft (1.5m) Cable with RP-SMA Plug Connector | 31.00 | 29.14 | 27.28 | CALL |
| HG2409MGRD-RTP | 29 | 9 dBi, 5ft (1.5m) Cable with RP-TNC Plug Connector | 31.00 | 29.14 | 27.28 | CALL |

2.4/5.8 GHz Multi-Band Rubber Duck Antennas with Magnetic Mount

| | | | | | | |
|----------------|----|--|-------|-------|-------|------|
| HG2458MGRD-RSP | 30 | 3/5 dBi, 5ft (1.5m) Cable with RP-SMA Plug Connector | 30.00 | 28.20 | 26.40 | CALL |
| HG2458MGRD-RTP | 30 | 3/5 dBi, 5ft (1.5m) Cable with RP-TNC Plug Connector | 30.00 | 28.20 | 26.40 | CALL |

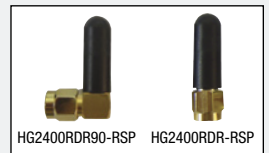
| | | | | | | |
|----------------|----|--|-------|-------|-------|------|
| HG2458-7RDR-NM | 27 | 7 dBi, Rigid Rubber Duck with N Male Connector | 27.00 | 24.84 | 22.68 | CALL |
|----------------|----|--|-------|-------|-------|------|

698-2700 MHz Cellular (LTE)/WiFi Multi-Band Rubber Duck Antenna

| | | | | | | |
|---------------|----|--|-------|-------|-------|------|
| HG72703RDR-NM | 27 | 3 dBi, Rigid Rubber Duck with N Male Connector | 26.95 | 24.79 | 22.64 | CALL |
|---------------|----|--|-------|-------|-------|------|

Tip Rubber Duck Antennas

Rubber Duck antennas usually come with an articulated "Swivel" joint, permitting the antenna base to pivot 90°. The antenna can also be ordered with a "Rigid" connector base, when the swivel is not required or needed. These antennas are numbered with an "RDR" suffix after the basic part number. The base can also have a "Rigid 90°" connector base which carries the "RDR90" suffix. If your application requires these options, please inquire about special orders at reasonable pricing.



| Item # | Style | Description | 1-9 | 10-24 | 25-99 | 100+ |
|--------|-------|-------------|-----|-------|-------|------|
|--------|-------|-------------|-----|-------|-------|------|

Sectorial Omni Directional Antennas

L-com's sector antennas are designed for Cell Site installations and include a variety of gain, frequency and radiation patterns. These WiFi antennas feature our unique heavy-duty mounting systems that allow installation from level to over 20° down-tilt. These 120° arrays are available supporting a wide range of applications. These antennas feature stainless steel construction for all-weather operation.

2.4 GHz Sectorial Antenna Arrays

| | | | | | | |
|--------------|----|--|---------|---------|---------|------|
| HK2414-120 | 34 | 14 dBi, Multi-Feed, Includes (3) 120° Antenna with Mounting Array | 600.00 | 564.00 | 528.00 | CALL |
| HK2414-120NF | 34 | 14 dBi, Single-Feed, Includes (3) 120° Antenna with Mounting Array, Splitter, 3 Cables | 750.00 | 705.00 | 660.00 | CALL |
| HK2417-120 | 34 | 17 dBi, Multi-Feed, Includes (3) 120° Antenna with Mounting Array | 690.00 | 648.60 | 607.20 | CALL |
| HK2417-120NF | 34 | 17 dBi, Single-Feed, Includes (3) 120° Antenna with Mounting Array, Splitter, 3 Cables | 840.00 | 789.60 | 739.20 | CALL |
| HK2420-120 | 34 | 20 dBi, Multi-Feed, Includes (3) 120° Antenna with Mounting Array | 1465.00 | 1377.10 | 1289.20 | CALL |
| HK2420-120NF | 34 | 20 dBi, Single-Feed, Includes (3) 120° Antenna with Mounting Array, Splitter, 3 Cables | 1615.00 | 1518.10 | 1421.20 | CALL |

Sectorial Panel Antennas

L-com's sectorial panel antennas are available in multiple frequencies, gain and 65-180°. They can be used stand alone or in circular groups to maximize coverage and feature heavy-duty plastic radome for all-weather operation, with mounting systems that adjust to pinpoint direction.

698 - 960/1710 - 2700 Sector DAS Antennas

| | | | | | | |
|---------------|----|--|--------|--------|--------|------|
| HG72710XP-065 | 37 | 10 dBi, 65°, 1710-2700 MHz, Cross Polarized, (2) N Female Connectors, MIMO | 215.00 | 197.80 | 180.60 | CALL |
| HG72712P-120 | 35 | 12 dBi, 120°, 1710-2700 MHz, N Female Connector | 323.00 | 297.16 | 271.32 | CALL |
| HG72714P-090 | 35 | 13 dBi, 90°, 1710-2700 MHz, N Female Connector | 329.00 | 302.68 | 276.36 | CALL |

900 MHz Sectorial Panel Antennas

| | | | | | | |
|--------------|----|--|--------|--------|--------|------|
| HG913P-120 | 35 | 13 dBi, 120°, N Female Connector | 302.00 | 277.84 | 253.68 | CALL |
| HG913HSP-120 | 35 | 13 dBi, 120°, Horizontal Polarized, N Female Connector | 255.00 | 239.70 | 224.40 | CALL |

2.4 GHz Sectorial Panel Antennas

| | | | | | | |
|---------------|----|--|--------|--------|--------|------|
| HG2412P-180 | 35 | 12 dBi, 180°, Sector Panel Antenna, N Female Connector | 180.00 | 165.60 | 151.20 | CALL |
| HG2412SXP-120 | 37 | 12 dBi, 120°, Spatial Diversity/Cross Polarized, (4) N Female Connectors, MIMO | 375.00 | 345.00 | 315.00 | CALL |
| HG2414SP-120 | 35 | 14 dBi, 120°, N Female Connector | 181.00 | 166.52 | 152.04 | CALL |
| HG2415P-180 | 36 | 15 dBi, 180°, N Female Connector | 340.00 | 312.80 | 285.60 | CALL |
| HG2416SXP-090 | 37 | 16 dBi, 90°, Spatial Diversity/Cross Polarized, (4) N Female Connectors, MIMO | 410.00 | 377.20 | 344.40 | CALL |
| HG2417P-120 | 35 | 17 dBi, 120°, N Female Connector | 205.00 | 188.60 | 172.20 | CALL |
| HG2420P-120 | 35 | 20 dBi, 120°, N Female Connector | 430.00 | 395.60 | 361.20 | CALL |

90 degree versions are available for most Sectorial Panel Antennas. Call your customer service representative for information.

3.5 GHz Sectorial Panel Antenna

| | | | | | | |
|--------------|----|--|--------|--------|--------|------|
| HG3517DP-090 | 35 | 17 dBi, 90°, Dual Polarized, (2) N Female Connectors, MIMO | 325.00 | 299.00 | 273.00 | CALL |
|--------------|----|--|--------|--------|--------|------|

5 GHz Sectorial Cross Polarized Antenna

| | | | | | | |
|-----------------|----|--|--------|--------|--------|------|
| HG5158-16XP-090 | 35 | 16 dBi, 90°, Cross Polarized, Dual Polarity, (2) N Female Connectors, MIMO | 135.00 | 124.20 | 113.40 | CALL |
|-----------------|----|--|--------|--------|--------|------|

5 GHz Spatial Diversity Cross Polarized Antenna

| | | | | | | |
|---------------|----|---|--------|--------|--------|------|
| HG5816SXP-090 | 37 | 16 dBi, 90°, Cross Polarized, Spatial Diversity (4) N Female Connectors, MIMO | 430.00 | 395.60 | 361.20 | CALL |
|---------------|----|---|--------|--------|--------|------|

5.4 GHz Sectorial Panel Antenna

| | | | | | | |
|-------------|----|---------------------------------|--------|--------|--------|------|
| HG5417P-090 | 35 | 17 dBi, 90°, N Female Connector | 183.15 | 175.82 | 168.49 | CALL |
|-------------|----|---------------------------------|--------|--------|--------|------|

5.8 GHz Sectorial Panel Antennas

| | | | | | | |
|-------------|----|---|--------|--------|--------|------|
| HG5814P-120 | 35 | 14 dBi, 120°, Integral N Female Connector | 175.00 | 161.00 | 147.00 | CALL |
| HG5817P-090 | 35 | 17 dBi, 90°, N Female Connector | 180.00 | 165.60 | 151.20 | CALL |

2.4/4.9 - 5.8 GHz Dual Feed/Dual Band Sectorial Panel Antennas

| | | | | | | |
|----------------|----|---|--------|--------|--------|------|
| HG2458-13P-180 | 35 | 13 dBi, 180°, (2) N Female Connectors, MIMO | 375.00 | 345.00 | 315.00 | CALL |
| HG2458-14P-090 | 35 | 14 dBi, 90°, (2) N Female Connectors, MIMO | 225.00 | 207.00 | 189.00 | CALL |

4.9 - 5.8 GHz Dual Feed/Dual Polarity Sectorial Panel Antennas

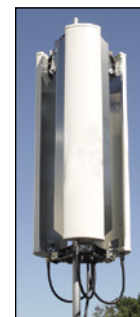
| | | | | | | |
|-----------------|----|---|--------|--------|--------|------|
| HG5813DP-180 | 35 | 13 dBi, 180°, (2) N Female Connectors, MIMO | 390.00 | 358.80 | 327.60 | CALL |
| HG4958-17DP-090 | 35 | 17 dBi, 90°, (2) N Female Connectors, MIMO | 120.00 | 115.20 | 110.40 | CALL |

5.1 - 5.8 GHz Dual Polarity Sectorial Panel Antenna

| | | | | | | |
|-----------------|----|--|--------|--------|--------|------|
| HG5158-19DP-090 | 35 | 19 dBi, 90°, (2) N Female Connectors, MIMO | 185.00 | 177.60 | 170.20 | CALL |
|-----------------|----|--|--------|--------|--------|------|



HK2414-120
STYLE
34



HK2417-120
STYLE
34



HG72710XP-065
STYLE
37



HG72712P-120
STYLE
35



HG2412SXP-120
STYLE
37



HG5158-16XP-090
STYLE
35



HG2415P-180
STYLE
36

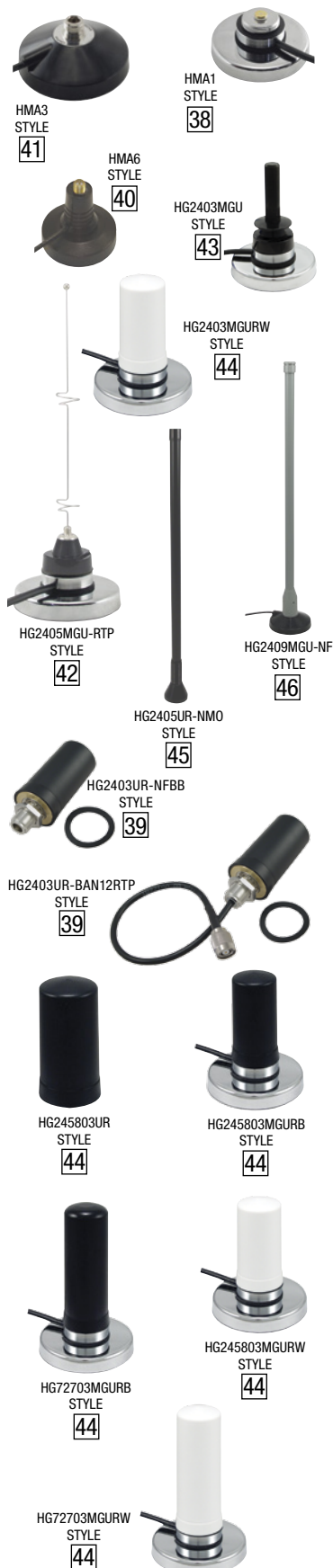


HG5816SXP-090
STYLE
37



HG2458-13P-180
STYLE
35

"STYLE" refers to shape of antenna in series.



| Item # | Style | Description | 1-9 | 10-24 | 25-99 | 100+ |
|--------|-------|-------------|-----|-------|-------|------|
|--------|-------|-------------|-----|-------|-------|------|

2.4 GHz Mobile Mount Antennas - Built for Demanding Mobile Applications

Our extensive line of magnetic mount and mast mount mobile Omni Directional antennas are perfect for demanding mobile applications including law enforcement, construction vehicles, and mobile metering. Several styles are offered with many frequency and gain choices supporting IEEE 802.11b/g/n.

- All weather construction
- IEEE 802.11b/g/n
- Bluetooth® and WiFi
- Magnetic and mast mount options
- RoHS compliant

Magnetic Mobile Mounts

| | | | | | | |
|-------------|----|--|-------|-------|-------|------|
| HMA1-NFA10 | 38 | NMO to N Female, 10ft (3.0m) 195-Series | 26.00 | 23.92 | 21.84 | CALL |
| HMA1-NMA10 | 38 | NMO to N Male, 10ft (3.0m) 195-Series | 26.00 | 23.92 | 21.84 | CALL |
| HMA1-RSPA10 | 38 | NMO to RP-SMA Plug, 10ft (3.0m) 195-Series | 26.00 | 23.92 | 21.84 | CALL |
| HMA1-RTPA10 | 38 | NMO to RP-TNC Plug, 10ft (3.0m) 195-Series | 26.00 | 23.92 | 21.84 | CALL |

| | | | | | | |
|-------------|----|---|-------|-------|-------|------|
| HMA3-NFA10 | 41 | N Female to N Female, 10ft (3.0m) 195-Series | 31.00 | 28.52 | 26.04 | CALL |
| HMA3-NMA10 | 41 | N Female to N Male, 10ft (3.0m) 195-Series | 31.00 | 28.52 | 26.04 | CALL |
| HMA3-RSPA10 | 41 | N Female to RP-SMA Plug, 10ft (3.0m) 195-Series | 31.00 | 28.52 | 26.04 | CALL |
| HMA3-RTPA10 | 41 | N Female to RP-TNC Plug, 10ft (3.0m) 195-Series | 31.00 | 28.52 | 26.04 | CALL |

| | | | | | | |
|------------|----|--|-------|-------|-------|------|
| HMA6-RSP05 | 40 | RP-SMA Jack to RP-SMA Plug, 5ft (1.5m) 100-Series | 21.00 | 19.32 | 17.64 | CALL |
| HMA6-RSP10 | 40 | RP-SMA Jack to RP-SMA Plug, 10ft (3.0m) 100-Series | 31.00 | 27.90 | 24.80 | CALL |
| HMA6-RTP05 | 40 | RP-SMA Jack to RP-TNC Plug, 5ft (1.5m) 100-Series | 21.00 | 18.90 | 16.80 | CALL |
| HMA6-RTP10 | 40 | RP-SMA Jack to RP-TNC Plug, 10ft (3.0m) 100-Series | 31.00 | 27.90 | 24.80 | CALL |

2.4 GHz Antennas with Magnetic Mobile Mounts

| | | | | | | |
|---------------|----|--|-------|-------|-------|------|
| HG2403MGU-NM | 43 | 3 dBi, Dual Band, 10ft (3.0m) Cable with N Male Connector | 56.25 | 51.75 | 47.25 | CALL |
| HG2403MGU-RSP | 43 | 3 dBi, Dual Band, 10ft (3.0m) Cable with RP-SMA Plug Connector | 56.25 | 51.75 | 47.25 | CALL |
| HG2403MGU-RTP | 43 | 3 dBi, Dual Band, 10ft (3.0m) Cable with RP-TNC Plug Connector | 56.25 | 51.75 | 47.25 | CALL |

| | | | | | | |
|-----------------|----|---|-------|-------|-------|------|
| HG2403MGURW-NM | 44 | 3 dBi, White Radome, 10ft (3.0m) Cable with N Male Connector | 54.00 | 49.68 | 45.36 | CALL |
| HG2403MGURW-RSP | 44 | 3 dBi, White Radome, 10ft (3.0m) Cable with RP-SMA Plug Connector | 54.00 | 49.68 | 45.36 | CALL |
| HG2403MGURW-RTP | 44 | 3 dBi, White Radome, 10ft (3.0m) Cable with RP-TNC Plug Connector | 54.00 | 49.68 | 45.36 | CALL |
| HG2403MGURB-NM | 44 | 3 dBi, Black Radome, 10ft (3.0m) Cable with N Male Connector | 54.00 | 49.68 | 45.36 | CALL |
| HG2403MGURB-RSP | 44 | 3 dBi, Black Radome, 10ft (3.0m) Cable with RP-SMA Plug Connector | 54.00 | 49.68 | 45.36 | CALL |
| HG2403MGURB-RTP | 44 | 3 dBi, Black Radome, 10ft (3.0m) Cable with RP-TNC Plug Connector | 54.00 | 49.68 | 45.36 | CALL |

| | | | | | | |
|---------------|----|---|-------|-------|-------|------|
| HG2405MGU-NM | 42 | 5 dBi, 10ft (3.0m) Cable with N Male Connector | 45.50 | 42.77 | 40.04 | CALL |
| HG2405MGU-RSP | 42 | 5 dBi, 10ft (3.0m) Cable with RP-SMA Plug Connector | 45.50 | 42.77 | 40.04 | CALL |
| HG2405MGU-RTP | 42 | 5 dBi, 10ft (3.0m) Cable with RP-TNC Plug Connector | 45.50 | 42.77 | 40.04 | CALL |

| | | | | | | |
|---------------|----|---|-------|-------|-------|------|
| HG2409MGU-NF | 46 | 8.5 dBi, 10ft (3.0m) Cable with N Female Connector | 84.00 | 78.96 | 73.92 | CALL |
| HG2409MGU-NM | 46 | 8.5 dBi, 10ft (3.0m) Cable with N Male Connector | 84.00 | 78.96 | 73.92 | CALL |
| HG2409MGU-RSP | 46 | 8.5 dBi, 10ft (3.0m) Cable with RP-SMA Plug Connector | 84.00 | 78.96 | 73.92 | CALL |

2.4 GHz Mobile Mount Antennas

| | | | | | | |
|---------------|----|------------------------------------|-------|-------|-------|------|
| HG2403U-NMO | 43 | 3 dBi, Dual Band, NMO Connector | 35.50 | 32.66 | 29.82 | CALL |
| HG2403UR-NMOW | 44 | 3 dBi, White Radome, NMO Connector | 33.00 | 30.36 | 27.72 | CALL |
| HG2403UR-NMOB | 44 | 3 dBi, Black Radome, NMO Connector | 33.00 | 30.36 | 27.72 | CALL |

| | | | | | | |
|-------------------|----|--|-------|-------|-------|------|
| HG2403UR-NFBB | 39 | 3 dBi, Black Radome, N-Female Bulkhead Connector | 44.95 | 41.35 | 37.76 | CALL |
| HG2403UR-BAN12RTP | 39 | 3 dBi, Black Radome, 12" (30.4cm) Pigtail, RP-TNC Plug Connector | 44.95 | 41.35 | 37.76 | CALL |

| | | | | | | |
|--------------|----|--|--------|-------|-------|------|
| HG2405U-NMO | 42 | 5 dBi, NMO Connector | 25.00 | 23.00 | 21.00 | CALL |
| HG2405UR-NMO | 45 | 5 dBi, Black Radome, Flex-Base, NMO Connector | 102.32 | 94.14 | 85.95 | CALL |
| HG2408UR-NM | 45 | 8 dBi, Black Radome, Flex-Base, N Male Connector | 102.00 | 95.88 | 89.76 | CALL |
| HG2409U | 46 | 8.5 dBi, N Male Connector | 60.00 | 56.40 | 52.80 | CALL |

2.4 - 5.8 GHz Antennas with Magnetic Mobile Mounts

| | | | | | | |
|-------------------|----|--|-------|-------|-------|------|
| HG245803UR-NMOB | 44 | 3 dBi, Dual band, Black Radome, NMO Connector | 38.00 | 34.96 | 31.92 | CALL |
| HG245803UR-NMOW | 44 | 3 dBi, Dual band, White Radome, NMO Connector | 38.00 | 34.96 | 31.92 | CALL |
| HG245803MGURB-NF | 44 | 3 dBi, Dual Band, 10ft (3.0m) Cable with N Female Connector | 59.00 | 54.28 | 49.56 | CALL |
| HG245803MGURB-NM | 44 | 3 dBi, Dual Band, 10ft (3.0m) Cable with N Male Connector | 59.00 | 54.28 | 49.56 | CALL |
| HG245803MGURB-RSP | 44 | 3 dBi, Dual Band, 10ft (3.0m) Cable with RP-SMA PLUG Connector | 59.00 | 54.28 | 49.56 | CALL |
| HG245803MGURB-RTP | 44 | 3 dBi, Dual Band, 10ft (3.0m) Cable with RP-TNC PLUG Connector | 59.00 | 54.28 | 49.56 | CALL |
| HG245803MGURB-SM | 44 | 3 dBi, Dual Band, 10ft (3.0m) Cable with SMA Male Connector | 59.00 | 54.28 | 49.56 | CALL |
| HG245803MGURB-TM | 44 | 3 dBi, Dual Band, 10ft (3.0m) Cable with TNC Male Connector | 59.00 | 54.28 | 49.56 | CALL |
| HG245803MGURW-NF | 44 | 3 dBi, Dual Band, 10ft (3.0m) Cable with N Female Connector | 59.00 | 54.28 | 49.56 | CALL |
| HG245803MGURW-NM | 44 | 3 dBi, Dual Band, 10ft (3.0m) Cable with N Male Connector | 59.00 | 54.28 | 49.56 | CALL |
| HG245803MGURW-RSP | 44 | 3 dBi, Dual Band, 10ft (3.0m) Cable with RP-SMA PLUG Connector | 59.00 | 54.28 | 49.56 | CALL |
| HG245803MGURW-RTP | 44 | 3 dBi, Dual Band, 10ft (3.0m) Cable with RP-TNC PLUG Connector | 59.00 | 54.28 | 49.56 | CALL |
| HG245803MGURW-SM | 44 | 3 dBi, Dual Band, 10ft (3.0m) Cable with SMA Male Connector | 59.00 | 54.28 | 49.56 | CALL |
| HG245803MGURW-TM | 44 | 3 dBi, Dual Band, 10ft (3.0m) Cable with TNC Male Connector | 59.00 | 54.28 | 49.56 | CALL |

Cellular (LTE)/WiFi Multi-Band Mobile Antennas

L-com Wireless multi-band mobile antennas are designed to operate from 698-960 MHz to 1710-2700 MHz, making them ideal for Cellular LTE and IEEE 802.11g WiFi applications. Their operational frequency range also makes them compatible with in-building DAS networks which are used to distribute Cellular and WiFi signals throughout a building or area.

| | | | | | | |
|------------------|----|---|-------|-------|-------|------|
| HG72703UR-NMOB | 44 | 3 dBi, Multi Band, Black Radome, NMO Connector | 38.00 | 34.96 | 31.92 | CALL |
| HG72703UR-NMOW | 44 | 3 dBi, Multi Band, white Radome, NMO Connector | 38.00 | 34.96 | 31.92 | CALL |
| HG72703MGURB-NF | 44 | 3 dBi, Multi Band, 10ft (3.0m) Cable with N Female Connector | 59.00 | 54.28 | 49.56 | CALL |
| HG72703MGURB-NM | 44 | 3 dBi, Multi Band, 10ft (3.0m) Cable with N Male Connector | 59.00 | 54.28 | 49.56 | CALL |
| HG72703MGURB-RSP | 44 | 3 dBi, Multi Band, 10ft (3.0m) Cable with RP-SMA PLUG Connector | 59.00 | 54.28 | 49.56 | CALL |
| HG72703MGURB-RTP | 44 | 3 dBi, Multi Band, 10ft (3.0m) Cable with RP-TNC PLUG Connector | 59.00 | 54.28 | 49.56 | CALL |
| HG72703MGURB-SM | 44 | 3 dBi, Multi Band, 10ft (3.0m) Cable with SMA Male Connector | 59.00 | 54.28 | 49.56 | CALL |
| HG72703MGURB-TM | 44 | 3 dBi, Multi Band, 10ft (3.0m) Cable with TNC Male Connector | 59.00 | 54.28 | 49.56 | CALL |
| HG72703MGURW-NF | 44 | 3 dBi, Multi Band, 10ft (3.0m) Cable with N Female Connector | 59.00 | 54.28 | 49.56 | CALL |
| HG72703MGURW-NM | 44 | 3 dBi, Multi Band, 10ft (3.0m) Cable with N Male Connector | 59.00 | 54.28 | 49.56 | CALL |
| HG72703MGURW-RSP | 44 | 3 dBi, Multi Band, 10ft (3.0m) Cable with RP-SMA PLUG Connector | 59.00 | 54.28 | 49.56 | CALL |
| HG72703MGURW-RTP | 44 | 3 dBi, Multi Band, 10ft (3.0m) Cable with RP-TNC PLUG Connector | 59.00 | 54.28 | 49.56 | CALL |
| HG72703MGURW-SM | 44 | 3 dBi, Multi Band, 10ft (3.0m) Cable with SMA Male Connector | 59.00 | 54.28 | 49.56 | CALL |
| HG72703MGURW-TM | 44 | 3 dBi, Multi Band, 10ft (3.0m) Cable with TNC Male Connector | 59.00 | 54.28 | 49.56 | CALL |

| Item # | Style | Description | 1-9 | 10-24 | 25-99 | 100+ |
|--|-------|---|--------|--------|--------|------|
| 380-6000 MHz DAS and Public Safety DAS Antennas | | | | | | |
| HG72706DPCUPR-NF | 49 | 700-2700 MHz, 3.5-5.8 dBi, PIM Rated, MIMO, (2) N Female Connectors | 95.00 | 87.40 | 79.80 | CALL |
| HG75805CUPR-NF | 47 | 700-6000 MHz, 2/5 dBi, PIM Rated, N Female Connector | 75.00 | 69.00 | 63.00 | CALL |
| HG35805CUPR-NF | 51 | 380-6000 MHz, 2-6.4 dBi, PIM Rated, N Female Connector | 125.00 | 115.00 | 105.00 | CALL |
| HG72704CU-NF | 47 | 700-2700 MHz, 3/4 dBi, N Female Connector | 31.00 | 29.14 | 27.28 | CALL |
| HG72704CU-RSP | 47 | 700-2700 MHz, 3/4 dBi, RP-SMA Plug Connector | 31.00 | 29.14 | 27.28 | CALL |
| HG72704CU-RTP | 47 | 700-2700 MHz, 3/4 dBi, RP-TNC Plug Connector | 31.00 | 29.14 | 27.28 | CALL |
| HG72705CUPR-NF | 47 | 700-2700 MHz, 2/5 dBi, PIM Rated, N Female Connector | 60.00 | 55.20 | 50.40 | CALL |

2.4 GHz/2.4-5.8 GHz Ceiling Antennas - Indoor Single Band/Dual Band/MIMO Antennas

L-com offers a number of Ceiling Antennas in 2.4 GHz and 2.4/5.8 GHz frequencies for many indoor applications. The coverage is 360° and operating with single feed (1 X 1) as well as the new MIMO Multiple feeds (3 X 3 and 6 X 6). MIMO antennas provide the user with a single antenna to couple with the many multiple feed wireless radios operating in 802.11a/b/g/n.

| | | | | | | |
|-----------------|----|--|-------|-------|-------|------|
| HG2403-SDC-3NF | 48 | 3 dBi, Spatial Diversity Ceiling Antenna, (3) N Female Connectors | 60.00 | 57.60 | 55.20 | CALL |
| HG2403-SDC-3NM | 48 | 3 dBi, Spatial Diversity Ceiling Antenna, (3) N Male Connectors | 60.00 | 57.60 | 55.20 | CALL |
| HG2403-SDC-3RSP | 48 | 3 dBi, Spatial Diversity Ceiling Antenna, (3) RP-SMA Plug Connectors | 60.00 | 57.60 | 55.20 | CALL |
| HG2403-SDC-3RTP | 48 | 3 dBi, Spatial Diversity Ceiling Antenna, (3) RP-TNC Plug Connectors | 60.00 | 57.60 | 55.20 | CALL |

2.4 GHz MIMO Spatial Diversity Ceiling Antennas

| | | | | | | |
|-----------------|----|--|-------|-------|-------|------|
| HG2403-SDC-3NF | 48 | 3 dBi, Spatial Diversity Ceiling Antenna, (3) N Female Connectors | 60.00 | 57.60 | 55.20 | CALL |
| HG2403-SDC-3NM | 48 | 3 dBi, Spatial Diversity Ceiling Antenna, (3) N Male Connectors | 60.00 | 57.60 | 55.20 | CALL |
| HG2403-SDC-3RSP | 48 | 3 dBi, Spatial Diversity Ceiling Antenna, (3) RP-SMA Plug Connectors | 60.00 | 57.60 | 55.20 | CALL |
| HG2403-SDC-3RTP | 48 | 3 dBi, Spatial Diversity Ceiling Antenna, (3) RP-TNC Plug Connectors | 60.00 | 57.60 | 55.20 | CALL |

2.4-5.8 GHz Dual Band MIMO Spatial Diversity Ceiling Antennas

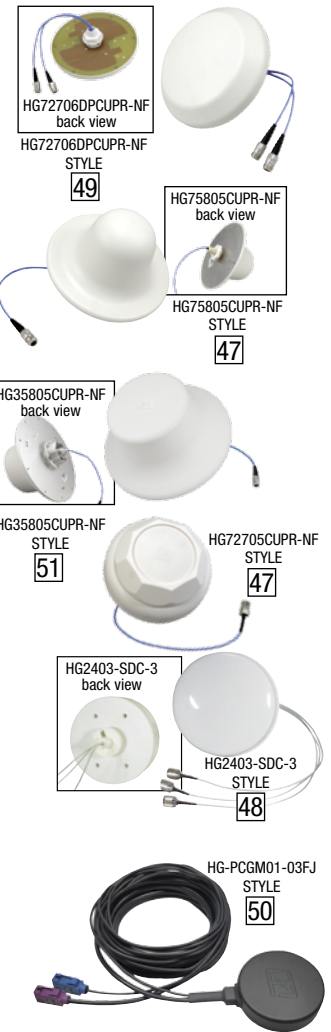
| | | | | | | |
|-----------------|----|---|-------|-------|-------|------|
| HG2458-3SDC-3NF | 48 | 3 dBi, Dual Band Spatial Diversity, (3) N Female Connectors | 60.29 | 56.68 | 53.06 | CALL |
|-----------------|----|---|-------|-------|-------|------|

2.4-5.8 GHz Dual Band Ceiling Antennas

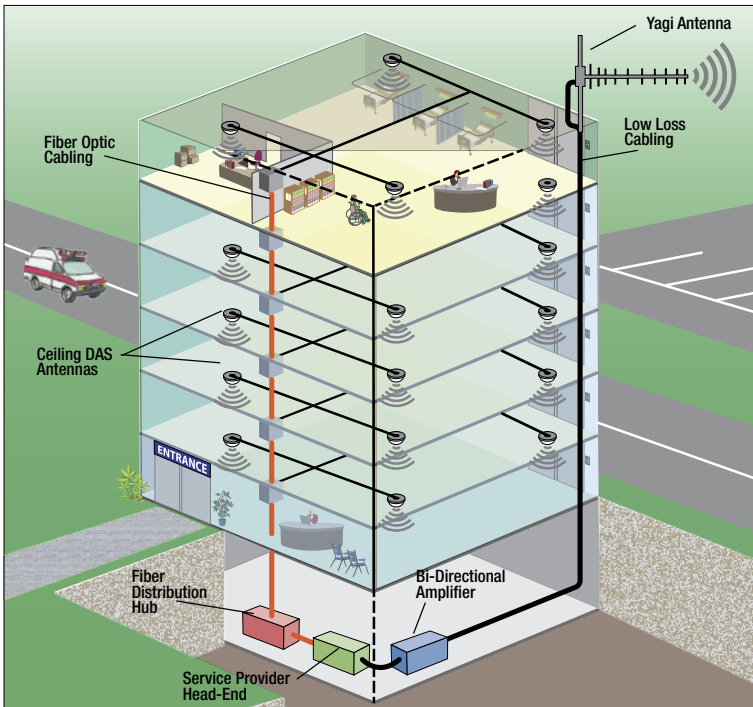
| | | | | | | |
|--------------|----|---|-------|-------|-------|------|
| HG2458CU-NF | 47 | 3 dBi, Dual Band Ceiling Antenna, N Female Connector | 49.00 | 45.08 | 41.16 | CALL |
| HG2458CU-RTP | 47 | 3 dBi, Dual Band Ceiling Antenna, RP-TNC Plug Connector | 49.00 | 45.08 | 41.16 | CALL |

Dual Band GPS/Cellular (3G/LTE) Mobile Magnetic Mount Antennas

| | | | | | | |
|----------------|----|--|-------|-------|-------|------|
| HG-PCGM01-03FJ | 50 | 28 dBi (GPS) / 3 dBi (Cellular), Magnetic Mount with (2) Fakra Jack Connectors | 40.00 | 36.80 | 33.60 | CALL |
| HG-PCGM01-03SM | 50 | 28 dBi (GPS) / 3 dBi (Cellular), Magnetic Mount with (2) SMA Male Connectors | 40.00 | 36.80 | 33.60 | CALL |

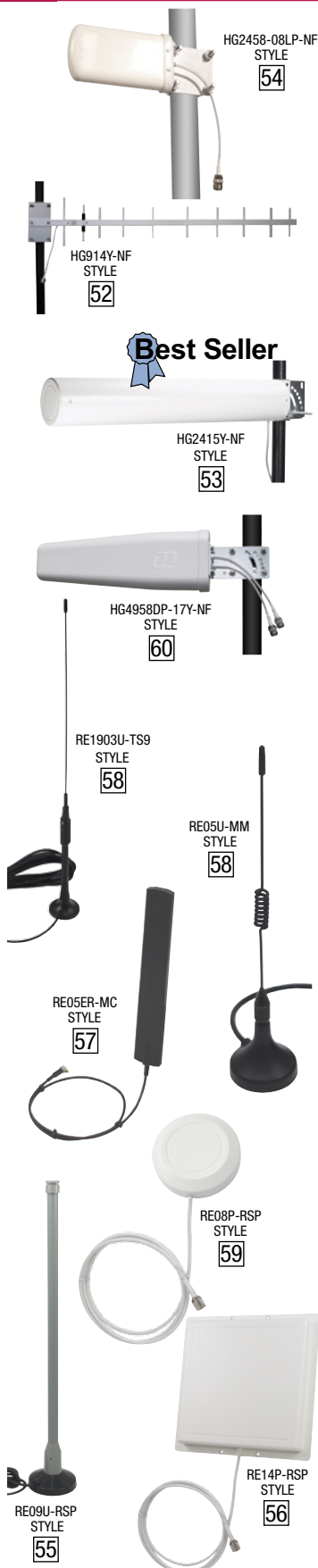


"STYLE" refers to shape of antenna in series.



Medical Facility DAS Network

In the application diagram, L-com's DAS ceiling antennas are connected via low loss coaxial cable to fiber distribution units and then to the data center via fiber optic cabling providing staff, patients and guests with broadband wireless access supporting both cellular and WiFi device connectivity.



"STYLE" refers to shape of antenna in series.

| Item # | Style | Description | 1-9 | 10-24 | 25-99 | 100+ |
|--------|-------|-------------|-----|-------|-------|------|
|--------|-------|-------------|-----|-------|-------|------|

L-com's Log Periodic Antenna

L-com's Log Periodic Antenna features high gain with multi-band performance. The radome enclosed antennas are ideal for all weather operation.

2.4 - 5.8 GHz Log Periodic Antenna

| | | | | | | |
|----------------|----|---|-------|-------|-------|------|
| HG2458-08LP-NF | 54 | 8 dBi, Radome Enclosed, 9" (22.9cm) Pigtail with N Female Connector | 79.00 | 72.68 | 66.36 | CALL |
|----------------|----|---|-------|-------|-------|------|

L-com Yagi Antennas

L-com offers both radome enclosed and non-radome enclosed long range directional Yagi antennas. These rugged antennas are ideal for all weather operation.

900 MHz Yagi Antennas

| | | | | | | |
|------------|----|---|--------|--------|--------|------|
| HG903YE-NF | 52 | 3 dBi, Aluminum, 15" (38.1cm) Pigtail with N Female Connector | 33.00 | 31.02 | 29.04 | CALL |
| HG906YE-NF | 52 | 6 dBi, Aluminum, 15" (38.1cm) Pigtail with N Female Connector | 37.00 | 34.78 | 32.56 | CALL |
| HG909YE-NF | 52 | 9 dBi, Aluminum, 15" (38.1cm) Pigtail with N Female Connector | 41.00 | 38.54 | 36.08 | CALL |
| HG912YE-NF | 52 | 12 dBi, Aluminum, 15" (38.1cm) Pigtail with N Female Connector | 44.00 | 41.36 | 38.72 | CALL |
| HG914YE-NF | 52 | 14 dBi, Aluminum, 15" (38.1cm) Pigtail with N Female Connector | 52.00 | 48.88 | 45.76 | CALL |
| HG909Y-NF | 52 | 9 dBi, Stainless Steel, 18" (45.7cm) Pigtail with N Female Connector | 43.00 | 39.56 | 36.12 | CALL |
| HG913Y-NF | 52 | 13 dBi, Stainless Steel, 18" (45.7cm) Pigtail with N Female Connector | 65.00 | 59.80 | 54.60 | CALL |
| HG914Y-NF | 52 | 14 dBi, Aluminum, 12" (30.5cm) Pigtail with N Female Connector | 145.00 | 133.40 | 121.80 | CALL |

1.9 GHz Yagi Antenna

| | | | | | | |
|-------------|----|--|-------|-------|-------|------|
| HG1912SY-NF | 52 | 12 dBi, Stainless Steel, 7" (17.8cm) Pigtail with N Female Connector | 54.00 | 49.68 | 45.36 | CALL |
|-------------|----|--|-------|-------|-------|------|

2.4 GHz Yagi Antennas

| | | | | | | |
|-------------|----|---|-------|-------|-------|------|
| HG2409Y-NF | 53 | 9 dBi, Radome Enclosed, 12" (30.5cm) Pigtail with N Female Connector | 52.00 | 47.84 | 43.68 | CALL |
| HG2409Y-NM | 53 | 9 dBi, Radome Enclosed, 12" (30.5cm) Pigtail with N Male Connector | 52.00 | 47.84 | 43.68 | CALL |
| HG2412SY-NF | 52 | 12 dBi, Stainless Steel, 7" (17.8cm) Pigtail with N Female Connector | 54.00 | 49.68 | 45.36 | CALL |
| HG2412Y-NF | 53 | 12 dBi, Radome Enclosed, 12" (30.5cm) Pigtail with N Female Connector | 59.00 | 54.28 | 49.56 | CALL |
| HG2412Y-NM | 53 | 12 dBi, Radome Enclosed, 12" (30.5cm) Pigtail with N Male Connector | 59.00 | 54.28 | 49.56 | CALL |
| HG2415Y-NF | 53 | 14.5 dBi, Radome Enclosed, 12" (30.5cm) Pigtail with N Female Connector | 65.00 | 59.80 | 54.60 | CALL |
| HG2415Y-NM | 53 | 14.5 dBi, Radome Enclosed, 12" (30.5cm) Pigtail with N Male Connector | 65.00 | 59.80 | 54.60 | CALL |

4.9 - 5.8 GHz Dual Polarized Yagi Antenna

| | | | | | | |
|-----------------|----|--|--------|--------|--------|------|
| HG4958DP-17Y-NF | 60 | 17 dBi, Radome Enclosed, 12" (30.5cm) Pigtail with (2) N Female Connectors | 181.00 | 166.52 | 152.04 | CALL |
|-----------------|----|--|--------|--------|--------|------|

5.8 GHz Yagi Antenna

| | | | | | | |
|--------------|----|---|-------|-------|-------|------|
| HG5817Y-NF-1 | 60 | 16.5 dBi, Radome Enclosed, 10" (25.4cm) Pigtail with N Female Connector | 82.10 | 75.53 | 68.96 | CALL |
|--------------|----|---|-------|-------|-------|------|

L-com Range Extender Antennas (To see our full line of Range Extender Antennas go to L-com.com)

L-com's range extender antennas can be used to achieve greater range than standard Rubber Duck antennas or a PC card's internal antenna. Full 360° coverage is provided by the Omni Directional antennas and the Patch style range extender antennas feature directional operation. This series supports various applications including 2.4 GHz IEEE 802.11b/g/n wireless LANs, 800-1800 MHz ISM, GSM and RFID.

800-900 MHz Range Extender Antennas

| | | | | | | |
|------------|----|--|-------|-------|-------|------|
| RE905U-NM | 58 | 5 dBi, MAG Mount Omni 4ft (1.2m) Cable N Male Connector | 26.00 | 23.92 | 21.84 | CALL |
| RE905U-RSP | 58 | 5 dBi, MAG Mount Omni 4ft (1.2m) Cable RP-SMA Plug Connector | 26.00 | 23.92 | 21.84 | CALL |
| RE905U-SM | 58 | 5 dBi, MAG Mount Omni 4ft (1.2m) Cable SMA Male Connector | 26.00 | 23.92 | 21.84 | CALL |
| RE905U-TM | 58 | 5 dBi, MAG Mount Omni 4ft (1.2m) Cable TNC Male Connector | 26.00 | 23.92 | 21.84 | CALL |

900/1800-1900 MHz Range Extender Antennas

| | | | | | | |
|-------------|----|---|-------|-------|-------|------|
| RE1903U-MC | 58 | 3 dBi, MAG Mount Omni 4ft (1.2m) Cable MC-Card Connector | 27.00 | 24.84 | 22.68 | CALL |
| RE1903U-NM | 58 | 3 dBi, MAG Mount Omni 4ft (1.2m) Cable N Male Connector | 27.00 | 24.84 | 22.68 | CALL |
| RE1903U-SM | 58 | 3 dBi, MAG Mount Omni 4ft (1.2m) Cable SMA Male Connector | 26.89 | 24.74 | 22.59 | CALL |
| RE1903U-SNP | 58 | 3 dBi, MAG Mount Omni 4ft (1.2m) Cable SMA Nano Connector | 27.00 | 24.84 | 22.68 | CALL |
| RE1903U-TM | 58 | 3 dBi, MAG Mount Omni 4ft (1.2m) Cable TNC Male Connector | 27.00 | 24.84 | 22.68 | CALL |
| RE1903U-TS9 | 58 | 3 dBi, MAG Mount Omni 4ft (1.2m) Cable TS9-Plug Connector | 27.00 | 24.84 | 22.68 | CALL |

1.2 GHz Range Extender Antenna

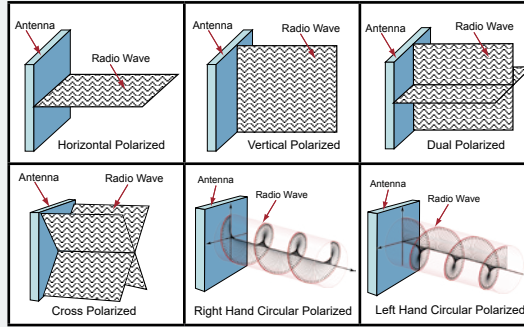
| | | | | | | |
|------------|----|--|-------|-------|-------|------|
| RE1208P-SM | 56 | 8 dBi, 8" (20.3cm) Sq., 3ft (0.9m) Pigtail with SMA Male Connector | 37.00 | 34.04 | 31.08 | CALL |
|------------|----|--|-------|-------|-------|------|

2.4 GHz Range Extender Antennas

| | | | | | | |
|------------|----|---|-------|-------|-------|------|
| RE05ER-MC | 57 | 5 dBi, 19" (22.9cm) Cable with MC-Card Connector | 17.00 | 15.64 | 14.28 | CALL |
| RE05ER-MM | 57 | 5 dBi, 19" (22.9cm) Cable with MMCX Connector | 17.00 | 15.64 | 14.28 | CALL |
| RE05U-MM | 58 | 5 dBi, MAG Mount, 4ft (1.2m) Cable with MMCX Connector | 16.00 | 15.36 | 14.72 | CALL |
| RE05U-RSP | 58 | 5 dBi, MAG Mount, 4ft (1.2m) Cable with RP-SMA Plug Connector | 16.00 | 15.36 | 14.72 | CALL |
| RE05U-RTP | 58 | 5 dBi, MAG Mount, 4ft (1.2m) Cable with RP-TNC Plug Connector | 16.00 | 15.36 | 14.72 | CALL |
| RE07U-RSP | 58 | 7 dBi, MAG Mount, 4ft (1.2m) Cable with RP-SMA Plug Connector | 18.00 | 17.28 | 16.56 | CALL |
| RE07U-RTP | 58 | 7 dBi, MAG Mount, 4ft (1.2m) Cable with RP-TNC Plug Connector | 18.00 | 17.28 | 16.56 | CALL |
| RE08P-RSP | 59 | 8 dBi, 4" (10.2cm) Round, 4ft (1.2m) Cable with RP-SMA Plug Connector | 38.00 | 34.96 | 31.92 | CALL |
| RE08P-RTP | 59 | 8 dBi, 4" (10.2cm) Round, 4ft (1.2m) Cable with RP-TNC Plug Connector | 38.00 | 34.96 | 31.92 | CALL |
| RE09U-RSP | 55 | 9 dBi, MAG Mount, 4ft (1.2m) Cable with RP-SMA Plug Connector | 85.00 | 79.90 | 74.80 | CALL |
| RE09P-RTP | 55 | 9 dBi, MAG Mount, 4ft (1.2m) Cable with RP-TNC Plug Connector | 85.00 | 79.90 | 74.80 | CALL |
| RE09P-RSP | 56 | 8 dBi, 4" (10.2cm) Sq., 4ft (1.2m) Cable with RP-SMA Plug Connector | 42.00 | 38.64 | 35.28 | CALL |
| RE09P-RTP | 56 | 8 dBi, 4" (10.2cm) Sq., 4ft (1.2m) Cable with RP-TNC Plug Connector | 42.00 | 38.64 | 35.28 | CALL |
| RE110P-RSP | 56 | 11 dBi, 8" (20.3cm) Sq., Dual Polarized, 3ft (0.9m) Cables w/RP-SMA Plug Connectors | 42.00 | 38.64 | 35.28 | CALL |
| RE110P-RTP | 56 | 11 dBi, 8" (20.3cm) Sq., Dual Polarized, 3ft (0.9m) Cables w/RP-TNC Plug Connectors | 42.00 | 38.64 | 35.28 | CALL |
| RE110S-RSP | 56 | 11 dBi, 8" (20.3cm) Sq., Dual Spatial, 3ft (0.9m) Cables w/RP-SMA Plug Connectors | 42.00 | 38.64 | 35.28 | CALL |
| RE110S-RTP | 56 | 11 dBi, 8" (20.3cm) Sq., Dual Spatial, 3ft (0.9m) Cables w/RP-TNC Plug Connectors | 42.00 | 38.64 | 35.28 | CALL |
| RE14P-RSP | 56 | 14 dBi, 8" (20.3cm) Sq., 3ft (0.9m) Cable with RP-SMA Plug Connector | 47.00 | 43.24 | 39.48 | CALL |
| RE14P-RTP | 56 | 14 dBi, 8" (20.3cm) Sq., 3ft (0.9m) Cable with RP-TNC Plug Connector | 47.00 | 43.24 | 39.48 | CALL |

Tip What is Polarity?

Polarization refers to the orientation of the electric field component of an electromagnetic wave with respect to the Earth's surface. An electromagnetic wave is composed of electric and magnetic fields propagating perpendicular to each other. Radio and light are both electromagnetic waves. Electromagnetic waves can propagate with linear, circular or elliptical polarization. Linear polarization is the most popular method used in WiFi communications and can take two forms, vertical and horizontal. Some antennas utilize dual polarity which provides access and interoperability with both vertical and horizontal polarized antennas. Other polarization options include cross polarization where one element is +45° polarized and the other is -45° polarized. The two opposing 45° angle of the elements produces a cross or X orientation. Circular-polarized antennas have equal response to either horizontal or vertical polarized antennas. These antennas are designed to either support right hand or left hand polarization to suit varied wireless connectivity applications.



| Item # | Description | 1-9 | 10-24 | 25-99 | 100+ |
|--------|-------------|-----|-------|-------|------|
|--------|-------------|-----|-------|-------|------|

Mounting Brackets for Antennas, Amplifiers and Surge Protectors

L-com offers an extensive line of mounting bracket options for its antennas, amplifiers, and surge protectors. Options include wall mount, window mount, mast mount and more. Visit us online at L-com.com for complete bracket dimensions and specifications.

| | | | | | |
|-------------------|--|--------|--------|--------|------|
| HGX-LPMOUNT01 | ALQ2-NMNF Surge Protector Mounting Bracket | 6.25 | 5.75 | 5.25 | CALL |
| HGX-PMT02 | Indoor Antenna Mounting Kit, Small Metal Tilt & Swivel | 13.00 | 11.96 | 10.92 | CALL |
| HGX-PMT03 | Indoor Antenna Mounting Kit, Medium Plastic Tilt & Swivel | 15.00 | 13.80 | 12.60 | CALL |
| HGX-PMT04 | Large Metal Tilt & Swivel Mounting Bracket for Wall or Mast Mounting | 24.00 | 22.08 | 20.16 | CALL |
| HGX-PMT06 | 60° Tilt & Swivel Mounting Kit for Mounting to 1.25" to 2" Dia. Masts | 12.00 | 11.04 | 10.08 | CALL |
| HGX-PMT07 | Stationary Mounting Kit for Mounting to 1.25" to 2" Dia. Masts | 8.00 | 7.36 | 6.72 | CALL |
| HGX-PMT08 | Suction Cup Window Mounting Kit for Select L-com Antennas | 13.00 | 11.96 | 10.92 | CALL |
| HGX-PMT11 | Heavy Duty Stationary Mast Mounting Kit for Mounting to 1.25" to 2" Dia. | 14.00 | 12.88 | 11.76 | CALL |
| HGX-PMT14 | Mast Mount Kit for Outdoor Filters/Splitters 1.25" to 2" Dia. Masts | 16.00 | 14.72 | 13.44 | CALL |
| HGX-PMT15 | Indoor Antenna Mounting Kit - Compact Metal Tilt & Swivel | 13.00 | 11.96 | 10.92 | CALL |
| HGX-PMT23 | Heavy Duty Angled Mast Antenna Mount | 12.00 | 11.04 | 10.08 | CALL |
| HGX-PMT26 | Antenna Array Pole Mount Kit for 120 Degree Sectorial Antennas | 135.00 | 124.20 | 113.40 | CALL |
| HGX-PMT31 | Sector Panel Antenna Replacement Mounting Hardware | 57.00 | 52.44 | 47.88 | CALL |
| HGX-MMOUNT01 | Ratchet Style Marine Antenna Mount | 16.00 | 14.72 | 13.44 | CALL |
| HGX-UMOUNT | Powder Coated Galvanized Steel "DSS-style" Arm-Outdoor Wall Mounting 21" | 20.00 | 19.20 | 18.40 | CALL |
| HGX-UMOUNT-10PK | Powder Coated Galvanized Steel "DSS-style" Arm-Outdoor Wall Mounting 10 Pack | 150.00 | 144.00 | 138.00 | CALL |
| HGX-UMOUNT01 | Powder Coated Galvanized Steel "DSS-style" Arm-Outdoor Wall Mounting 26.7" | 20.00 | 19.20 | 18.40 | CALL |
| HGX-UMOUNT01-10PK | Powder Coated Galvanized Steel "DSS-style" Arm-Outdoor Wall Mounting 10 Pack | 155.00 | 148.80 | 142.60 | CALL |
| HGX-UMOUNT02 | Ceiling/Wall Mount for 4.5" Sq. and 8.5" Sq. Patch Antennas | 19.00 | 18.24 | 17.48 | CALL |
| HGX-UMOUNT04 | Universal Corner Mounting Bracket | 30.00 | 28.80 | 27.60 | CALL |
| HGX-UMOUNT07 | Universal Tube Antenna/Satellite Dish Mount | 28.00 | 26.88 | 25.76 | CALL |

RET/AISG 8-Pin FS1 Type Male or Female Connectors

Remote Electrical Tilt (RET) antenna systems are designed so that wireless providers can make adjustments remotely to their antenna systems. The Antenna Interface Standards Group (AISG) has created specifications for the control interface for these types of systems. L-com now offers these FS1 type connectors for AISG applications as well as industrial control applications.

| | | | | | |
|------------|---|-------|-------|-------|------|
| AISGM-2000 | RET/AISG 8-Pin FS1 Type Connector, Male | 14.50 | 13.92 | 13.34 | CALL |
| AISGF-2000 | RET/AISG 8-Pin FS1 Type Connector, Female | 14.50 | 13.92 | 13.34 | CALL |

RET/AISG 6-Conductor Control Cable Assemblies

L-com's 6-Conductor Remote Electrical Tilt (RET)/AISG compatible control cable assemblies are terminated with Male and Female FS1 type DIN connectors. The connectors on these cable assemblies are interchangeable with Amphenol C 901 A/B/C and Binder 423 series connectors.

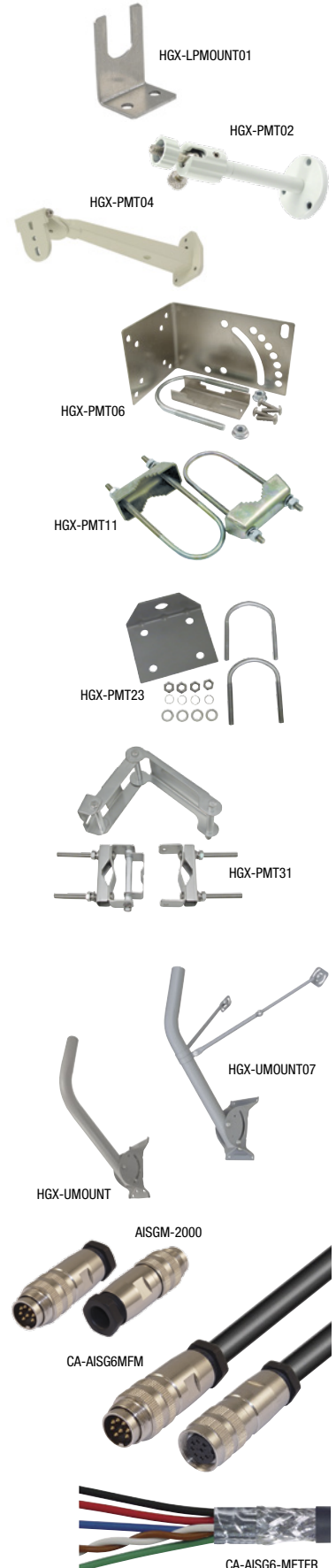
| | | | | | |
|---------------|--|--------|--------|--------|------|
| CA-AISG6MFM01 | RET/AISG 6-Conductor Control Cable, Male/Female, 1.0m | 61.14 | 59.30 | 57.47 | CALL |
| CA-AISG6MFM02 | RET/AISG 6-Conductor Control Cable, Male/Female, 2.0m | 65.18 | 63.22 | 61.27 | CALL |
| CA-AISG6MFM03 | RET/AISG 6-Conductor Control Cable, Male/Female, 3.0m | 69.22 | 67.14 | 65.07 | CALL |
| CA-AISG6MFM04 | RET/AISG 6-Conductor Control Cable, Male/Female, 4.0m | 74.50 | 72.27 | 70.03 | CALL |
| CA-AISG6MFM05 | RET/AISG 6-Conductor Control Cable, Male/Female, 5.0m | 78.44 | 76.09 | 73.73 | CALL |
| CA-AISG6MFM06 | RET/AISG 6-Conductor Control Cable, Male/Female, 6.0m | 82.48 | 80.01 | 77.53 | CALL |
| CA-AISG6MFM09 | RET/AISG 6-Conductor Control Cable, Male/Female, 9.0m | 95.95 | 93.07 | 90.19 | CALL |
| CA-AISG6MFM10 | RET/AISG 6-Conductor Control Cable, Male/Female, 10.0m | 101.18 | 98.15 | 95.11 | CALL |
| CA-AISG6MFM15 | RET/AISG 6-Conductor Control Cable, Male/Female, 15.0m | 121.24 | 117.60 | 113.96 | CALL |
| CA-AISG6MFM20 | RET/AISG 6-Conductor Control Cable, Male/Female, 20.0m | 141.23 | 137.00 | 132.76 | CALL |
| CA-AISG6MFM30 | RET/AISG 6-Conductor Control Cable, Male/Female, 30.0m | 182.68 | 177.20 | 171.72 | CALL |
| CA-AISG6MFM40 | RET/AISG 6-Conductor Control Cable, Male/Female, 40.0m | 222.68 | 216.00 | 209.32 | CALL |
| CA-AISG6MFM50 | RET/AISG 6-Conductor Control Cable, Male/Female, 50.0m | 264.02 | 256.10 | 248.18 | CALL |
| CA-AISG6MFM60 | RET/AISG 6-Conductor Control Cable, Male/Female, 60.0m | 304.12 | 295.00 | 285.88 | CALL |

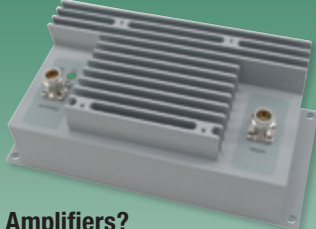
| Item # | Description | List Price |
|--------|-------------|------------|
|--------|-------------|------------|

6-Conductor RET/AISG Control Cable by the Meter

L-com now offers 6-Conductor Remote Electrical Tilt (RET) control cable, by the meter.

| | | |
|----------------|--------------------------------------|------|
| CA-AISG6-METER | 6-Conductor Control Cable, per Meter | 4.13 |
|----------------|--------------------------------------|------|





WIFI/WLAN/CELLULAR AMPLIFIERS

What are Amplifiers?

Wireless LAN Amplifiers are a type of electronic amplifier used to convert a low-power radio-frequency signal into a larger signal of significant power, typically used for driving the antenna of a transmitter.

How are Amplifiers used?

Wireless LAN Amplifiers are typically connected via low loss coaxial cable to a radio on one end and then to either a splitter or filter and then to an antenna. Sometimes they're connected directly to an antenna when a filter or splitter is not required.

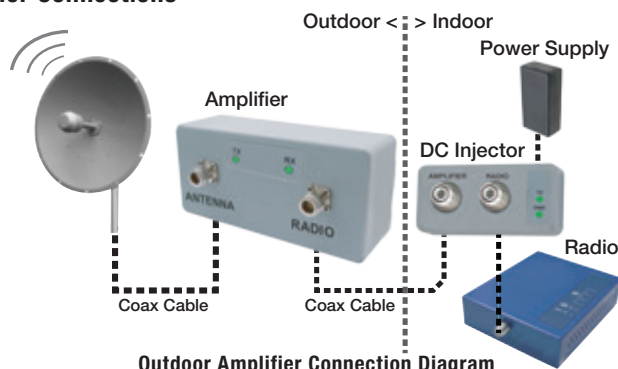
Where are Amplifiers used?

Wireless LAN Amplifiers are used in wireless communications networks for public, private, military and government applications. Amplifiers can be used indoors and outdoors exposed to the elements or used in an equipment enclosure.

Typical Amplifier Connections



Indoor Amplifier Connection Diagram



Outdoor Amplifier Connection Diagram



See the video at L-com.com/Videos/A30

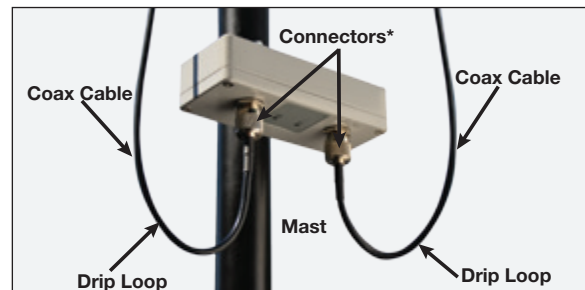


See the video at L-com.com/Videos/A31

Automatic Power Control (APC)

The key requirements of bi-directional amplifiers for use with the new high data rate 802.11a/g/n radios is Automatic Power Control (APC), fast switching speed and good linearity. A 802.11a/g/n radio is very sensitive to signal distortion. Older amplifiers designed for use with 802.11b radios will not function properly with the newer radios. In 2002, we were the first

company to offer an 802.11g bi-directional amplifier with APC. The use of a competitor's fixed gain amplifier with the new rate 802.11a/g/n radio is guaranteed to degrade radio or range performance. L-com's APC will hold transmit power constant regardless of data rate. **Note:** Automatic Power Control (APC) is also known as Automatic Gain Control (AGC).



Outdoor WiFi Amplifier installation best practices

To protect your amplifier and attached equipment we recommend the use of coaxial surge and lightning protectors (pages 37-39). Also make sure to leave drip loops on your cables and use moldable weatherproof tape on all connectors that reside outdoors.

For added protection, moldable or self-healing weatherproof tape is recommended to be put on connectors after cable is attached.

***Note:** Do not install with connectors facing up. This may lead to amplifier damage and void warranty.

WiFi/WLAN Amplifier products are available for export, military, licensed amateur radio (ham radio) and OEM component sales only and as part of complete FCC Certified Systems. Individual amplifier products are not offered for sale in the USA. Please note that additional documentation may be required to purchase a L-com amplifier. In those cases an L-com sales associate will contact you to complete your order.

L-com 4G/LTE Cellular Amplifiers/Boosters

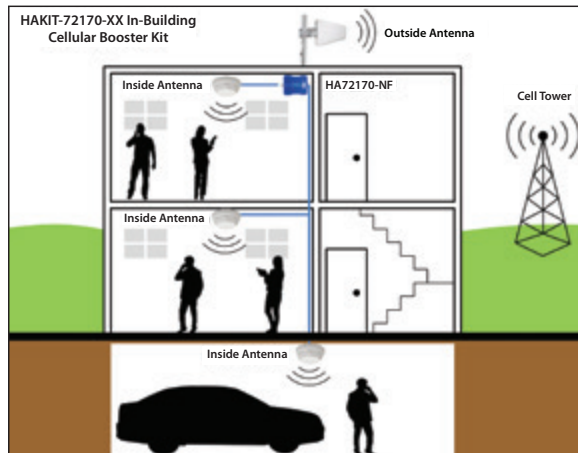
L-com's family of 4G/LTE cellular boosters are able to capture a weak cellular signal and amplify it so you can enjoy crystal-clear calls, fast and consistent data speeds and reduce dropped calls. Using an L-com cellular booster can also help increase battery life with up to 2 hours of additional talk time in weak-signal areas.

How It Works

1. An outside mounted antenna captures a voice, 3G/4G/LTE signal and transfers it to the cellular booster via a coaxial cable.
2. The cellular booster receives the signal and amplifies it. It then transfers the signal to an inside mounted antenna via a coaxial cable.
3. Your mobile devices get a stronger signal, fast and consistent data speeds.

L-com's cellular boosters can be used with the following carriers in the US:

- AT&T 2G/3G/4G (HSPA+ & LTE)
- Verizon 3G/4G
- T-Mobile 2G/3G/4G
- Sprint 3G/4G
- US Cellular 3G/4G
- Metro PCS 3G/4G



HA72170-NF
STYLE
68



HAKIT-72170-01
STYLE
69



HAKIT-72170-11
STYLE
70



HAKIT-72150-M01
STYLE
71

"STYLE" refers to type of amplifier in series.

| Item # | Style | Description | 1-9 | 10-24 | 25-99 | 100+ |
|--------|-------|-------------|-----|-------|-------|------|
|--------|-------|-------------|-----|-------|-------|------|

L-com 4G/LTE In-Building Cellular Amplifiers/Boosters

The HA72170-NF booster and HAKIT-72170 booster kits lets you wirelessly connect to over 25 mobile devices and can increase cellular coverage for an area up to 7,500 square feet (cellular coverage may vary depending on in-building obstructions and antenna type used). Designed for indoor use only, the HA72170-NF includes power supply and mounting brackets.

| | | | | | | |
|------------|----|---|--------|--------|--------|------|
| HA72170-NF | 68 | 4G/LTE Indoor Cellular Amplifier/Booster, N-Female Connectors | 800.00 | 768.00 | 736.00 | CALL |
|------------|----|---|--------|--------|--------|------|

For a complete in-building solution there is the HAKIT-72170-0x and HAKIT-72170-1x cellular booster kits. The HAKIT-72170-0x kits include the HA72170-NF as well as (1) indoor antenna, (1) directional outdoor antenna, (1) outdoor antenna mount, (1) coaxial lightning protector and (2) 400 series low loss cable assemblies in either 25', 50' or 75' lengths. The HAKIT-72170-1x kits includes an omni-directional outdoor antenna instead of a directional outdoor antenna. This is ideal when trying to receive a signal from multiple cell towers.

With Directional Outdoor Antenna

| | | | | | | |
|----------------|----|--|--------|--------|--------|------|
| HAKIT-72170-01 | 69 | HA72170-NF Kit w/Antennas & Mount, Lightning Protector, (2) 75' Cable Assemblies | 930.00 | 911.40 | 892.80 | CALL |
| HAKIT-72170-02 | 69 | HA72170-NF Kit w/Antennas & Mount, Lightning Protector, (2) 50' Cable Assemblies | 905.00 | 886.90 | 868.80 | CALL |
| HAKIT-72170-03 | 69 | HA72170-NF Kit w/Antennas & Mount, Lightning Protector, (2) 25' Cable Assemblies | 880.00 | 862.40 | 844.80 | CALL |

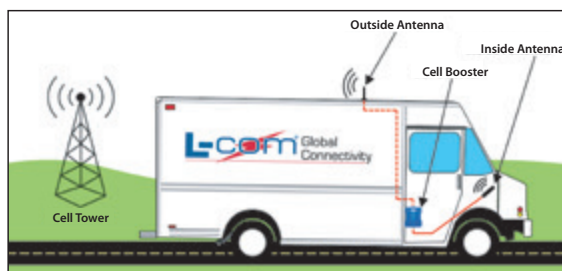
With Omni-Directional Outdoor Antenna

| | | | | | | |
|----------------|----|--|--------|--------|--------|------|
| HAKIT-72170-11 | 70 | HA72170-NF Kit w/Antennas & Mount, Lightning Protector, (2) 75' Cable Assemblies | 930.00 | 911.40 | 892.80 | CALL |
| HAKIT-72170-12 | 70 | HA72170-NF Kit w/Antennas & Mount, Lightning Protector, (2) 50' Cable Assemblies | 905.00 | 886.90 | 868.80 | CALL |
| HAKIT-72170-13 | 70 | HA72170-NF Kit w/Antennas & Mount, Lightning Protector, (2) 25' Cable Assemblies | 880.00 | 862.40 | 844.80 | CALL |

L-com 4G/LTE Cellular Amplifier/Booster

Designed for in-vehicle use only, the HAKIT-72150-M01 lets you simultaneously connect multiple mobile devices. This kit is ideal for cars and RVs, boats, public safety vehicles, public transportation vehicles and fleet vehicles.

The HAKIT-72150-M01 is easy to install and includes (1) HA72150M-FME cell booster, (1) adhesive mount in-vehicle antenna, (1) magnetic mount outside omni-directional antenna and (1) 12V vehicle power adapter with on/off switch.



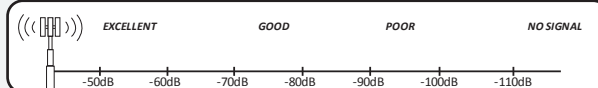
| Item # | Style | Description | 1-9 | 10-24 | 25-99 | 100+ |
|--------|-------|-------------|-----|-------|-------|------|
|--------|-------|-------------|-----|-------|-------|------|

| | | | | | | |
|-----------------|----|---|--------|--------|--------|------|
| HAKIT-72150-M01 | 71 | HA72150M-FME Kit w/Inside & Outside Antennas, 12V Power Adapter | 500.00 | 480.00 | 460.00 | CALL |
|-----------------|----|---|--------|--------|--------|------|

Finding The Strongest Signal Position

When installing the HA72170-NF's outside antenna, aiming it towards the best signal source from your service provider is important. The best way of getting the strongest signal is to have one person rotate and aim the outside antenna which should be connected to the booster. While turning the outside antenna around 45 degrees at a time, a second person is watching the signal strength on the phone inside the building. This allows you to read the signal strength from the cell tower. It is preferable to have the mobile phone in test mode: iPhones – Dial *3001#12345#*. The top left corner will display signal strength. Android Mobile Phones – The signal strength can be found in Settings – About Phone – Mobile Networks – Signal Strength.

Also there are several apps available that allow you to measure exact signal strength. Signal readings usually appear as a negative number (for example, -68 dBm). The closer you get to zero the stronger the signal.



HA2401MG-250
STYLE

60

Best Seller

HA2401GXI-1000
STYLE

61

HA2401G-100
STYLE

62

HA2402GX-NF
STYLE

63

HA2405GT-NF
STYLE

66

HA2401GXE-KIT02
STYLE

61

HA2401RTGE-100
STYLE

64



"STYLE" refers to type of amplifier in series.

| Item # | Style | Description | 1-9 | 10-24 | 25-99 | 100+ |
|--------|-------|-------------|-----|-------|-------|------|
|--------|-------|-------------|-----|-------|-------|------|

HyperAmp® WLAN and WiFi Amplifiers/Boosters - Upgrade Your Operating Range and Performance

L-com is the leader in bi-directional amplifiers/boosters for WiFi and wireless LAN applications. Consisting of a low-noise receive amplifier and a transmit power amplifier, they offer significant improvement in operating range and performance. A key feature of L-com amplifiers is the Active Power Control circuit (also known as Automatic Gain Control - AGC). This automatically adjusts the amplifier's gain to provide a constant output power regardless of cable length.

L-com 2.4 GHz Indoor Amplifiers with Power Supply

| | | | | | | |
|-----------------|----|---|--------|--------|--------|------|
| HA2401MG-250 | 60 | 250 mW, Compact Series, 802.11b/g/n, Type N Female Connectors | 140.00 | 133.00 | 126.00 | CALL |
| HA2401MG-500 | 60 | 500 mW, Compact Series, 802.11b/g/n, Type N Female Connectors | 150.00 | 142.50 | 135.00 | CALL |
| HA2401RTMG-100* | 60 | 100 mW, Compact Series, 802.11b/g/n, RP-TNC Jack Connectors | 130.00 | 123.50 | 117.00 | CALL |
| HA2401RTMG-250* | 60 | 250 mW, Compact Series, 802.11b/g/n, RP-TNC Jack Connectors | 140.00 | 133.00 | 126.00 | CALL |
| HA2401RTMG-500* | 60 | 500 mW, Compact Series, 802.11b/g/n, RP-TNC Jack Connectors | 150.00 | 142.50 | 135.00 | CALL |

| | | | | | | |
|--------------|----|---|--------|--------|--------|------|
| HA2401GI-100 | 64 | 100 mW, 802.11b/g/n, Type N Female Connectors | 155.00 | 147.25 | 139.50 | CALL |
| HA2401GI-250 | 64 | 250 mW 802.11b/g/n, Type N Female Connectors | 165.00 | 156.75 | 148.50 | CALL |
| HA2401GI-500 | 64 | 500 mW 802.11b/g/n, Type N Female Connectors | 175.00 | 166.25 | 157.50 | CALL |

| | | | | | | |
|----------------|----|---|--------|--------|--------|------|
| HA2401GXI-1000 | 61 | 1 Watt, 802.11b/g/n, Type N Female Connectors | 205.00 | 194.75 | 184.50 | CALL |
|----------------|----|---|--------|--------|--------|------|

| | | | | | | |
|-----------------|----|---|--------|--------|--------|------|
| HA2401RTGI-100* | 64 | 100 mW, 802.11b/g/n, RP-TNC Jack Connectors | 155.00 | 147.25 | 139.50 | CALL |
| HA2401RTGI-250* | 64 | 250 mW, 802.11b/g/n, RP-TNC Jack Connectors | 165.00 | 156.75 | 148.50 | CALL |
| HA2401RTGI-500* | 64 | 500 mW, 802.11b/g/n, RP-TNC Jack Connectors | 175.00 | 166.25 | 157.50 | CALL |

| | | | | | | |
|-----------------|----|---|--------|--------|--------|------|
| HA2401RTGX1000* | 61 | 1 Watt, 802.11b/g/n, RP-TNC Jack Connectors | 205.00 | 194.75 | 184.50 | CALL |
| HA2402GX-NF | 61 | 2 Watt, 802.11b/g/n, Type N Female Connectors | 260.00 | 247.00 | 234.00 | CALL |
| HA2401DX-XL3000 | 61 | 3 Watt, 802.11b, Type N Female Connectors | 275.00 | 261.25 | 247.50 | CALL |

| | | | | | | |
|----------------|----|--|--------|--------|--------|------|
| HA2403GTI-NF | 66 | 3 Watt, 802.11b/g/n, Type N Female Connectors | 615.00 | 584.25 | 553.50 | CALL |
| HA2404GTI-NF | 66 | 4 Watt, 802.11b/g/n, Type N Female Connectors | 670.00 | 636.50 | 603.00 | CALL |
| HA2405GTI-NF | 66 | 5 Watt, 802.11b/g/n, Type N Female Connectors | 725.00 | 688.75 | 652.50 | CALL |
| HA2406GTI-NF | 66 | 6 Watt, 802.11b, Type N Female Connectors | 725.00 | 688.75 | 652.50 | CALL |
| HA2408GTI-NF | 66 | 8 Watt, 802.11b, Type N Female Connectors | 780.00 | 741.00 | 702.00 | CALL |
| HA240105GAI-NF | 66 | 1/5 Watt, Switchable 802.11b/g/n, Type N Female Connectors | 985.00 | 935.75 | 886.50 | CALL |

*These models also available in FCC Certified Amplifier Kits

L-com 2.4 GHz Outdoor Amplifiers with DC Injector and Power Supply

| | | | | | | |
|-------------|----|---|--------|--------|--------|------|
| HA2401G-100 | 62 | 100 mW, 802.11b/g/n, Type N Female Connectors | 175.00 | 166.25 | 157.50 | CALL |
| HA2401G-250 | 62 | 250 mW, 802.11b/g/n, Type N Female Connectors | 185.00 | 175.75 | 166.50 | CALL |
| HA2401G-500 | 62 | 500 mW, 802.11b/g/n, Type N Female Connectors | 195.00 | 185.25 | 175.50 | CALL |

| | | | | | | |
|---------------|----|---|--------|--------|--------|------|
| HA2401GX-1000 | 63 | 1 Watt, 802.11b/g/n, Type N Female Connectors | 230.00 | 218.50 | 207.00 | CALL |
|---------------|----|---|--------|--------|--------|------|

| | | | | | | |
|----------------|----|---|--------|--------|--------|------|
| HA2401RTG-100* | 62 | 100 mW, 802.11b/g/n, RP-TNC Jack Connectors | 175.00 | 166.25 | 157.50 | CALL |
| HA2401RTG-250* | 62 | 250 mW, 802.11b/g/n, RP-TNC Jack Connectors | 185.00 | 175.75 | 166.50 | CALL |
| HA2401RTG-500* | 62 | 500 mW, 802.11b/g/n, RP-TNC Jack Connectors | 195.00 | 185.25 | 175.50 | CALL |

| | | | | | | |
|------------------|----|---|--------|--------|--------|------|
| HA2401RTGX-1000* | 63 | 1 Watt, 802.11b/g/n, RP-TNC Jack Connectors | 230.00 | 218.50 | 207.00 | CALL |
| HA2402GX-NF | 63 | 2 Watt, 802.11b/g/n, Type N Female Connectors | 280.00 | 266.00 | 252.00 | CALL |

| | | | | | | |
|--------------|----|---|---------|---------|---------|------|
| HA2403GT-NF | 66 | 3 Watt, 802.11b/g/n, Type N Female Connectors | 695.00 | 660.25 | 625.50 | CALL |
| HA2404GT-NF | 66 | 4 Watt, 802.11b/g/n, Type N Female Connectors | 750.00 | 712.50 | 675.00 | CALL |
| HA2405GT-NF | 66 | 5 Watt, 802.11b/g/n, Type N Female Connectors | 805.00 | 764.75 | 724.50 | CALL |
| HA2406GT-NF | 66 | 6 Watt, 802.11b, Type N Female Connectors | 805.00 | 764.75 | 724.50 | CALL |
| HA2408GT-NF | 66 | 8 Watt, 802.11b, Type N Female Connectors | 855.00 | 812.25 | 769.50 | CALL |
| HA2410GT-KIT | 66 | 10 Watt, 802.11b/g/n, Type N Female Connectors, Includes NEMA Enclosure | 2383.26 | 2264.10 | 2144.93 | CALL |

*These models also available in FCC Certified Amplifier Kits

L-com 2.4 GHz Indoor PoE Amplifiers

L-com's PoE amplifier models feature a built-in Power over Ethernet interface. This allows the amplifier to receive its power by the same Cat5 cable used to pass Data and Power to an additional PoE device. This eliminates the need for an additional DC Injector and coax cable, simplifying installation.

| | | | | | | |
|--------------|----|---|--------|--------|--------|------|
| HA2401GE-250 | 64 | 250 mW, 802.11b/g/n, Type N Female Connectors (Power Supply Not Included) | 195.00 | 185.25 | 175.50 | CALL |
|--------------|----|---|--------|--------|--------|------|

| | | | | | | |
|-----------------|----|--|--------|--------|--------|------|
| HA2401GXE-1000 | 61 | 1 Watt, 802.11b/g/n, Type N Female Connectors (Power Supply Not Included) | 235.00 | 223.25 | 211.50 | CALL |
| HA2401GXE-KIT02 | 61 | 1 Watt, 802.11b/g/n, Type N Female Connectors (Includes Pwr Supply/PoE Injector) | 265.00 | 251.75 | 238.50 | CALL |
| HA2401GXE-2000 | 61 | 2 Watt, 802.11b/g/n, Type N Female Connectors (Power Supply Not Included) | 285.00 | 270.75 | 256.50 | CALL |

| | | | | | | |
|-----------------|----|---|--------|--------|--------|------|
| HA2401RTGE-100* | 64 | 100 mW, 802.11b/g/n, RP-TNC Jack Connectors (Power Supply Not Included) | 180.00 | 171.00 | 162.00 | CALL |
| HA2401RTGE-250* | 64 | 250 mW, 802.11b/g/n, RP-TNC Jack Connectors (Power Supply Not Included) | 190.00 | 180.50 | 171.00 | CALL |

| | | | | | | |
|------------------|----|---|--------|--------|--------|------|
| HA2401RTGXE1000* | 61 | 1 Watt, 802.11b/g/n, RP-TNC Jack Connectors (Power Supply Not Included) | 235.00 | 223.25 | 211.50 | CALL |
|------------------|----|---|--------|--------|--------|------|

*These models also available in FCC Certified Amplifier Kits

Setup an Indoor WiFi Booster

Online Video

L-com.com/Videos/A30

| Item # | Style | Description | 1-9 | 10-24 | 25-99 | 100+ |
|---|-------|--|--------|--------|--------|------|
| L-com 2.4 GHz FCC Certified Amplifier/Booster Kits | | | | | | |
| L-com makes it easy to boost your performance with our 2.4 GHz 802.11b/g FCC certified WiFi amplifier/booster kits. Available to our customers in the USA, these kits can be purchased without any special FCC licenses or FCC forms to fill out. | | | | | | |
| L-com 2.4 GHz FCC Certified Indoor Amplifier Kits/Booster Kits | | | | | | |
| HAKIT-RTGIU-100 | 64 | 100 mW 802.11g, Amplifier Kit, RP-TNC Connectors | 155.00 | 147.25 | 139.50 | CALL |
| HAKIT-RTGIU-250 | 64 | 250 mW 802.11g, Amplifier Kit, RP-TNC Connectors | 165.00 | 156.75 | 148.50 | CALL |
| HAKIT-RTGIU-500 | 64 | 500 mW 802.11g, Amplifier Kit, RP-TNC Connectors | 175.00 | 166.25 | 157.50 | CALL |
| HAKIT-RTGXU-1000 | 61 | 1 Watt 802.11g, Amplifier Kit, RP-TNC Connectors | 205.00 | 194.75 | 184.50 | CALL |

L-com 2.4 GHz FCC Certified Outdoor Amplifier Kits/Booster Kits

| | | | | | | |
|------------------|----|--|--------|--------|--------|------|
| HAKIT-RTGU-100 | 64 | 100 mW 802.11g, Amplifier Kit, RP-TNC Connectors | 175.00 | 166.25 | 157.50 | CALL |
| HAKIT-RTGU-250 | 64 | 250 mW 802.11g, Amplifier Kit, RP-TNC Connectors | 185.00 | 175.75 | 166.50 | CALL |
| HAKIT-RTGU-500 | 64 | 500 mW 802.11g, Amplifier Kit, RP-TNC Connectors | 195.00 | 185.25 | 175.50 | CALL |
| HAKIT-RTGXU-1000 | 63 | 1 Watt 802.11g, Amplifier Kit, RP-TNC Connectors | 230.00 | 218.50 | 207.00 | CALL |

L-com 2.4 GHz FCC Certified Economy Indoor Amplifier/Booster Kits

| | | | | | | |
|-----------------|----|--|--------|--------|--------|------|
| HAKIT-RTMG-100 | 60 | 100 mW 802.11g Indoor Economy Amplifier Kit, RP-TNC Connectors | 130.00 | 123.50 | 117.00 | CALL |
| HAKIT-RTMG-250 | 60 | 250 mW 802.11g Indoor Economy Amplifier Kit, RP-TNC Connectors | 140.00 | 133.00 | 126.00 | CALL |
| HAKIT-RTMG-500 | 60 | 500 mW 802.11g Indoor Economy Amplifier Kit, RP-TNC Connectors | 150.00 | 142.50 | 135.00 | CALL |
| HAKIT-RTMG-1000 | 60 | 1 Watt 802.11b Indoor Economy Amplifier Kit, RP-TNC Connectors | 150.00 | 142.50 | 135.00 | CALL |

L-com 2.4 GHz FCC Certified Indoor PoE Amplifier/Booster Kits

| | | | | | | |
|----------------|----|--|--------|--------|--------|------|
| HAKIT-GE-100 | 65 | 100 mW 802.11g Indoor PoE Amplifier Kit, RP-TNC Connectors | 180.00 | 171.00 | 162.00 | CALL |
| HAKIT-GE-250 | 65 | 250 mW 802.11g Indoor PoE Amplifier Kit, RP-TNC Connectors | 190.00 | 180.50 | 171.00 | CALL |
| HAKIT-GE-500 | 65 | 500 mW 802.11g Indoor PoE Amplifier Kit, RP-TNC Connectors | 200.00 | 190.00 | 180.00 | CALL |
| HAKIT-GXE-1000 | 65 | 1 Watt 802.11b Indoor PoE Amplifier Kit, RP-TNC Connectors | 235.00 | 223.25 | 211.50 | CALL |

L-com FCC Certified Amplifier Kit Accessories

| | | | | | | |
|---------------|---|--|--------|--------|--------|------|
| AXA-RTPRSJ | RP-TNC Plug to RP-SMA Jack Adapter | | 5.00 | 4.60 | 4.20 | CALL |
| CA-RSPRTPCN19 | RP-SMA Plug to RP-TNC Plug Pigtail, 19in (48.3cm), 100-Series Cable | | 16.79 | 15.78 | 14.77 | CALL |
| CA-RSJRTPA002 | RP-SMA Jack to RP-TNC Plug Pigtail, 2.0ft (0.6m), 195-Series Cable | | 17.62 | 15.85 | 14.09 | CALL |
| BPF24-806 | 2.4 GHz 8-Pole Indoor Bandpass Filter, Channel 6 | | 108.75 | 102.22 | 95.70 | CALL |
| BPF24-806A | 2.4 GHz 8-Pole Outdoor Bandpass Filter, Channel 6 | | 152.27 | 143.13 | 133.99 | CALL |

5.8 GHz Bi-Directional Amplifiers

L-com's 5.8 GHz WLAN amplifiers are compatible with IEEE 802.11a/n OFDM radios as well as radios using Direct Sequence or Frequency Hopping Spread Spectrum modulation and can be used for 5.8 GHz UNII, ISM IEEE 802.11a, and MESH wireless network applications.

L-com 5.8 GHz Indoor Amplifiers with Power Supply

| | | | | | | |
|-----------------|----|--|---------|---------|---------|------|
| HA5801I-1000SMA | 65 | 1 Watt, 802.11a/n, Fixed Gain, SMA Female Connectors | 230.00 | 218.50 | 207.00 | CALL |
| HA5803I | 66 | 3 Watt, 802.11a/n, Type N Female Connectors | 1400.00 | 1330.00 | 1260.00 | CALL |

L-com 5.8 GHz Indoor Amplifiers with Power Supply

| | | | | | | |
|--------------|----|---|---------|---------|---------|------|
| HA5801I-1000 | 65 | 1 Watt, 802.11a/n, Fixed Gain, Type N Female Connectors | 280.00 | 266.00 | 252.00 | CALL |
| HA5803 | 66 | 3 Watt, 802.11a/n, Type N Female Connectors | 1450.00 | 1377.50 | 1305.00 | CALL |

L-com 5.8 GHz Outdoor Amplifiers with DC Injector and Power Supply

| | | | | | | |
|-------------|----|---|---------|---------|---------|------|
| HA5801-1000 | 65 | 1 Watt, 802.11a/n, Fixed Gain, Type N Female Connectors | 280.00 | 266.00 | 252.00 | CALL |
| HA5803 | 66 | 3 Watt, 802.11a/n, Type N Female Connectors | 1450.00 | 1377.50 | 1305.00 | CALL |

4.9 GHz Bi-Directional Amplifiers

L-com's 4.9 GHz amplifiers are perfect for use in public safety and homeland security networks. Additionally these 4.9 GHz amplifiers are compatible with OFDM radios as well as radios using Direct Sequence or Frequency Hopping Spread Spectrum modulation.

L-com 4.9 GHz Indoor Amplifier with Power Supply

| | | | | | | |
|---------|----|----------------------------------|---------|---------|---------|------|
| HA4903I | 66 | 3 Watt, Type N Female Connectors | 1710.00 | 1624.50 | 1539.00 | CALL |
|---------|----|----------------------------------|---------|---------|---------|------|

L-com 4.9 GHz Outdoor Amplifier with DC Injector Power Supply

| | | | | | | |
|--------|----|----------------------------------|---------|---------|---------|------|
| HA4903 | 66 | 3 Watt, Type N Female Connectors | 1765.00 | 1676.75 | 1588.50 | CALL |
|--------|----|----------------------------------|---------|---------|---------|------|

900 MHz Bi-Directional Amplifiers

L-com's HA900 series WLAN amplifiers are compatible with 900 MHz wireless LAN equipment including the new generation 2.75 Mbit CCK (Complementary Code Keying) spread spectrum radios.

L-com 900 MHz Indoor Amplifiers with Power Supply

| | | | | | | |
|---------------|----|---|--------|--------|--------|------|
| HA900I-APC500 | 61 | 500 mW, Type N Female Connectors | 335.00 | 318.25 | 301.50 | CALL |
| HA901I-APC | 61 | 1 Watt, Type N Female Connectors | 365.00 | 346.75 | 328.50 | CALL |
| HA903I-APC | 61 | 3 Watt, Type N Female Connectors | 420.00 | 399.00 | 378.00 | CALL |
| HA905I-APC | 66 | 5 Watt, Type N Female Connectors | 490.00 | 465.50 | 441.00 | CALL |
| HA925DX-XXX | 67 | 25 Watt, Type N Female Connectors | 800.00 | 760.00 | 720.00 | CALL |
| HA905I-DM | 66 | 5 Watt, OFDM Compatible, Type N Female Connectors | 700.00 | 665.00 | 630.00 | CALL |

L-com 900 MHz Outdoor Amplifiers with DC Injector and Power Supply

| | | | | | | |
|--------------|----|---|--------|--------|--------|------|
| HA900-APC500 | 63 | 500 mW, Type N Female Connectors | 390.00 | 370.50 | 351.00 | CALL |
| HA901-APC | 63 | 1 Watt, Type N Female Connectors | 420.00 | 399.00 | 378.00 | CALL |
| HA903-APC | 63 | 3 Watt, Type N Female Connectors | 475.00 | 451.25 | 427.50 | CALL |
| HA905-APC | 66 | 5 Watt, Type N Female Connectors | 545.00 | 517.75 | 490.50 | CALL |
| HA905-DM | 66 | 5 Watt, OFDM Compatible, Type N Female Connectors | 750.00 | 712.50 | 675.00 | CALL |



Setup an Outdoor WiFi Booster

Online Video

L-com.com/Videos/A31

"STYLE" refers to type of amplifier in series.



Wireless CPE, Access Points, Adapters

Wireless Networking Tutorial

What is a Wireless Network?

A wireless network is very similar to a wired network, the only thing that's missing are the cables that are used in a wired network that connect PCs and laptops to the switch (or Access Point/CPE/WiFi router in the case of a wireless network). Like wired Ethernet networks, 802.11x based wireless networks communicate via the Internet Protocol (IP). The end result is the same, PC and laptop access to the internet, printers, and servers. Additionally, 802.11 networks provide wireless access for devices such as smart phones and tablets.

Access Point/CPE Overview

An access point or Customer Premise Equipment (CPE) performs the function of connecting wireless users (and other wireless networks) to a wired router or wired WLAN controller. Most modern access points or CPEs can be configured for several modes of operation.

Access Point (AP) Mode:

Allows wireless equipment such as a Smart Phone or Laptop to be connected to a wired network. In this mode the CPE unit is typically connected to a router on a wired network. The CPE unit provides security features that allow only select wireless devices to connect to it.

Wireless Client Mode:

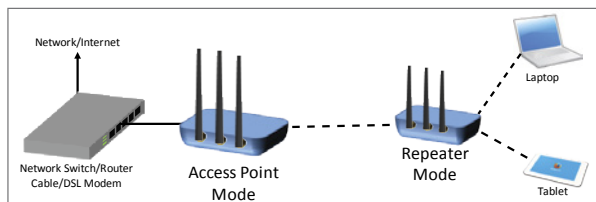
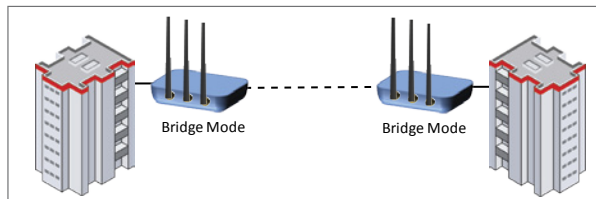
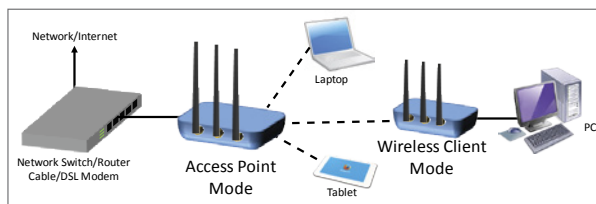
In this mode the CPE unit connects to another active access point as if it were a wireless device like a Laptop. Once connected it can provide network/internet connectivity to wired devices without wireless functionality via the CPE's Ethernet port.

Bridge Mode:

Wireless bridge mode is used to connect two or more network segments that are physically separated. Using the WDS settings, only the selected CPEs can communicate with each other and will deny access to other wireless devices trying to access them. Bridges can be used in Point-to-Point (connecting two commercial buildings) or Point-to Multipoint (connecting multiple buildings on a college campus) applications.

Repeater Mode:

This mode is used to extend the range of an existing access point. This mode is also ideal when an obstruction is preventing wireless connectivity within a select area. Repeaters are commonly used when providing wireless connectivity to multi-story buildings and large homes.



802.11 Wireless Standards

| IEEE Standard | 802.11a | 802.11b | 802.11g | 802.11n | 802.11ac |
|-------------------------|---------|---------|---------|-----------|-----------|
| Year Adopted | 1999 | 1999 | 2003 | 2009 | 2014 |
| Frequency | 5 GHz | 2.4 GHz | 2.4 GHz | 2.4/5 GHz | 5 GHz |
| Max. Data Rate | 54 Mbps | 11 Mbps | 54 Mbps | 600 Mbps | 1 Gbps |
| Typical Range Indoors* | 100 ft. | 100 ft. | 125 ft. | 225 ft. | 90 ft. |
| Typical Range Outdoors* | 400 ft. | 450 ft. | 450 ft. | 825 ft. | 1,000 ft. |

*Range estimates are typical and require line of sight.

Wireless Network Design Resources

L-com offers an online library of wireless network application diagrams to show how our products work together to support various WiFi applications. Additionally we offer free technical design documents and calculators to help you with your wireless network applications.

See more online at L-com.com/resources

| Item # | Description | List Price |
|--------|-------------|------------|
|--------|-------------|------------|

L-com USB Series Wireless Adapter

L-com's USB wireless adapter products are designed for users who require maximum range and performance in their wireless networks. These USB wireless adapters feature RP-SMA Jack antenna ports that allow the user to use included antennas or for even more performance use an optional higher gain antenna available here at L-com. We've got the right USB wireless adapter solution for you.

| | | |
|----------------|---|-------|
| WLAN-LCUSB-01 | L-com USB 2.0 Wireless 802.11g Adapter with 2 dBi Antenna | 21.00 |
| WLAN-LCUSB2458 | L-com USB 2.0 Wireless 802.11a/b/g/n Adapter with 5 dBi Antenna | 42.00 |

L-com Dual Polarity Antenna Kits

L-com's 5.8 GHz ARK series combine a high gain antenna, high power L-com Wireless Access Point/CPE and the required cables into one cost savings package. Customers can enjoy the cost savings of these kits compared to purchasing components separately. Ideal for IEEE 802.11a/n WiFi applications, these 5.8 GHz ARK series kits are the perfect solution for WISP installers.

| | | |
|-----------------|--|--------|
| ARK4958DP-17Y-2 | 17 dBi Yagi Antenna/L-com Outdoor CPE/AP Kit | 233.80 |
| ARK4958DP-25D-2 | 25 dBi Dish Antenna/L-com Outdoor CPE/AP Kit | 210.13 |
| ARK4958DP-30D-2 | 30 dBi Dish Antenna/L-com Outdoor CPE/AP Kit | 233.80 |
| ARK4958DP-34D-2 | 34 dBi Dish Antenna/L-com Outdoor CPE/AP Kit | 352.38 |

| | | |
|-----------------|--|--------|
| ARK5158DP-10U-2 | 10 dBi Omni Antenna/L-com Outdoor CPE/AP Kit | 210.13 |
| ARK5158DP-13U-2 | 13 dBi Omni Antenna/L-com Outdoor CPE/AP Kit | 247.85 |
| ARK5158DP-29D-2 | 28.5 dBi Dish Antenna/L-com Outdoor CPE/AP Kit | 338.37 |
| ARK5158DP-32D-2 | 32 dBi Dish Antenna/L-com Outdoor CPE/AP Kit | 413.81 |

L-com MIMO Antennas with Ubiquiti® RocketM2/M5 Mounting Kits

These ARK Series kits feature L-com MIMO Dual Polarized 2.4 GHz and 5 GHz antennas available in Dish, Omni and Sector models. Included with each antenna is a unique mounting bracket that allows the Ubiquiti RocketM2 or RocketM5 radio to be attached directly to the antenna. Also included are a pair of cable assemblies to connect the Rocket to the antenna. Customers can enjoy the cost saving of these kits compared to purchasing an Ubiquiti antenna to use with the RocketM2 or M5 radio.

| Item # | Description | 1-9 | 10-24 | 25-99 | 100+ |
|--------------|---|--------|--------|--------|------|
| ARK2406DPU-0 | 2.4 GHz 6 dBi Dual Polarized Omni Antenna w/Ubiquiti RocketM2 Mounting Kit | 145.00 | 133.40 | 121.80 | CALL |
| ARK2410DPU-0 | 2.4 GHz 10 dBi Dual Polarized Omni Antenna w/Ubiquiti RocketM2 Mounting Kit | 210.00 | 193.20 | 176.40 | CALL |
| ARK2413DPU-0 | 2.4 GHz 13 dBi Dual Polarized Omni Antenna w/Ubiquiti RocketM2 Mounting Kit | 280.00 | 257.60 | 235.20 | CALL |

| | | | | | |
|-----------------|---|--------|--------|--------|------|
| ARK5158DP-10U-0 | 5 GHz 10 dBi Dual Polarized Omni Antenna w/Ubiquiti RocketM5 Mounting Kit | 161.59 | 151.90 | 142.20 | CALL |
| ARK5158DP-13U-0 | 5 GHz 13 dBi Dual Polarized Omni Antenna w/Ubiquiti RocketM5 Mounting Kit | 210.09 | 197.48 | 184.88 | CALL |

| | | | | | |
|--------------|---|--------|--------|--------|------|
| ARK2422DPD-0 | 2.4 GHz 22 dBi Dual Polarized Dish Antenna w/Ubiquiti RocketM2 Mounting Kit | 178.00 | 163.76 | 149.52 | CALL |
| ARK2425DPD-0 | 2.4 GHz 25 dBi Dual Polarized Dish Antenna w/Ubiquiti RocketM2 Mounting Kit | 313.00 | 287.96 | 262.92 | CALL |

| | | | | | |
|-----------------|---|--------|--------|--------|------|
| ARK5158DP-29D-0 | 5 GHz 29 dBi Dual Polarized Dish Antenna w/Ubiquiti RocketM5 Mounting Kit | 188.53 | 177.22 | 165.91 | CALL |
| ARK4958DP-30D-0 | 5 GHz 30 dBi Dual Polarized Dish Antenna w/Ubiquiti RocketM5 Mounting Kit | 188.53 | 173.45 | 158.37 | CALL |
| ARK5158DP-32D-0 | 5 GHz 32 dBi Dual Polarized Dish Antenna w/Ubiquiti RocketM5 Mounting Kit | 323.24 | 303.85 | 284.45 | CALL |
| ARK4958DP-34D-0 | 5 GHz 34 dBi Dual Polarized Dish Antenna w/Ubiquiti RocketM5 Mounting Kit | 323.24 | 297.38 | 271.52 | CALL |

| | | | | | |
|-----------------|---|--------|--------|--------|------|
| ARK2414DP-090-0 | 2.4 GHz 14 dBi Dual Polarized 90° Sector Antenna w/Ubiquiti RocketM2 Mounting Kit | 218.00 | 200.56 | 183.12 | CALL |
|-----------------|---|--------|--------|--------|------|

| | | | | | |
|--------------------|--|--------|--------|--------|------|
| ARK5158-16DP-120-0 | 5 GHz 16 dBi Dual Polarized 120° Sector Antenna w/Ubiquiti RocketM5 Mounting Kit | 145.43 | 139.61 | 133.79 | CALL |
| ARK4958-17DP-090-0 | 5 GHz 17 dBi Dual Polarized 90° Sector Antenna w/Ubiquiti RocketM5 Mounting Kit | 131.42 | 126.16 | 120.91 | CALL |
| ARK5158-19DP-090-0 | 5 GHz 19 dBi Dual Polarized 90° Sector Antenna w/Ubiquiti RocketM5 Mounting Kit | 193.92 | 186.17 | 178.41 | CALL |

PLANET Access Points/Range Extenders

PLANET Technologies provide a wide range of IP-based networking products and solutions for small-to-medium-sized businesses, enterprises, and SOHO markets.

| Item # | Description | List Price |
|--------|-------------|------------|
|--------|-------------|------------|

PLANET WDAP Series 802.11ac Wireless Access Points

PLANET's WDAP series access points supports IEEE 802.11a/b/g/n/ac dual band standards. These high speed PoE access points are feature packed and easy to setup. Order some today and move up to 802.11ac speeds.

| | | |
|--------------------|---|--------|
| PT-WDAP-1750AC-FCC | PLANET WDAP-1750AC-FCC 1750Mbps Dual Band Wall Mount Enterprise Wireless Access Point | 238.00 |
| PT-WDAP-C7200AC | PLANET WDAP-C7200AC 200Mbps Dual Band Ceiling-Mount Wireless Access Point | 156.00 |
| PT-WDAP-8350 | PLANET WDAP-8350 600Mbps IP66 Rated Outdoor Dual Band CPE | 892.40 |

PLANET CPE/Access Points

Planet's WNAP Outdoor CPE/AP series are designed to provide a highly-stable, better performance and cost-effective wireless solution in outdoor wireless deployment. With the same transmission power, it offers better significant range and excellent throughput than those of the traditional wireless devices. Available in 2.4 GHz 802.11n and 5 GHz 802.11a/n models with or without internal antennas.

| | | |
|--------------|--|--------|
| PT-WNAP-6335 | PLANET 2.4 GHz 300Mbps 802.11n Outdoor Wireless CPE, (2) RP-SMA Connectors | 89.60 |
| PT-WNAP-7325 | PLANET 5 GHz 300Mbps 802.11a/n Outdoor Wireless CPE, Internal 14 dBi Antenna | 124.00 |
| PT-WNAP-7335 | PLANET 5 GHz 300Mbps 802.11a/n Outdoor Wireless CPE, (2) RP-SMA Connectors | 112.00 |

PLANET 802.11ac Range Extender

Planet's WRE-1200, an 802.11ac Dual-band WiFi Range Extender with universal wall plug design, is case-shaped, thus making it easy to install and connects to your router wirelessly. The WRE-1200 supports Gigabit Ethernet connectivity and conforms to IEEE 802.11a/b/g/n/ac Dual Band standard technology; therefore, it can provide a wireless speed of up to 300+867Mbps which is 16x faster than the 11a access point at 5 GHz frequency and 5.5x faster than the 11g access point at 2.4 GHz frequency.

| | | |
|----------------|--|-------|
| PT-WRE-1200-US | PLANET 1200Mbps 802.11ac Dual Band Wall Plug WiFi Range Extender | 57.20 |
|----------------|--|-------|



WLAN-LCUSB-01



WLAN-LCUSB2458



ARK4958DP-17Y-2



ARK5158DP-10U-0

ARK2425DPD-0



ARK5158-19DP-090-0



PT-WDAP-8350



PT-WDAP-1750AC-FCC



PT-WNAP-6335



PT-WRE-1200-US



EN-EUB-1200AC



EN-ECB1200



EN-EAP1200H



EN-EPG600



EN-EPG5000



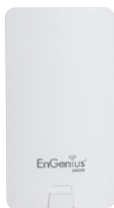
EN-EBK1000



EN-EAP-350



EN-ENH710EXT



EN-ENS202

Item

Description

List Price

EnGenius® 802.11ac Series Access Points/Routers/Bridges/Adapters

With speeds up to 3 times faster than 802.11n, the new IEEE standard 802.11ac provides better performance and quality in wireless communications. The following wireless EnGenius products in this section all feature 802.11ac capability. Be sure to get on the high speed wireless super highway and order an EnGenius 802.11ac radio today.

| | | |
|---------------|---|---------|
| EN-EUB-1200AC | EnGenius EUB1200AC Dual-Band 802.11ac Wireless AC1200 USB Adapter | 85.00 |
| EN-ECB1200 | EnGenius ECB1200 802.11ac 2 x 2 Dual-Band High-Power Access Point/Client Bridge | 279.99 |
| EN-ECB1750 | EnGenius ECB1750 802.11ac 3 x 3 Dual-Band High-Power Access Point/Client Bridge | 449.00 |
| EN-EAP1200H | EnGenius EAP1200H 802.11ac Dual-Band AC1200 Indoor Access Point | 279.99 |
| EN-EAP1750H | EnGenius EAP1750H 802.11ac 3 x 3 Dual-Band Ceiling-Mount Access Point/WDS | 415.00 |
| EN-ENS1200 | EnGenius ENS1200 802.11ac Dual-Band AC1200 Outdoor Access Point | 399.99 |
| EN-ENS1750 | EnGenius ENS1750 802.11ac Dual-Band AC1750 Outdoor Access Point | 499.99 |
| EN-ENH1750EXT | EnGenius ENH1750EXT 802.11ac Hi-Power, Long-Range, Ruggedized 3 x 3 Dual-Band AC1750 Outdoor Access Point | 1035.00 |

EnGenius® Cloud IoT Routers and Gateways

EnGenius Cloud Internet of Things (IoT) Solutions are designed to make your family, your home or your business more secure; the way you communicate effortless and less costly; your music, photos, video and documents safer and quicker to store and retrieve.

| | | |
|------------|---|--------|
| EN-EPG600 | EnGenius EPG600 Intelligent Phone Gateway | 149.99 |
| EN-EPG5000 | EnGenius EPG5000 Dual-Band IoT Intelligent Cloud Gateway | 179.99 |
| EN-ESR300 | EnGenius ESR300 2.4 GHz N300 IoT Cloud Router with Built-in Switch and USB Port | 65.00 |
| EN-ESR600 | EnGenius ESR600 Dual-Band 2.4/5 GHz N600 IoT Gigabit Cloud Router with USB Port | 75.00 |
| EN-EBK1000 | EnGenius EBK1000 EnGuardian Kit with HD720P IP Camera and Dual-Band IoT Gateway | 319.99 |

EnGenius® ECB Series Indoor Access Points

With the quality and functionality expected of an EnGenius product, the ECB series provides up to 800mW of high wireless output power and also adds advanced features such as SNMP management, Wireless Distribution System (WDS), and Power over Ethernet (PoE) capability.

| | | |
|------------|---|--------|
| EN-ECB-300 | EnGenius ECB300 802.11b/g/n Wireless-N, N300 Indoor Access Point/Client Bridge/WDS/Repeater | 105.00 |
| EN-ECB-350 | EnGenius ECB350 802.11b/g/n Wireless-N, N300 Indoor Access Point/Client Bridge/WDS/Repeater | 135.00 |
| EN-ECB-600 | EnGenius ECB600 802.11b/g/n Wireless-N, N600 Indoor Access Point/Client Bridge/WDS/Repeater | 210.00 |

EnGenius® EAP Series Access Points/Repeaters

EAP Series are smoke detector looking Wireless Access Point/Universal Repeaters that operate seamlessly in the 2.4GHz frequency spectrum supporting the 802.11b (2.4GHz, 11Mbps) standard and SuperG 108Mbps high speed feature.

| | | |
|------------|--|--------|
| EN-EAP-300 | EnGenius EAP300 802.11b/g/n 29dBm WDS Bridge, Indoor VLAN Access Point | 105.00 |
| EN-EAP-350 | EnGenius EAP350 800mW, 300Mbps, 802.11b/g/n Indoor Access Point | 125.00 |

EnGenius® EUB Series 802.11b/g High Power USB Adapter

The EnGenius EUB series USB WLAN adapters are designed for users who require maximum range and performance in their wireless networks. The EUB series offers a rich feature set including security features such as WPA and 802.1x.

| | | |
|------------|---|-------|
| EN-EUB-600 | EnGenius EUB600 Dual-Band Wireless N600 USB Adapter | 45.00 |
|------------|---|-------|

EnGenius® ENH Series Outdoor Access Point/Client Bridge

The ENH series Business-Class Long-Range Wireless-N Outdoor Access Point/Client Bridge is an affordable, high-performance, secure wireless networking solution. Designed for outdoor deployments that require secure and robust wireless coverage, the ENH series is a great fit for demanding applications including high-speed IP camera and video streaming applications.

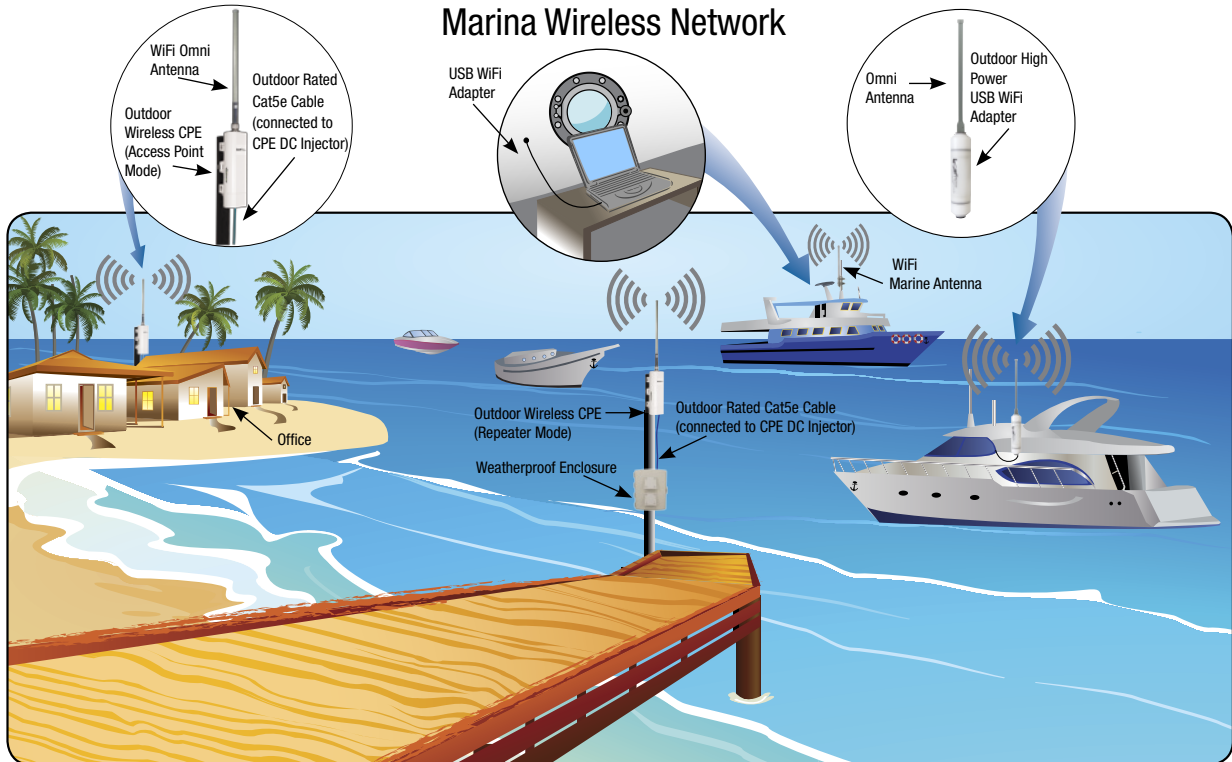
| | | |
|--------------|--|--------|
| EN-ENH202 | EnGenius ENH202 Wireless Outdoor 500mW Long-range Access Point/Client Bridge | 105.00 |
| EN-ENH210 | EnGenius ENH210 802.11n 2.4GHz Wireless Outdoor Access Point/Client Bridge | 280.00 |
| EN-ENH500 | EnGenius ENH500 Long Range 11n 5GHz Wireless Outdoor Access Point/Client Bridge | 105.00 |
| EN-ENH710EXT | EnGenius ENH710EXT High-Powered, Dual Band Ruggedized N600 Outdoor Access Point | 499.00 |
| EN-ENH900EXT | EnGenius ENH900EXT 802.11b/g/n Dual-Band 3 x 3 Ruggedized Outdoor Access Point/Client Bridge | 780.00 |

EnGenius® ENS Series Outdoor Access Point/Client Bridge

The ENS series is a long-range Wireless-N Outdoor Access Point/Client Bridge operating in the 2.4/5 GHz frequency bands at data rates of 300Mbps. ENS high power output of up to 400mW is ideal for high-speed wireless connection for building-to-building deployments or IP security camera wireless applications in parking lots or parking structures.

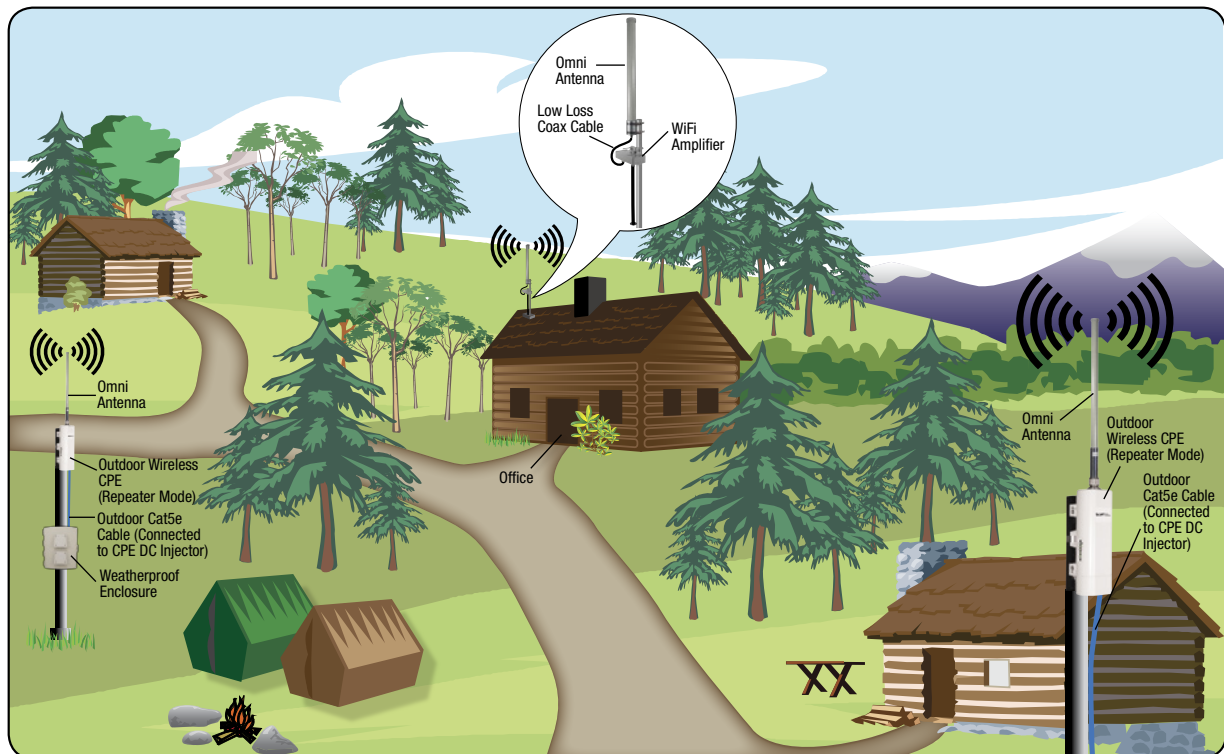
| | | |
|--------------|--|-------|
| EN-ENS202 | EnGenius ENS202 High-Powered, Long-Range 2.4 GHz Wireless N300 Outdoor Client Bridge | 85.00 |
| EN-ENS202EXT | EnGenius ENS202EXT High-Powered, Long-Range 2.4 GHz Wireless N300 Outdoor Access Point | 95.00 |
| EN-ENS500 | EnGenius ENS500 High-Powered, Long-Range 5 GHz Wireless N300 Outdoor Client Bridge | 85.00 |
| EN-ENS500EXT | EnGenius ENS500EXT High-Powered, Long-Range 5 GHz Wireless N300 Outdoor Access Point | 95.00 |

Marina Wireless Network



This diagram is representational only and depicts a typical Marina WiFi application. Each wireless installation is unique and results can vary due to many different environmental factors. For outdoor wireless networks Line of Sight (LOS) must be considered. You will need a clear unobstructed view of the antenna from the remote point in the link. Trees and leaves are obstructions to 802.11 frequencies so they will partially or entirely block the signal.

Campground Wireless Network



This diagram is representational only and depicts a typical campground WiFi application. Each wireless installation is unique and results can vary due to many different environmental factors. For outdoor wireless networks Line of Sight (LOS) must be considered. Basically that means you will need a clear unobstructed view of the antenna from the remote point in the link. Trees and leaves are obstructions to 802.11 frequencies so they will partially or entirely block the signal.



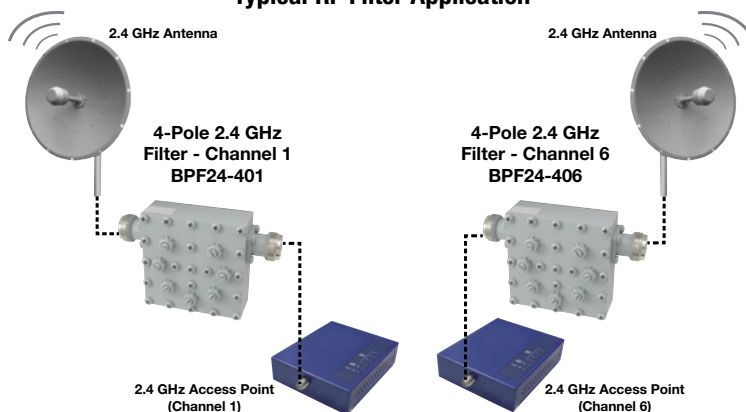
RF Filters/Splitters Tutorial

What are RF Filters?

RF Filters reduce out of band interference and improve performance of co-located equipment. An RF Filter will only pass the signal within the frequency band and channel of interest and reduce the interference of signals outside your channel. Interference is usually caused by transmission sources near the channel you are transmitting on.

L-com's RF Filters are available in full band versions or fixed channel versions and provide excellent adjacent channel rejection. All filters feature rugged aluminum construction and are available for indoor or outdoor applications.

Typical RF Filter Application

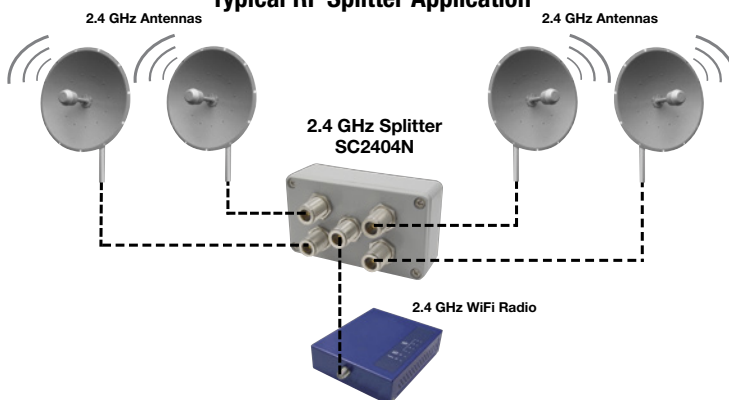


2.4 GHz Bandpass Channel Filter Application

What are RF Splitters/Combiners?

An RF Splitter/Combiner is a transmission component which divides or combine signals between two or more ports. Typically they are used for connecting more than one antenna to a single radio and can also be used to connect multiple radios to a single antenna using the same frequency.

Typical RF Splitter Application

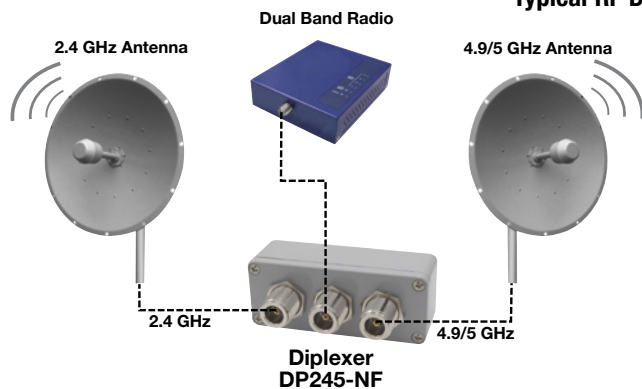


4-Way Signal Splitter Application

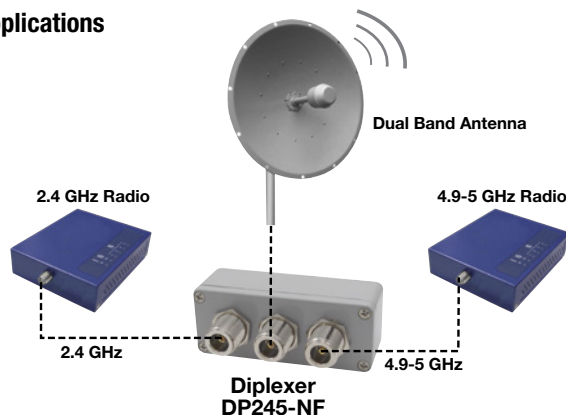
What are RF Diplexers?

An RF Diplexer is a device that combines two signals onto a single transmission line. In general the two signals operate at different frequencies. L-com's Diplexers are designed to split 2.4 GHz and 5 GHz from a single radio feed to separate 2.4 GHz and 5 GHz antennas. Many dual-band 802.11a/b/g radios share a single antenna. These devices split these signals so that two separate 2.4 GHz and 5 GHz antennas can be used to improve performance. In addition, L-com Diplexers can also be used to combine 2.4 GHz or 5 GHz signals onto a single cable.

Typical RF Diplexer Applications



Dual Band Radio Application



Dual Band Antenna Application

| Item # | Style | Description | 1-9 | 10-24 | 25-99 | 100+ |
|--|-------|---------------------------------|-------|-------|-------|------|
| 800-2600 MHz Broadband Signal Splitters | | | | | | |
| SCW02N-1 | 72 | 2-Way, Type N Female Connectors | 99.00 | 93.06 | 87.12 | CALL |
| SCW03N | 72 | 3-Way, Type N Female Connectors | 70.67 | 65.01 | 59.36 | CALL |
| SCW04N | 72 | 4-Way, Type N Female Connectors | 92.43 | 85.03 | 77.64 | CALL |

900 MHz Signal Splitters

| | | | | | | |
|--------|----|---------------------------------|-------|-------|-------|------|
| SC902N | 74 | 2-Way, Type N Female Connectors | 59.79 | 55.00 | 50.22 | CALL |
| SC903N | 74 | 3-Way, Type N Female Connectors | 70.67 | 65.01 | 59.36 | CALL |

2.4 GHz Signal Splitters

| | | | | | | |
|-----------|----|---------------------------------|-------|-------|-------|------|
| SC2402N | 73 | 2-Way, Type N Female Connectors | 59.79 | 55.00 | 50.22 | CALL |
| SC2402RTM | 73 | 2-Way, RP-TNC Jack Connectors | 59.79 | 55.00 | 50.22 | CALL |
| SC2403N | 74 | 3-Way, Type N Female Connectors | 70.67 | 65.01 | 59.36 | CALL |
| SC2403RTM | 74 | 3-Way, RP-TNC Jack Connectors | 70.67 | 65.01 | 59.36 | CALL |
| SC2404N | 74 | 4-Way, Type N Female Connectors | 81.55 | 75.02 | 68.50 | CALL |

3.5 GHz Signal Splitters

| | | | | | | |
|---------|----|---------------------------------|-------|-------|-------|------|
| SC3502N | 73 | 2-Way, Type N Female Connectors | 48.91 | 44.99 | 41.08 | CALL |
| SC3504N | 74 | 4-Way, Type N Female Connectors | 81.55 | 75.02 | 68.50 | CALL |

5.8 GHz Signal Splitters

| | | | | | | |
|---------|----|---------------------------------|--------|--------|--------|------|
| SC5802N | 73 | 2-Way, Type N Female Connectors | 114.19 | 105.05 | 95.92 | CALL |
| SC5804N | 74 | 4-Way, Type N Female Connectors | 184.91 | 170.11 | 155.32 | CALL |

900 MHz Full Band Ultra High Q 4-Pole Indoor and Outdoor Bandpass Filters

L-com's 900 MHz 4-Pole ultra-high Q full band filters are designed for full band applications. By reducing interference outside the 915 MHz band such as from cellular and paging signals, improved performance in noisy environments can be achieved.

| | | | | | | |
|---------|----|----------------------------|--------|--------|--------|------|
| BPF900 | 75 | 4-Pole, Indoor, Full Band | 119.63 | 112.45 | 105.27 | CALL |
| BPF900A | 77 | 4-Pole, Outdoor, Full Band | 179.47 | 168.70 | 157.93 | CALL |

2.4 GHz 802.11b/g Compatible Ultra High Q 4-Pole and 8-Pole WiFi Bandpass Channel Filters

L-com's indoor and outdoor 2.4 GHz ultra-high Q WiFi channel filters are ideal for co-located equipment installations. Available in seven versions for channels 1, 3, 6, 9, 11, 13 and 14, they provide excellent adjacent channel rejection. By reducing interference from both inside and outside the band, improved performance of co-located equipment can be achieved.

2.4 GHz Filters

| | | | | | | |
|------------|----|-----------------------------|--------|--------|--------|------|
| BPF24-401 | 75 | 4-Pole, Indoor, Channel 1 | 85.90 | 80.74 | 75.59 | CALL |
| BPF24-403 | 75 | 4-Pole, Indoor, Channel 3 | 85.90 | 80.74 | 75.59 | CALL |
| BPF24-406 | 75 | 4-Pole, Indoor, Channel 6 | 85.90 | 80.74 | 75.59 | CALL |
| BPF24-409 | 75 | 4-Pole, Indoor, Channel 9 | 85.90 | 80.74 | 75.59 | CALL |
| BPF24-411 | 75 | 4-Pole, Indoor, Channel 11 | 85.90 | 80.74 | 75.59 | CALL |
| BPF24-801 | 76 | 8-Pole, Indoor, Channel 1 | 108.75 | 102.22 | 95.70 | CALL |
| BPF24-801A | 80 | 8-Pole, Outdoor, Channel 1 | 152.27 | 143.13 | 133.99 | CALL |
| BPF24-803 | 76 | 8-Pole, Indoor, Channel 3 | 108.75 | 102.22 | 95.70 | CALL |
| BPF24-806 | 76 | 8-Pole, Indoor, Channel 6 | 108.75 | 102.22 | 95.70 | CALL |
| BPF24-806A | 80 | 8-Pole, Outdoor, Channel 6 | 152.27 | 143.13 | 133.99 | CALL |
| BPF24-809 | 76 | 8-Pole, Indoor, Channel 9 | 108.75 | 102.22 | 95.70 | CALL |
| BPF24-809A | 80 | 8-Pole, Outdoor, Channel 9 | 152.27 | 143.13 | 133.99 | CALL |
| BPF24-811 | 76 | 8-Pole, Indoor, Channel 11 | 108.75 | 102.22 | 95.70 | CALL |
| BPF24-811A | 80 | 8-Pole, Outdoor, Channel 11 | 152.27 | 143.13 | 133.99 | CALL |
| BPF24-813 | 76 | 8-Pole, Indoor, Channel 13 | 108.75 | 102.22 | 95.70 | CALL |
| BPF24-813A | 80 | 8-Pole, Outdoor, Channel 13 | 152.27 | 143.13 | 133.99 | CALL |
| BPF24-814 | 76 | 8-Pole, Indoor, Channel 14 | 108.75 | 102.22 | 95.70 | CALL |
| BPF2400 | 75 | 4-Pole, Indoor, Full Band | 119.63 | 112.45 | 105.27 | CALL |
| BPF2400A | 78 | 4-Pole, Outdoor, Full Band | 179.47 | 168.70 | 157.93 | CALL |

4.9 GHz and 5.8 GHz Full Band Ultra High Q 4-Pole Bandpass Filters

L-com's 4.9 GHz and 5.8 GHz 4-Pole ultra high Q full band channel filters are ideal for co-located equipment installations. These filters are designed for full band applications. By reducing interference outside the respective bands (4900 MHz or 5800 MHz depending on model), improved performance on the co-located equipment can be achieved.

4.9 GHz Filters

| | | | | | | |
|----------|----|-----------------------------------|--------|--------|--------|------|
| BPF4900A | 77 | 4-Pole, Outdoor/Indoor, Full Band | 179.47 | 168.70 | 157.93 | CALL |
|----------|----|-----------------------------------|--------|--------|--------|------|

5.8 GHz Filters

| | | | | | | |
|----------|----|-----------------------------------|--------|--------|--------|------|
| BPF5800A | 77 | 4-Pole, Outdoor/Indoor, Full Band | 179.47 | 168.70 | 157.93 | CALL |
|----------|----|-----------------------------------|--------|--------|--------|------|

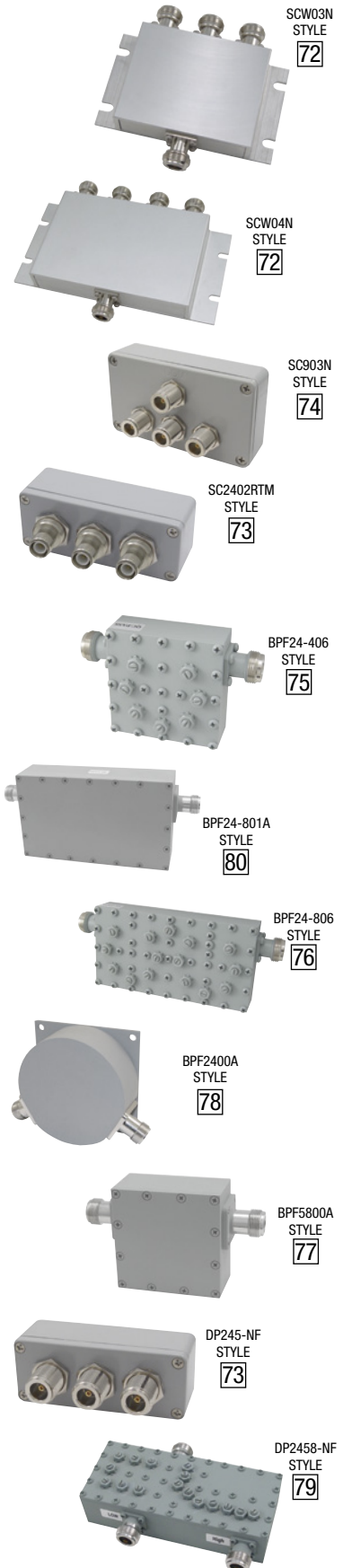
2.4/5 GHz Diplexers

L-com's 2.4/5 GHz diplexers are designed to split 2.4 GHz and 5 GHz from a single radio feed to separate 2.4 GHz and 5 GHz antennas. They can also be used to combine those frequencies into a single cable. Our diplexers are available for indoor and outdoor applications and feature Type N Female connectors.

| | | | | | | |
|-----------|----|--|--------|--------|--------|------|
| DP245-NF | 73 | 2.4/5 GHz, Outdoor, Type N Female Connectors | 59.79 | 55.00 | 50.22 | CALL |
| DP2458-NF | 79 | 2.4/5 GHz, Indoor, Type N Female Connectors | 163.15 | 150.10 | 137.04 | CALL |

Accessories

| | | | | | | |
|--------------|--|--|-------|-------|-------|------|
| ANM-TERM1 | | Type N Male, 50 Ohm Terminator, 0-6 GHz | 9.96 | 9.16 | 8.36 | CALL |
| HGX-PMT14 | | Splitter Mast Mount Kit, 1-1/4" (3.2cm) to 2" (5.1cm) Diameter | 16.00 | 14.72 | 13.44 | CALL |
| HGX-AMOUNT02 | | Splitter Wall/Enclosure Mounting Kit | 13.00 | 11.96 | 10.92 | CALL |



"STYLE" refers to type of enclosure in series.



Weatherproof Industrial Enclosures Tutorial

Ideal for Wired and Wireless Applications

L-com's Weatherproof Industrial Enclosures are ideal for Municipal/State/Federal wired and remote sensor applications (Water Management, Traffic controls,

Utility monitoring stations, etc.); secure WLAN WiFi equipment installations; Industrial Data and Control Systems in factories and manufacturing plants; SCADA applications and field installations; indoor and outdoor or hot and cold temperature environments where equipment and critical systems need power, connectivity, protection and security for the system operator. They are also great for solar powered applications, use in corrosive environments, sub-zero installations for monitoring and reporting, hotspot applications and protection of equipment from theft or

damage. Available with the widest range of enclosure options including heat, cooling and Power over Ethernet interfaces of anyone in the industry. In addition to our standard enclosure products listed below, we can custom manufacture enclosures based on customer requirements for large-scale projects. L-com enclosures offer the quality built, professionally integrated NEMA Enclosures for the systems user with the largest "OFF-THE-SHELF" configured enclosures product offerings of any supplier in the world.

Industrial NEMA Enclosures

Industrial NEMA Enclosures from L-com are extremely configurable to meet your EXACT equipment protection needs.

- With weatherproofing for climate and environmental protection
- For outdoor and indoor applications
- To operate in hot and/or cold temperatures
- With the ability to withstand harsh environments
- To protect electrical and/or electronic equipment
- For wired or wireless technologies
- To deploy and secure equipment
- To deliver power and data to equipment

Many Standard Configurations Available

Starting from simple enclosures to powered enclosures with cooling and heat, L-com makes it easy to find the exact enclosure you need from our standard selection.

L-com Custom Modifications

In most cases, our standard enclosures can be adapted with options or custom modifications to suit a customer's specific need. Below is a sampling of the many alterations that L-com can provide:

- Any number of ports added to the enclosure
- Ports can be of any specific size to accommodate both data and power feeds
- Custom cut-outs for glands, etc.
- Mounting plates and brackets (metallic or non-metallic)
- Pre-wired and/or pre-terminated enclosures
- Temperature controls for setting heating and cooling to maintain a desired temperature
- Custom insulation
- Specific color requirements
- Digital Printing is available on our FRP line of enclosures. www.l-com.com/multimedia/datasheets/DS_DIGITAL-PRINTING.PDF

L-com Enclosure Benefits

Our Industrial NEMA Enclosures are the most flexible and configurable in the industry. Choose from our huge selection of standard sizes and features or we can provide a custom enclosure for you.

- Largest selection of models available
- More options than you'll find elsewhere
- Fiberglass (FRP), plastic ABS and metallic enclosures offered
- Competitively priced for high value/performance ratio
- Quick turn-around time for custom modifications
- Ability to include enclosures as part of a total L-com "Engineered Solution," where other L-com products and engineering services are employed to deliver a product or system solution for your specific application

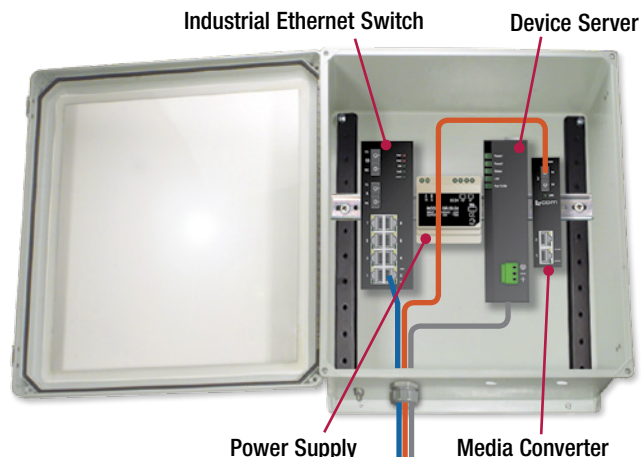
L-com Industrial Enclosures - Designed to Address all your Wired and Wireless Networking Applications

The examples below show just two of the many ways these enclosures can be utilized.

Model: NBW181608-00DR

18x16x8 Inch Windowed Enclosure with DIN Rails

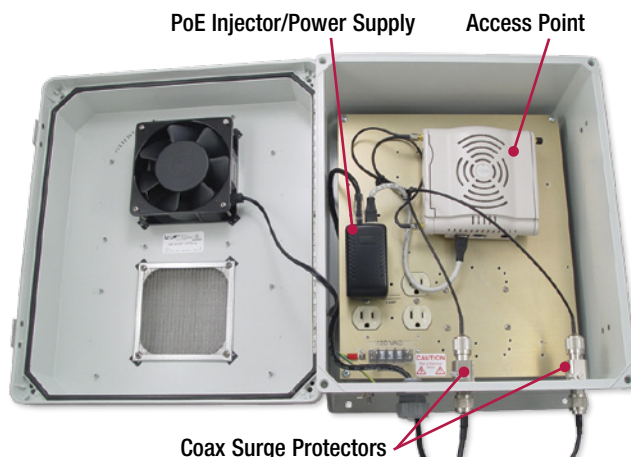
This model features a lid with a Lexan window which provides visibility of the internal equipment inside the enclosure. The DIN rails provide mounting points for DIN mountable equipment, such as the Ethernet equipment shown in this example.



Model: NB141207-10F

14x12x7 Inch Enclosure with Cooling Fan

This model features four standard surge protected 120 VAC outlets and a terminal strip to supply power to internal equipment. The thermostat-controlled cooling fan provides high airflow and allows air to be pushed or pulled through the enclosure. This helps prevent overheating of the internal equipment mounted in the enclosure, such as the wireless Access Point shown in this example.



L-com's NEMA ENCLOSURE

NEMA and weatherproof enclosure products feature ABS, Fiberglass and Steel NEMA rated designs and are available with a wide range of sizes and options including: heat, cooling, AC or DC power, and Power over Ethernet (PoE) interfaces.

| Default Temperature Setting | ON | OFF |
|--|--------------|--------------|
| UL Solid State Fan Controller Temp Range | 93°F / 34°C | 84°F / 29°C |
| UL Model Solid State Heater Controller Temp Range | 16°F / -9°C | 25°F / -4°C |
| PoE & Non-UL Fan only Solid State Fan Controller Temp Range | 90°F / 32°C | 81°F / 27°C |
| Power Saver Model Fan# 2 Solid State Fan Controller Temp Range | 100°F / 38°C | 91°F / 33°C |
| Heater only Solid State Heater Controller Temp Range | 15°F / -10°C | 24°F / -5°C |
| Mechanical Fan Thermostat Controller Temp Range | 120°F / 49°C | 90°F / 32°C |
| Mechanical Heater Thermostat Controller Temp Range | 40°F / 4°C | 60°F / -15°C |

NEMA/IEC

NEMA, (National Electrical Manufacturers Association) and the IEC (International Electrotechnical Commission) are two standards groups, which have devised two different rating systems for enclosures, which define the enclosures resistance to dust, moisture, water immersion and ice. The IEC's rating is referred to as the IP or Ingress Protection rating. The table below outlines NEMA and IEC IP enclosure ratings. This chart only works in one direction from NEMA to IEC. An IP rating only considers protection against ingress of solid foreign objects and ingress of water.

| NEMA enclosure type no. | ENCLOSURE CONSTRUCTION DEFINITIONS | IEC enclosure class |
|-------------------------|--|---------------------|
| 1 | General-purpose. Protects against dust, light and indirect splashing but is not dust-tight; primarily prevents contact with live parts; used indoors and under normal atmospheric conditions. | IP20 |
| 2 | Drip-tight. Similar to Type 1 but with addition of drip shields; used where condensation may be severe (as in cooling rooms and laundries). | IP22 |
| 3 and 3S | Weather-resistant. Protects against weather hazards such as rain and sleet; used outdoors on ship docks, in construction work and in tunnels and subways. | IP54 |
| 3R | Intended for outdoor use. Provides a degree of protection against falling rain and ice formation. Meets rod entry, rain, external icing and rust-resistance design tests. | IP14 |
| 4 and 4X | Watertight (weatherproof). Must exclude at least 65 GPM of water from 1 inch nozzle delivered from a distance not less than 10 ft for 5 minutes. Used outdoors on ship docks, in dairies and in breweries. | IP56 |
| 5 | Dust-tight. Provided with gaskets or equivalent to exclude dust; used in steel mills and cement plants. | IP52 |
| 6 and 6P | Submersible. Design depends on specified conditions of pressure and time; submersible in water; used in quarries, mines and manholes. | IP67 |
| 7 | Hazardous. For indoor use in Class I, Groups A, B, C and D environments as defined in the NEC. | — |
| 8 | Hazardous. For indoor and outdoor use in locations classified as Class I, Groups A, B, C and D as defined in the NEC. | — |
| 9 | Hazardous. For indoor and outdoor use in locations classified as Class II, Groups E, F or G as defined in the NEC. | — |
| 10 | MSHA. Meets the requirements of the Mine Safety and Health Administration, 30 CFR Part 18 (1978). | — |
| 11 | General-purpose. Protects against the corrosive effects of liquids and gases. Meets drip and corrosion-resistance tests. | — |
| 12 and 12K | General-purpose. Intended for indoor use, provides some protection against dust, falling dirt and dripping noncorrosive liquids. Meets drip, dust and rust resistance tests. | IP52 |
| 13 | General-purpose. Primarily used to provide protection against dust, spraying of water, oil and noncorrosive coolants. Meets oil exclusion and rust resistance design tests. | IP54 |

NEMA RATED ENCLOSURES

Standard Enclosure Part Numbering System

The chart to the right is provided as a reference to help you understand L-com's standard enclosure part numbers. From a single number, you can obtain information such as enclosure series, size, power options and enclosure options.

Please note that all option combinations may not be available. Some option combinations may be offered as custom. Please contact our sales team to discuss your requirements.

FOOT NOTES:

1 = Available in NBV Series Enclosures, blank, non-power versions only

2 = Part numbers without Power and Enclosure Options indicate blank non-powered enclosures

3 = Available in NB141207 VAC Powered Series Enclosures only

4 = NB, NBB, NBC, NBG, NBN, NBV and NBW Series Enclosures in blank non-powered configurations are UL Listed

5 = Available in NBG Series Enclosures, blank, non-powered versions only

| ENCLOSURE SERIES | | ENCLOSURE SIZE | | POWER OPTIONS | | ENCLOSURE OPTIONS | |
|------------------|--|----------------|--------------------------|---------------|--|-------------------|------------------------------------|
| CODE | DESCRIPTION | CODE | SIZE (HxWxD Inches) | CODE | OPTIONS | CODE | OPTIONS |
| NB | Gray FRP w/SS Hinge & Latch | 533 | 5 x 3 x 3 ¹ | 0 | Non-Powered | V | Vented |
| NBB | Black FRP w/SS Hinge & Latch | 553 | 5 x 5 x 3 ¹ | 1 | 120 VAC | H | Heater |
| NBC | Gray FRP w/Corner Screws | 554 | 5 x 5 x 4 ¹ | 2 | 240 VAC | F | Cooling Fan(s) |
| NBE | Gray ABS w/ABS Hinge & Latch (Economy Enclosure) | 060604 | 6 x 6 x 4 | 4 | Power-over-Ethernet (PoE) | S | Solid State Heat/Fan Controller |
| NBG | Gray FRP w/FRP Hinge & SS Latch | 733 | 7 x 3 x 3 ¹ | 5 | 12 VDC | D | Dual Fans |
| NBN | Gray FRP w/FRP Hinge & Corner Screw | 753 | 7 x 5 x 3 ¹ | E | Universal Power Outlet | N | Insulated (Sub-Zero Applications) |
| NBP | Gray ABS w/ABS Hinge & Latch | 755 | 7 x 5 x 5 ¹ | KIT | Non-Powered w/Blank Aluminum Plate | AF | PoE 802.3af Compliant |
| NBS | Gray Steel w/SS Hinge & Latch | 773 | 7 x 7 x 3 ¹ | KIT101 | Non-Powered w/Blank Non-Metallic Plate | T | Includes Terminal Block |
| NBV | Gray Valox® w/Non-Metallic Corner Screws | 080604 | 8 x 6 x 4 | | | DR | Includes DIN Mounting Rails |
| NBW | Gray FRP w/SS Hinge & Latch (Windowed Lid) | 100805 | 10 x 8 x 5 | | | UL | UL Listed Enclosure ^{3 4} |
| NBBW | Black FRP w/SS Hinge & Latch (Windowed Lid) | 121005 | 12 x 10 x 5 | | | | |
| KEY | | 121007 | 12 x 10 x 7 | ORDERING KEY | | | |
| | | 141004 | 14 x 10 x 4 | | | | |
| | | 141006 | 14 x 10 x 6 | | | | |
| | | 141206 | 14 x 12 x 6 | | | | |
| | | 141207 | 14 x 12 x 7 | | | | |
| | | 161406 | 16 x 14 x 6 | | | | |
| | | 181608 | 18 x 16 x 8 | | | | |
| | | 201611 | 20 x 16 x 11 | | | | |
| | | 241609 | 24 x 16 x 9 ⁵ | | | | |
| | | | | | | | |

KEY

SS = Stainless Steel

FRP = Fiberglass Reinforced Polyester

ABS = Acrylonitrile Butadiene Styrene

ORDERING KEY

N B N 1 4 1 2 0 7 - 1 H F S

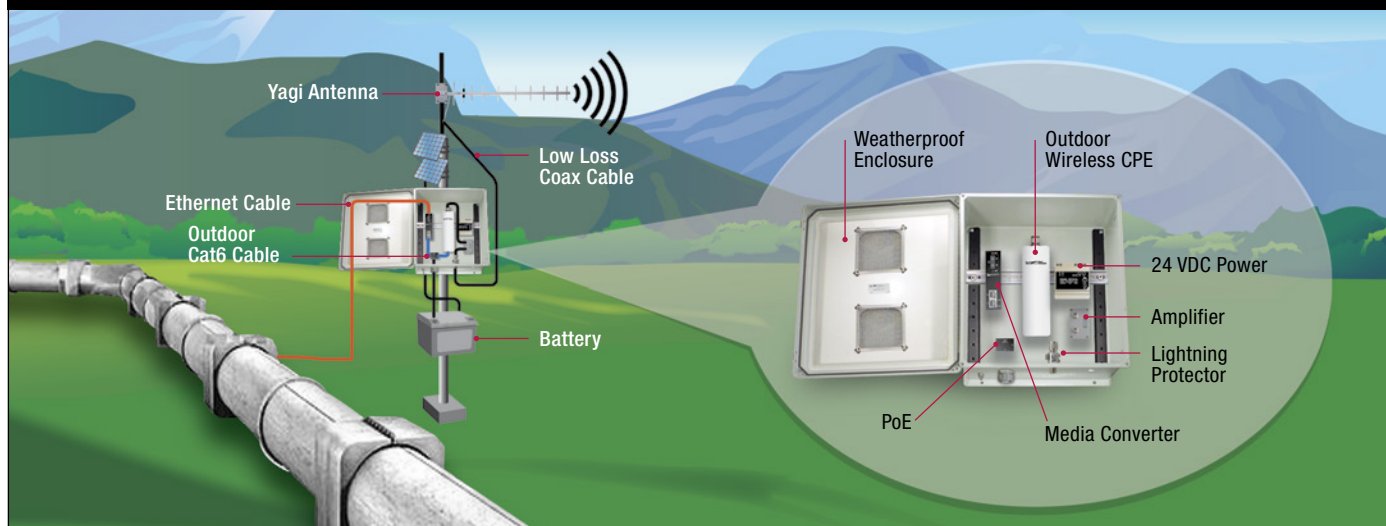
ENCLOSURE SERIES

ENCLOSURE SIZE

POWER OPTIONS²

ENCLOSURE OPTIONS²

SAMPLE WIRELESS APPLICATION FOR AN OIL PIPELINE MONITORING SYSTEM



This illustration represents an outdoor wireless application for an oil pipeline. It includes a weatherproof NEMA enclosure outfitted with wireless CPE, a media converter, PoE, a lightning protector, amplifier and power source. In addition, L-com provides the Yagi antenna and all cable and connectivity.

| Item # | Size | Description | List Price |
|--------|------|-------------|------------|
|--------|------|-------------|------------|

Standard Unmodified Enclosures

L-com's non-powered NEMA rated enclosures are perfect for housing both wired and wireless communications equipment. They are available in Valox®, FRP (Fiberglass Reinforced Polyester), ABS (Plastic) and Carbon Steel.

| | | | |
|------------|-----------|---|--------|
| NBV533 | 5x3x3" | Gray Valox®, Non-Powered, Non-Metallic Enclosure, Removable Cover with Non-Metallic Screws, UL Listed | 40.00 |
| NBV553 | 5x5x3" | Gray Valox®, Non-Powered, Non-Metallic Enclosure, Removable Cover with Non-Metallic Screws, UL Listed | 45.00 |
| NBV554 | 5x5x4" | Gray Valox®, Non-Powered, Non-Metallic Enclosure, Removable Cover with Non-Metallic Screws, UL Listed | 47.00 |
| NBC060604 | 6x6x4" | Gray FRP, Non-Powered, Removable Lid, No Mounting Plate, UL Listed | 85.00 |
| NBN060604 | 6x6x4" | Gray FRP, Non-Powered, Non-Metallic Hinges, No Mounting Plate, UL Listed | 115.00 |
| NBV733 | 7x3x3" | Gray Valox®, Non-Powered, Non-Metallic Enclosure, Removable Cover with Non-Metallic Screws, UL Listed | 55.00 |
| NBV753 | 7x5x3" | Gray Valox®, Non-Powered, Non-Metallic Enclosure, Removable Cover with Non-Metallic Screws, UL Listed | 57.00 |
| NBV755 | 7x5x5" | Gray Valox®, Non-Powered, Non-Metallic Enclosure, Removable Cover with Non-Metallic Screws, UL Listed | 60.00 |
| NBV773 | 7x7x3" | Gray Valox®, Non-Powered, Non-Metallic Enclosure, Removable Cover with Non-Metallic Screws, UL Listed | 65.00 |
| NB080604 | 8x6x4" | Gray FRP, Non-Powered, No Mounting Plate, UL Listed | 85.00 |
| NBC080604 | 8x6x4" | Gray FRP, Non-Powered, Removable Lid, No Mounting Plate, UL Listed | 90.00 |
| NBN080604 | 8x6x4" | Gray FRP, Non-Powered, Non-Metallic Hinges, No Mounting Plate, UL Listed | 120.00 |
| NB100805 | 10x8x5" | Gray FRP, Non-Powered, No Mounting Plate, UL Listed | 90.00 |
| NBB100805 | 10x8x5" | Black FRP, Non-Powered, No Mounting Plate, UL Listed | 105.00 |
| NBC100805 | 10x8x5" | Gray FRP, Non-Powered, Removable Lid, No Mounting Plate, UL Listed | 100.00 |
| NBN100805 | 10x8x5" | Gray FRP, Non-Powered, Non-Metallic Hinges, No Mounting Plate, UL Listed | 125.00 |
| NB121005 | 12x10x5" | Gray FRP, Non-Powered, No Mounting Plate, UL Listed | 95.00 |
| NBB121005 | 12x10x5" | Black FRP, Non-Powered, No Mounting Plate, UL Listed | 140.00 |
| NBC121005 | 12x10x5" | Gray FRP, Non-Powered, Removable Lid, No Mounting Plate, UL Listed | 125.00 |
| NBN121005 | 12x10x5" | Gray FRP, Non-Powered, Non-Metallic Hinges, No Mounting Plate, UL Listed | 140.00 |
| NBW121005 | 12x10x5" | Gray FRP, Non-Powered, Windowed Lid, No Mounting Plate | 145.00 |
| NB121007 | 12x10x7" | Gray FRP, Non-Powered, No Mounting Plate, UL Listed | 114.98 |
| NBC141206 | 14x12x6" | Gray FRP, Non-Powered, Removable Lid, No Mounting Plate, UL Listed | 145.00 |
| NBE141006 | 14x10x6" | Gray ABS, Non-Powered, No Mounting Plate | 45.00 |
| NBN141206 | 14x12x6" | Gray FRP, Non-Powered, Non-Metallic Hinges, No Mounting Plate, UL Listed | 160.00 |
| NBS141206 | 14x12x6" | Gray Carbon Steel, Non-Powered, No Mounting Plate | 215.00 |
| NB141207 | 14x12x7" | Gray FRP, Non-Powered, No Mounting Plate, UL Listed | 108.00 |
| NBB141207 | 14x12x7" | Black FRP, Non-Powered, No Mounting Plate, UL Listed | 150.00 |
| NBW141207 | 14x12x7" | Gray FRP, Windowed Lid, No Mounting Plate | 170.00 |
| NBBW141207 | 14x12x7" | Black FRP, Windowed Lid, No Mounting Plate | 212.00 |
| NB161406 | 16x14x6" | Gray FRP, Non-Powered, No Mounting Plate, UL Listed | 165.00 |
| NBC161406 | 16x14x6" | Gray FRP, Non-Powered, Removable Lid, No Mounting Plate, UL Listed | 170.00 |
| NBN161406 | 16x14x6" | Gray FRP, Non-Powered, Non-Metallic Hinges, No Mounting Plate, UL Listed | 185.00 |
| NB181608 | 18x16x8" | Gray FRP, Non-Powered, No Mounting Plate, UL Listed | 185.00 |
| NBB181608 | 18x16x8" | Black FRP, Non-Powered, No Mounting Plate, UL Listed | 230.00 |
| NBN181608 | 18x16x8" | Gray FRP, Non-Powered, Non-Metallic Hinges, No Mounting Plate, UL Listed | 245.00 |
| NBW181608 | 18x16x8" | Gray FRP, Windowed Lid, No Mounting Plate | 275.00 |
| NB201611 | 20x16x11" | Gray FRP, Non-Powered, No Mounting Plate, UL Listed | 430.00 |
| NBG241609 | 24x16x9" | Gray FRP, Non-Powered, No Mounting Plate, UL Listed | 535.00 |

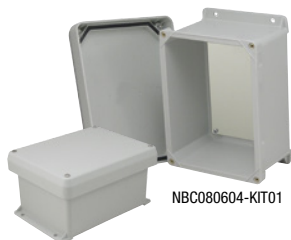
Modified Enclosures With Modified Mounting Plates

| | | | |
|----------------|----------|--|--------|
| NB121005-01 | 12x10x5" | Gray FRP, Non-Powered, Aluminum Mounting Plate | 130.00 |
| NB121005-00V | 12x10x5" | Gray FRP, Non-Powered, Vented Lid, Aluminum Mounting Plate | 145.00 |
| NBC141206-01 | 14x12x6" | Gray FRP, Non-Powered, Removable Lid, Aluminum Mounting Plate | 180.00 |
| NBC141206-00V | 14x12x6" | Gray FRP, Non-Powered, Removable Vented Lid, Aluminum Mounting Plate | 195.00 |
| NB141207-01 | 14x12x7" | Gray FRP, Non-Powered, Aluminum Mounting Plate | 143.00 |
| NB141207-01-UL | 14x12x7" | Gray FRP, Non-Powered, Aluminum Mounting Plate, UL Listed | 195.00 |
| NB141207-00V | 14x12x7" | Gray FRP, Non-Powered, Vented Lid, Aluminum Mounting Plate | 163.00 |
| NB181608-01 | 18x16x8" | Gray FRP, Non-Powered, Aluminum Mounting Plate | 215.00 |
| NB181608-00V | 18x16x8" | Gray FRP, Non-Powered, Vented Lid, Aluminum Mounting Plate | 245.00 |

Modified Enclosures with No Mounting Plates

| | | | |
|--------------|----------|---|--------|
| NB121005-02 | 12x10x5" | Gray FRP, Non-Powered, No Mounting Plate | 105.00 |
| NBC141206-02 | 14x12x6" | Gray FRP, Non-Powered, Removable Lid, No Mounting Plate | 155.00 |
| NB141207-02 | 14x12x7" | Gray FRP, Non-Powered, No Mounting Plate | 118.00 |
| NB141207-03V | 14x12x7" | Gray FRP, Non-Powered, Vented Lid, No Mounting Plate | 138.00 |
| NB181608-02 | 18x16x8" | Gray FRP, Non-Powered, No Mounting Plate | 190.00 |
| NB181608-03V | 18x16x8" | Gray FRP, Non-Powered, Vented Lid, No Mounting Plate | 210.00 |





| Item # | Size | Description | List Price |
|--------|------|-------------|------------|
|--------|------|-------------|------------|

Standard Unmodified Enclosure Kits with Mounting Plates

L-com's non-powered NEMA rated enclosures are perfect for housing both wired and wireless communications equipment. We offer our standard unmodified enclosures as kit options consisting of the base enclosure & a mounting plate. -KIT's consist of a blank aluminum mounting plate and the -KIT01's consist of a non-metallic marine "Starboard" mounting plate that can be screwed into directly without the need for pre-drilling any holes. The kit options are available in FRP (Fiberglass Reinforced Polyester), ABS (Plastic) and Carbon Steel.

| | | | |
|-----------------|--------|---|--------|
| NBC080604-KIT | 6x6x4" | Gray FRP, Non-Powered, Removable Lid, Blank Aluminum Mounting Plate, UL Listed | 100.00 |
| NBC080604-KIT01 | 6x6x4" | Gray FRP, Non-Powered, Removable Lid, Blank Starboard Mounting Plate, UL Listed | 100.00 |
| NBN080604-KIT | 6x6x4" | Gray FRP, Non-Powered, Non-Metallic Hinges, Blank Aluminum Mounting Plate, UL Listed | 130.00 |
| NBN080604-KIT01 | 6x6x4" | Gray FRP, Non-Powered, Non-Metallic Hinges, Blank Starboard Mounting Plate, UL Listed | 130.00 |

| | | | |
|-----------------|--------|---|--------|
| NB080604-KIT | 8x6x4" | Gray FRP, Non-Powered, Blank Aluminum Mounting Plate, UL Listed | 105.00 |
| NB080604-KIT01 | 8x6x4" | Gray FRP, Non-Powered, Blank Starboard Mounting Plate, UL Listed | 105.00 |
| NBC080604-KIT | 8x6x4" | Gray FRP, Non-Powered, Removable Lid, Blank Aluminum Mounting Plate, UL Listed | 105.00 |
| NBC080604-KIT01 | 8x6x4" | Gray FRP, Non-Powered, Removable Lid, Blank Starboard Mounting Plate, UL Listed | 105.00 |
| NBN080604-KIT | 8x6x4" | Gray FRP, Non-Powered, Non-Metallic Hinges, Blank Aluminum Mounting Plate, UL Listed | 135.00 |
| NBN080604-KIT01 | 8x6x4" | Gray FRP, Non-Powered, Non-Metallic Hinges, Blank Starboard Mounting Plate, UL Listed | 135.00 |

| | | | |
|-----------------|---------|---|--------|
| NBC100805-KIT | 10x8x5" | Gray FRP, Non-Powered, Removable Lid, Blank Aluminum Mounting Plate, UL Listed | 120.00 |
| NBC100805-KIT01 | 10x8x5" | Gray FRP, Non-Powered, Removable Lid, Blank Starboard Mounting Plate, UL Listed | 120.00 |
| NB100805-KIT | 10x8x5" | Gray FRP, Non-Powered, Blank Aluminum Mounting Plate, UL Listed | 115.00 |
| NB100805-KIT01 | 10x8x5" | Gray FRP, Non-Powered, Blank Starboard Mounting Plate, UL Listed | 115.00 |
| NBB100805-KIT | 10x8x5" | Black FRP, Non-Powered, Blank Aluminum Mounting Plate, UL Listed | 125.00 |
| NBB100805-KIT01 | 10x8x5" | Black FRP, Non-Powered, Blank Starboard Mounting Plate, UL Listed | 125.00 |
| NBN100805-KIT | 10x8x5" | Gray FRP, Non-Powered, Non-Metallic Hinges, Blank Aluminum Mounting Plate, UL Listed | 145.00 |
| NBN100805-KIT01 | 10x8x5" | Gray FRP, Non-Powered, Non-Metallic Hinges, Blank Starboard Mounting Plate, UL Listed | 145.00 |

| | | | |
|-----------------|----------|---|--------|
| NB121005-KIT | 12x10x5" | Gray FRP, Non-Powered, Blank Aluminum Mounting Plate | 120.00 |
| NB121005-KIT01 | 12x10x5" | Gray FRP, Non-Powered, Blank Starboard Mounting Plate | 120.00 |
| NBB121005-KIT | 12x10x5" | Black FRP, Non-Powered, Blank Aluminum Mounting Plate, UL Listed | 160.00 |
| NBB121005-KIT01 | 12x10x5" | Black FRP, Non-Powered, Blank Starboard Mounting Plate, UL Listed | 160.00 |
| NBC121005-KIT | 12x10x5" | Gray FRP, Non-Powered, Removable Lid, Blank Aluminum Mounting Plate, UL Listed | 140.00 |
| NBC121005-KIT01 | 12x10x5" | Gray FRP, Non-Powered, Removable Lid, Blank Starboard Mounting Plate, UL Listed | 140.00 |
| NBN121005-KIT | 12x10x5" | Gray FRP, Non-Powered, Non-Metallic Hinges, Blank Aluminum Mounting Plate, UL Listed | 155.00 |
| NBN121005-KIT01 | 12x10x5" | Gray FRP, Non-Powered, Non-Metallic Hinges, Blank Starboard Mounting Plate, UL Listed | 155.00 |
| NBW121005-KIT | 12x10x5" | Gray FRP, Windowed Lid, Blank Aluminum Mounting Plate | 160.00 |
| NBW121005-KIT01 | 12x10x5" | Gray FRP, Windowed Lid, Blank Starboard Mounting Plate | 170.00 |

| | | | |
|-----------------|----------|---|-------|
| NBE141006-KIT | 14x10x6" | Gray ABS, Non-Powered, Blank Aluminum Mounting Plate | 60.00 |
| NBE141006-KIT01 | 14x10x6" | Gray ABS, Non-Powered, Blank Starboard Mounting Plate | 70.00 |
| NBE141006-KIT03 | 14x10x6" | Gray ABS, Non-Powered, Blank Universal Mounting Plate | 50.00 |

| | | | |
|-----------------|----------|---|--------|
| NBC141206-KIT | 14x12x6" | Gray FRP, Non-Powered, Removable Lid, Blank Aluminum Mounting Plate, UL Listed | 165.00 |
| NBC141206-KIT01 | 14x12x6" | Gray FRP, Non-Powered, Removable Lid, Blank Starboard Mounting Plate, UL Listed | 175.00 |
| NBN141206-KIT | 14x12x6" | Gray FRP, Non-Powered, Non-Metallic Hinges, Blank Aluminum Mounting Plate, UL Listed | 180.00 |
| NBN141206-KIT01 | 14x12x6" | Gray FRP, Non-Powered, Non-Metallic Hinges, Blank Starboard Mounting Plate, UL Listed | 180.00 |

| | | | |
|-----------------|----------|---|--------|
| NB141207-KIT | 14x12x7" | Gray FRP, Non-Powered, Blank Aluminum Mounting Plate | 128.00 |
| NB141207-KIT01 | 14x12x7" | Gray FRP, Non-Powered, Blank Starboard Mounting Plate | 138.00 |
| NBB141207-KIT | 14x12x7" | Black FRP, Non-Powered, Blank Aluminum Mounting Plate, UL Listed | 170.00 |
| NBB141207-KIT01 | 14x12x7" | Black FRP, Non-Powered, Blank Starboard Mounting Plate, UL Listed | 170.00 |
| NBN141207-KIT | 14x12x7" | Gray FRP, Windowed Lid, Blank Aluminum Mounting Plate | 190.00 |
| NBN141207-KIT01 | 14x12x7" | Gray FRP, Windowed Lid, Blank Starboard Mounting Plate | 190.00 |
| NBBW141207-KIT | 14x12x7" | Black FRP, Windowed Lid, Blank Aluminum Mounting Plate | 232.00 |

| | | | |
|-----------------|----------|---|--------|
| NB161406-KIT | 16x14x6" | Gray FRP, Non-Powered, Blank Aluminum Mounting Plate, UL Listed | 195.00 |
| NB161406-KIT01 | 16x14x6" | Gray FRP, Non-Powered, Blank Starboard Mounting Plate, UL Listed | 195.00 |
| NBC161406-KIT | 16x14x6" | Gray FRP, Non-Powered, Removable Lid, Blank Aluminum Mounting Plate, UL Listed | 200.00 |
| NBC161406-KIT01 | 16x14x6" | Gray FRP, Non-Powered, Removable Lid, Blank Starboard Mounting Plate, UL Listed | 200.00 |
| NBN161406-KIT | 16x14x6" | Gray FRP, Non-Powered, Non-Metallic Hinges, Blank Aluminum Mounting Plate, UL Listed | 215.00 |
| NBN161406-KIT01 | 16x14x6" | Gray FRP, Non-Powered, Non-Metallic Hinges, Blank Starboard Mounting Plate, UL Listed | 215.00 |

| | | | |
|-----------------|----------|---|--------|
| NB181608-KIT | 18x16x8" | Gray FRP, Non-Powered, Blank Aluminum Mounting Plate | 210.00 |
| NB181608-KIT01 | 18x16x8" | Gray FRP, Non-Powered, Blank Starboard Mounting Plate | 210.00 |
| NBB181608-KIT | 18x16x8" | Black FRP, Non-Powered, Blank Aluminum Mounting Plate, UL Listed | 247.00 |
| NBB181608-KIT01 | 18x16x8" | Black FRP, Non-Powered, Blank Starboard Mounting Plate, UL Listed | 247.00 |
| NBN181608-KIT | 18x16x8" | Gray FRP, Non-Powered, Non-Metallic Hinges, Blank Aluminum Mounting Plate, UL Listed | 275.00 |
| NBN181608-KIT01 | 18x16x8" | Gray FRP, Non-Powered, Non-Metallic Hinges, Blank Starboard Mounting Plate, UL Listed | 275.00 |
| NBW181608-KIT | 18x16x8" | Gray FRP, Windowed Lid, Blank Aluminum Mounting Plate | 300.00 |
| NBW181608-KIT01 | 18x16x8" | Gray FRP, Windowed Lid, Blank Starboard Mounting Plate | 305.00 |

| | | | |
|----------------|-----------|---|--------|
| NB201611-KIT | 20x16x11" | Gray FRP, Non-Powered, Blank Aluminum Mounting Plate | 460.00 |
| NB201611-KIT01 | 20x16x11" | Gray FRP, Non-Powered, Blank Starboard Mounting Plate | 460.00 |

| | | | |
|-----------------|----------|--|--------|
| NBG241609-KIT | 24x16x9" | Gray FRP, Non-Powered, Blank Aluminum Mounting Plate | 585.00 |
| NBG241609-KIT01 | 24x16x9" | Gray FRP, Non-Powered, Blank Starboard Mounting Plate | 585.00 |
| NBG241609-KIT02 | 24x16x9" | Gray FRP, Non-Powered, Aluminum Mounting Plate and Front Swing Plate | 740.00 |

| Item # | Size | Description | List Price |
|--------|------|-------------|------------|
|--------|------|-------------|------------|

120VAC Powered Enclosures

L-com's brand of NEMA rated enclosures are perfect for housing both wired and wireless equipment. We offer a wide selection of enclosures set up to be used for 120VAC power applications.

| | | | |
|------------------|-----------|---|--------|
| NB121005-100 | 12x10x5" | Gray FRP, 120 VAC, Aluminum Mounting Plate | 175.00 |
| NBP141004-100 | 14x10x4" | Gray ABS, 120 VAC Outlet, Hook & Loop Mounting Pad | 55.00 |
| NBP141004-100-4 | 14x10x4" | Gray ABS, 120 VAC Outlet, Hook & Loop Mounting Pad, 4 Pack | 190.00 |
| NBE141006-100 | 14x10x6" | Gray ABS, 120 VAC, Aluminum Mounting Plate | 125.00 |
| NBC141206-100 | 14x12x6" | Gray FRP, Removable Lid, 120 VAC, Aluminum Mounting Plate | 230.00 |
| NBS141206-100 | 14x12x6" | Gray Carbon Steel, 120 VAC, Aluminum Mounting Plate | 305.00 |
| NB141207-100 | 14x12x7" | Gray FRP, 120 VAC, Aluminum Mounting Plate | 200.00 |
| NB141207-100T | 14x12x7" | Gray FRP, 120 VAC, with Terminal Block Installed | 155.00 |
| NB141207-100T-UL | 14x12x7" | Gray FRP, 120 VAC, with Terminal Block Installed, UL Listed | 210.00 |
| NB141207-100-UL | 14x12x7" | Gray FRP, 120 VAC, UL Listed | 295.00 |
| NBB141207-100 | 14x12x7" | Black FRP, 120 VAC, Aluminum Mounting Plate | 235.00 |
| NBW141207-100 | 14x12x7" | Gray FRP, Windowed Lid, 120 VAC, Duplex Power Outlets | 255.00 |
| NB181608-100 | 18x16x8" | Gray FRP, 120 VAC, Aluminum Mounting Plate | 290.00 |
| NBB181608-100 | 18x16x8" | Black FRP, 120 VAC, Aluminum Mounting Plate | 322.00 |
| NBW181608-100 | 18x16x8" | Gray FRP, Windowed Lid, 120 VAC, Aluminum Mounting Plate | 370.00 |
| NB201611-100 | 20x16x11" | Gray FRP, 120 VAC, Aluminum Mounting Plate | 525.00 |

120VAC Vented/Passive Cooled Enclosures

L-com's brand of NEMA rated enclosures are perfect for housing both wired and wireless equipment. In addition to 120 VAC Power we have vented versions available to provide passive cooling.

| | | | |
|----------------|-----------|---|--------|
| NB121005-10V | 12x10x5" | Gray FRP, 120 VAC, Aluminum Mounting Plate, Vented Lid | 195.00 |
| NBP141004-10V | 14x10x4" | Gray ABS, 120 VAC, Outlet, hook & loop mounting pad, Vented Lid, No Rain Shields | 90.00 |
| NBP141004-10VW | 14x10x4" | Gray ABS, 120 VAC, Outlet, hook & loop mounting pad, Vented Lid With Rain Shields | 105.00 |
| NBE141006-10V | 14x10x6" | Gray ABS, 120 VAC, Aluminum Mounting Plate, Vented Lid | 155.00 |
| NBC141206-10V | 14x12x6" | Gray FRP, 120 VAC, Aluminum Mounting Plate, Removable Vented Lid | 248.00 |
| NB141207-10V | 14x12x7" | Gray FRP, 120 VAC, Aluminum Mounting Plate, Vented Lid | 215.00 |
| NBB141207-10V | 14x12x7" | Black FRP, 120 VAC, Aluminum Mounting Plate, Vented Lid | 249.00 |
| NB181608-10V | 18x16x8" | Gray FRP, 120 VAC, Aluminum Mounting Plate, Vented Lid | 305.00 |
| NBB181608-10V | 18x16x8" | Black FRP, 120 VAC, Aluminum Mounting Plate, Vented Lid | 337.00 |
| NB201611-10V | 20x16x11" | Gray FRP, 120 VAC, Aluminum Mounting Plate, Vented Lid | 540.00 |

120VAC Active Cooled Enclosure

L-com's brand of NEMA rated enclosures are perfect for housing both wired and wireless equipment. In addition to providing 120VAC Power and venting, we also offer active cooling versions with Mechanical Thermostat Controlled or Solid State Controlled Cooling Fan(s).

| | | | |
|------------------|-----------|---|--------|
| NB121005-10F | 12x10x5" | Gray FRP, 120 VAC, Aluminum Mounting Plate, Cooling Fan | 205.00 |
| NB121005-10F-1 | 12x10x5" | Gray FRP, 120 VAC, Aluminum Mounting Plate, Cooling Fan (85° fan turn-on) | 197.70 |
| NBP141004-10F | 14x10x4" | Gray ABS, 120 VAC, Outlet, Hook & Loop Mounting Pad, Cooling Fan, No Rain Shields | 110.00 |
| NBP141004-10FW | 14x10x4" | Gray ABS, 120 VAC, Outlet, Hook & Loop Mounting Pad, Cooling Fan, With Rain Shields | 120.00 |
| NBE141006-10F | 14x10x6" | Gray ABS, 120 VAC, Outlet, Hook & Loop Mounting Pad, Cooling Fan | 165.00 |
| NB141207-10F | 14x12x7" | Gray FRP, 120 VAC, Aluminum Mounting Plate, Cooling Fan | 230.00 |
| NB141207-10F-1 | 14x12x7" | Gray FRP, 120 VAC, Aluminum Mounting Plate, Cooling Fan (85° fan turn-on) | 223.00 |
| NBB141207-10F | 14x12x7" | Black FRP, 120 VAC, Aluminum Mounting Plate, Cooling Fan | 275.00 |
| NB141207-10FS | 14x12x7" | Gray FRP, 120 VAC, Aluminum Mounting Plate, Solid State Controlled Cooling Fan | 255.00 |
| NB141207-10FS-UL | 14x12x7" | Gray FRP, 120 VAC, Aluminum Mounting Plate, Solid State Controlled Cooling Fan, UL Listed | 310.00 |
| NBB141207-10FS | 14x12x7" | Black FRP, 120 VAC, Aluminum Mounting Plate, Solid State Controlled Cooling Fan | 290.00 |
| NB141207-10FSD | 14x12x7" | Gray FRP, 120 VAC, Aluminum Mounting Plate, Dual Solid State Controlled Cooling Fans | 265.00 |
| NB181608-10F | 18x16x8" | Gray FRP, 120 VAC, Aluminum Mounting Plate, Dual Cooling Fans | 340.00 |
| NB181608-10F-1 | 18x16x8" | Gray FRP, 120 VAC, Aluminum Mounting Plate, Dual Cooling Fans (85° fan turn-on) | 340.00 |
| NBB181608-10F | 18x16x8" | Black FRP, 120 VAC, Aluminum Mounting Plate, Dual Cooling Fans | 372.00 |
| NB181608-10FS | 18x16x8" | Gray FRP, 120 VAC, Aluminum Mounting Plate, Dual Solid State Controlled Cooling Fans | 360.00 |
| NBB181608-10FS | 18x16x8" | Black FRP, 120 VAC, Aluminum Mounting Plate, Solid State Controlled Dual Cooling Fans | 392.00 |
| NB181608-10FSX | 18x16x8" | Gray FRP, 120 VAC, Aluminum Mounting Plate, Dual Individually Controlled Cooling Fans w/Solid State Controllers | 370.00 |
| NB201611-10F | 20x16x11" | Gray FRP, 120 VAC, Aluminum Mounting Plate, Dual Cooling Fans | 575.00 |
| NB201611-10F-1 | 20x16x11" | Gray FRP, 120 VAC, Aluminum Mounting Plate, Dual Cooling Fans (85° fan turn-on) | 575.00 |
| NB201611-10FS | 20x16x11" | Gray FRP, 120 VAC, Aluminum Mounting Plate, Dual Solid State Controlled Cooling Fans | 615.00 |



NBC141206-100



NBB141207-100



NBC141206-10V



NB121005-10F-1



NBP141004-10F



NBB181608-10FS



NB201611-10F-1



NBC141206-1H0



NBW181608-1H0



NBB141207-1HFS



NB201611-1HF-1



NB141207-E0F



NBP141004-40VW



NB141207-4HON

| Item # | Size | Description | List Price |
|--|----------|--|------------|
| 120VAC Heated Enclosures | | | |
| L-com's brand of NEMA rated enclosures are perfect for housing both wired and wireless equipment. In addition to providing 120VAC Power we also offer Heated versions with Mechanical Thermostat Controlled or Solid State Controlled Heaters. | | | |
| NB121005-1H0 | 12x10x5" | Gray FRP, 120 VAC, Aluminum Mounting Plate, Heated | 195.00 |

| | | | |
|---------------|----------|---|--------|
| NBC141206-1H0 | 14x12x6" | Gray FRP, Removable Lid, 120 VAC, Aluminum Mounting Plate, Heated | 250.00 |
| NBS141206-1H0 | 14x12x6" | Gray Carbon Steel, 120 VAC, Aluminum Mounting Plate, Heated | 360.00 |

| | | | |
|---------------|----------|---|--------|
| NB141207-1H0 | 14x12x7" | Gray FRP, 120 VAC, Aluminum Mounting Plate, Heated | 220.00 |
| NBB141207-1H0 | 14x12x7" | Black FRP, 120 VAC, Aluminum Mounting Plate, Heated | 255.00 |
| NBW141207-1H0 | 14x12x7" | Gray FRP, Windowed Lid, 120 VAC, Aluminum Mounting Plate, Heated | 275.00 |
| NB141207-1H0S | 14x12x7" | Gray FRP, 120 VAC, Aluminum Mounting Plate, Solid State Controlled Heater | 250.00 |

| | | | |
|---------------|----------|---|--------|
| NB181608-1H0 | 18x16x8" | Gray FRP, 120 VAC, Aluminum Mounting Plate, Heated | 325.00 |
| NBB181608-1H0 | 18x16x8" | Black FRP, 120 VAC, Aluminum Mounting Plate, Heated | 357.00 |
| NBW181608-1H0 | 18x16x8" | Gray FRP, Windowed Lid, 120 VAC, Aluminum Mounting Plate, Heated | 400.00 |
| NB181608-1H0S | 18x16x8" | Gray FRP, 120 VAC, Aluminum Mounting Plate, Solid State Controlled Heater | 355.00 |

| | | | |
|--------------|-----------|--|--------|
| NB201611-1H0 | 20x16x11" | Gray FRP, 120 VAC, Aluminum Mounting Plate, Heated | 560.00 |
|--------------|-----------|--|--------|

120VAC Heated & Cooled Enclosures

| | | | |
|----------------|----------|---|--------|
| NB121005-1HF | 12x10x5" | Gray FRP, 120 VAC, Aluminum Mounting Plate, Heat/Cooling Fan | 225.00 |
| NB121005-1HF-1 | 12x10x5" | Gray FRP, 120 VAC, Aluminum Mounting Plate, Heat/Cooling Fan (85° fan turn-on) | 217.70 |
| NB121005-1HFS | 12x10x5" | Gray FRP, 120 VAC, Aluminum Mounting Plate, Solid State Controlled Heat/Cooling Fan | 270.00 |

| | | | |
|------------------|----------|--|--------|
| NB141207-1HF | 14x12x7" | Gray FRP, 120 VAC, Aluminum Mounting Plate, Heat/Cooling Fan | 250.00 |
| NB141207-1HF-1 | 14x12x7" | Gray FRP, 120 VAC, Aluminum Mounting Plate, Heat/Cooling Fan (85° fan turn-on) | 250.00 |
| NB141207-1HFA | 14x12x7" | Gray FRP, 120 VAC, Aluminum Mounting Plate, Heat/Cooling Fan (User Adjustable) | 395.00 |
| NBB141207-1HF | 14x12x7" | Black FRP, 120 VAC, Aluminum Mounting Plate, Heat/Cooling Fan | 285.00 |
| NB141207-1HFS | 14x12x7" | Gray FRP, 120 VAC, Aluminum Mounting Plate, Solid State Controlled Heat/Cooling Fan | 295.00 |
| NB141207-1HFS-UL | 14x12x7" | Gray FRP, 120 VAC, Aluminum Mounting Plate, Solid State Controlled Heat/Cooling Fan, UL Listed | 355.00 |
| NBB141207-1HFS | 14x12x7" | Black FRP, 120 VAC, Aluminum Mounting Plate, Solid State Controlled Heat/Cooling Fan | 330.00 |

| | | | |
|----------------|----------|--|--------|
| NB181608-1HF | 18x16x8" | Gray FRP, 120 VAC, Aluminum Mounting Plate, Heat/Dual Cooling Fans | 380.00 |
| NB181608-1HF-1 | 18x16x8" | Gray FRP, 120 VAC, Aluminum Mounting Plate, Heat/Dual Cooling Fans (85° fan turn-on) | 380.00 |
| NB181608-1HFA | 18x16x8" | Gray FRP, 120 VAC, Aluminum Mounting Plate, Heat/Dual Cooling Fans (User Adjustable) | 500.00 |
| NBB181608-1HF | 18x16x8" | Black FRP, 120 VAC, Aluminum Mounting Plate, Heat/Dual Cooling Fans | 412.00 |
| NB181608-1HFS | 18x16x8" | Gray FRP, 120 VAC, Aluminum Mounting Plate, Solid State Controlled Heat/Dual Cooling Fans | 400.00 |
| NBB181608-1HFS | 18x16x8" | Black FRP, 120 VAC, Aluminum Mounting Plate, Solid State Controlled Heat/Dual Cooling Fans | 445.00 |

| | | | |
|----------------|-----------|---|--------|
| NB201611-1HF | 20x16x11" | Gray FRP, 120 VAC, Aluminum Mounting Plate, Heat/Dual Cooling Fans | 615.00 |
| NB201611-1HF-1 | 20x16x11" | Gray FRP, 120 VAC, Aluminum Mounting Plate, Heat/Dual Cooling Fans (85° fan turn-on) | 615.00 |
| NB201611-1HFA | 20x16x11" | Gray FRP, 120 VAC, Aluminum Mounting Plate, Heat/Dual Cooling Fans (User Adjustable) | 755.00 |
| NB201611-1HFS | 20x16x11" | Gray FRP, 120 VAC, Aluminum Mounting Plate, Solid State Controlled Heat/Dual Cooling Fans | 635.00 |

Universal AC Powered/Heated/Cooled Enclosures

L-com offers an extensive selection of AC powered NEMA rated Industrial Weatherproof Enclosures in addition to our standard 120VAC enclosures we also offer these versions with a Universal 120-240VAC outlet installed to provide flexibility when installing.

| | | | |
|--------------|----------|---|--------|
| NB141207-E00 | 14x12x7" | Gray FRP, 120-240 VAC, Universal Outlet Aluminum Mounting Plate | 210.00 |
| NB141207-E0V | 14x12x7" | Gray FRP, 120-240 VAC, Universal Outlet Aluminum Mounting Plate, Vented Lid | 235.00 |
| NB141207-E0F | 14x12x7" | Gray FRP, 120-240 VAC, Universal Outlet Aluminum Mounting Plate, Cooling Fan | 240.00 |
| NB141207-EH0 | 14x12x7" | Gray FRP, 200-240 VAC, Universal Outlet Aluminum Mounting Plate, Heated | 235.00 |
| NB141207-EHF | 14x12x7" | Gray FRP, 200-240 VAC, Universal Outlet Aluminum Mounting Plate, Heat & Cooling Fan | 265.00 |

| | | | |
|--------------|----------|---|--------|
| NB181608-E00 | 18x16x8" | Gray FRP, 120-240 VAC, Universal Outlet Aluminum Mounting Plate | 300.00 |
| NB181608-E0V | 18x16x8" | Gray FRP, 120-240 VAC, Universal Outlet Aluminum Mounting Plate, Vented Lid | 325.00 |
| NB181608-E0F | 18x16x8" | Gray FRP, 120-240 VAC, Universal Outlet Aluminum Mounting Plate, Vented Lid, Dual Cooling Fans | 395.00 |
| NB181608-EH0 | 18x16x8" | Gray FRP, 200-240 VAC, Universal Outlet Aluminum Mounting Plate, Heated | 345.00 |
| NB181608-EHF | 18x16x8" | Gray FRP, 200-240 VAC, Universal Outlet Aluminum Mounting Plate, Vented Lid, Heat & Dual Cooling Fans | 410.00 |

240VAC Powered Enclosures

Specially designed for 240 Volt applications, the L-com NEMA enclosures are perfect for use with 240 Volt communications and control equipment.

| | | | |
|--------------|----------|--|--------|
| NB141207-20F | 14x12x7" | Gray FRP, 240 VAC, Terminal Block Aluminum Mounting Plate, Cooling Fan | 210.00 |
| NB141207-2H0 | 14x12x7" | Gray FRP, 240 VAC, Terminal Block Aluminum Mounting Plate, Heated | 220.00 |
| NB141207-2HF | 14x12x7" | Gray FRP, 240 VAC, Terminal Block Aluminum Mounting Plate, Heated, Cooling Fan | 240.00 |

| | | | |
|--------------|----------|--|--------|
| NB181608-20F | 18x16x8" | Gray FRP, 240 VAC, Terminal Block Aluminum Mounting Plate, Dual Cooling Fans | 335.00 |
| NB181608-2H0 | 18x16x8" | Gray FRP, 240 VAC, Terminal Block Aluminum Mounting Plate, Heated | 290.00 |
| NB181608-2HF | 18x16x8" | Gray FRP, 240 VAC, Terminal Block Aluminum Mounting Plate, Heated, Dual Cooling Fans | 380.00 |

PoE Enclosures

These enclosures feature an integrated Power-over-Ethernet (PoE) interface making them ideal for use with PoE enabled devices.

| | | | |
|----------------|----------|---|--------|
| NBP141004-40V | 14x10x4" | Gray ABS, PoE Interface, Hook & Loop Mounting Pad, Vented Lid (No Rain Shields) | 90.00 |
| NBP141004-40VW | 14x10x4" | Gray ABS, PoE Interface, Hook & Loop Mounting Pad, Vented Lid (With Rain Shields) | 105.00 |
| NBP141004-40F | 14x10x4" | Gray ABS, PoE Interface, Hook & Loop Mounting Pad, Cooling Fan, No Rain Shields | 140.00 |
| NBP141004-40FW | 14x10x4" | Gray ABS, PoE Interface, Hook & Loop Mounting Pad, Cooling Fan, With Rain Shields | 150.00 |

| | | | |
|-----------------|----------|--|--------|
| NB141207-400 | 14x12x7" | Gray FRP, 802.3af Compatible PoE Interface Aluminum Mounting Plate, Cat5 Surge Protection | 195.00 |
| NB141207-40V | 14x12x7" | Gray FRP, 802.3af Compatible PoE Interface Aluminum Mounting Plate, Cat5 Surge Protection, Vented Lid | 215.00 |
| NB141207-40F | 14x12x7" | Gray FRP, PoE Interface Aluminum Mounting Plate, Cooling Fan | 220.00 |
| NB141207-40FAF | 14x12x7" | Gray FRP, 802.3af Compatible PoE Interface Aluminum Mounting Plate, Cooling Fan | 235.00 |
| NB141207-40FS | 14x12x7" | Gray FRP, PoE Interface Aluminum Mounting Plate, Solid State Controlled Cooling Fan | 250.00 |
| NB141207-40FSAF | 14x12x7" | Gray FRP, 802.3af Compatible PoE Interface Aluminum Mounting Plate, Solid State Controlled Cooling Fan | 265.00 |
| NB141207-4HON | 14x12x7" | Gray FRP, PoE Interface Aluminum Mounting Plate, Sub-zero Insulated Enclosure, Heated | 340.00 |

| | | | |
|-----------------|----------|--|--------|
| NB181608-400 | 18x16x8" | Gray FRP, 802.3af Compatible Aluminum Mounting Plate, Cat5 Surge Protection | 285.00 |
| NB181608-40V | 18x16x8" | Gray FRP, 802.3af Compatible Aluminum Mounting Plate, Cat5 Surge Protection, Vented Lid | 305.00 |
| NB181608-40F | 18x16x8" | Gray FRP, Aluminum Mounting Plate, Dual Cooling Fans | 325.00 |
| NB181608-40FAF | 18x16x8" | Gray FRP, 802.3af Compatible Aluminum Mounting Plate, Dual Cooling Fans | 340.00 |
| NB181608-40FS | 18x16x8" | Gray FRP, Aluminum Mounting Plate, Dual Solid State Controlled Cooling Fans | 360.00 |
| NB181608-40FSAF | 18x16x8" | Gray FRP, 802.3af Compatible Aluminum Mounting Plate, Dual Solid State Controlled Cooling Fans | 370.00 |

| Item # | Size | Description | List Price |
|--------|------|-------------|------------|
|--------|------|-------------|------------|

DIN Rail Mount Enclosures

L-com offers an extensive selection of NEMA rated Industrial Weatherproof Enclosures enclosures including versions with Aluminum mounting rails which allow you to install our Pre-cut DIN 3 Mounting Rails (See DIN-35-NBxx accessories below).

| | | | |
|-----------------|----------|---|--------|
| NB121005-000DR | 12x10x5" | Gray FRP, Aluminum Mounting Rails | 135.00 |
| NB141207-000DR | 14x12x7" | Gray FRP, Aluminum Mounting Rails | 148.00 |
| NB141207-00VDR | 14x12x7" | Gray FRP, Vented Lid, Aluminum Mounting Rails | 200.00 |
| NBW141207-000DR | 14x12x7" | Gray FRP, Windowed Lid, Aluminum Mounting Rails | 205.00 |



NB141207-00VDR

| | | | |
|-----------------|----------|---|--------|
| NB181608-000DR | 18x16x8" | Gray FRP, Aluminum Mounting Rails | 230.00 |
| NB181608-00VDR | 18x16x8" | Gray FRP, Vented Lid, Aluminum Mounting Rails | 285.00 |
| NBW181608-000DR | 18x16x8" | Gray FRP, Windowed Lid, Aluminum Mounting Rails | 315.00 |

12VDC Powered Enclosures

| | | | |
|--------------|----------|--|--------|
| NB141207-500 | 14x12x7" | Gray FRP, 12 VDC Terminal Block Aluminum Mounting Plate | 160.00 |
| NB141207-50V | 14x12x7" | Gray FRP, 12 VDC Terminal Block Aluminum Mounting Plate, Vented Lid | 175.00 |
| NB141207-50F | 14x12x7" | Gray FRP, 12 VDC Terminal Block Aluminum Mounting Plate, Cooling Fan | 215.00 |



NB181608-50F

Steel Industrial Enclosures

| | | | |
|---------------|----------|---|--------|
| NBS141206 | 14x12x6" | Gray Carbon Steel, No Mounting Plate | 215.00 |
| NBS141206-100 | 14x12x6" | Gray Carbon Steel, 120 VAC Aluminum Mounting Plate, Aluminum Mounting Plate | 305.00 |
| NBS141206-1H0 | 14x12x6" | Gray Carbon Steel, 120 VAC Aluminum Mounting Plate, Heated | 360.00 |

Weatherproof NEMA 4X Enclosure w/Back and Front Mounting Plate

| | | | |
|-----------------|----------|--|--------|
| NBG241609-KIT02 | 24x16x9" | Gray FRP, Non-Powered, Aluminum Mounting Plate and Front Swing Plate | 740.00 |
|-----------------|----------|--|--------|

Windowed Industrial Enclosures

| | | | |
|-----------------|----------|--|--------|
| NBW121005 | 12x10x5" | Gray FRP, Windowed Lid, No Mounting Plate | 145.00 |
| NBW121005-KIT | 12x10x5" | Gray FRP, Windowed Lid, Blank Aluminum Mounting Plate | 160.00 |
| NBW121005-KIT01 | 12x10x5" | Gray FRP, Windowed Lid, Blank Starboard Mounting Plate | 170.00 |



NBW121005

| | | | |
|-----------------|----------|--|--------|
| NBW141207 | 14x12x7" | Gray FRP, Windowed Lid, No Mounting Plate | 170.00 |
| NBW141207-KIT | 14x12x7" | Gray FRP, Windowed Lid, Blank Aluminum Mounting Plate | 190.00 |
| NBW141207-KIT01 | 14x12x7" | Gray FRP, Windowed Lid, Blank Starboard Mounting Plate | 190.00 |
| NBW141207-100 | 14x12x7" | Gray FRP, Windowed Lid, 120 VAC, Aluminum Mounting Plate | 255.00 |
| NBW141207-1H0 | 14x12x7" | Gray FRP, Windowed Lid, 120 VAC, Aluminum Mounting Plate, Heated | 275.00 |
| NBW141207-000DR | 14x12x7" | Gray FRP, Windowed Lid, Aluminum Mounting Rails | 205.00 |
| NBBW141207 | 14x12x7" | Black FRP, Windowed Lid, No Mounting Plate | 212.00 |
| NBBW141207-KIT | 14x12x7" | Black FRP, Windowed Lid, Blank Aluminum Mounting Plate | 232.00 |



NBBW141207-KIT

| | | | |
|-----------------|----------|--|--------|
| NBW181608 | 18x16x8" | Gray FRP, Windowed Lid, No Mounting Plate | 275.00 |
| NBW181608-KIT | 18x16x8" | Gray FRP, Windowed Lid, Blank Aluminum Mounting Plate | 300.00 |
| NBW181608-KIT01 | 18x16x8" | Gray FRP, Windowed Lid, Blank Starboard Mounting Plate | 305.00 |
| NBW181608-100 | 18x16x8" | Gray FRP, Windowed Lid, 120 VAC, Aluminum Mounting Plate | 370.00 |
| NBW181608-1H0 | 18x16x8" | Gray FRP, Windowed Lid, 120 VAC, Aluminum Mounting Plate, Heated | 400.00 |
| NBW181608-000DR | 18x16x8" | Gray FRP, Windowed Lid, Aluminum Mounting Rails | 315.00 |

NID (Network Interface Device) Enclosure

| | | | |
|-----------|--------|---|-------|
| NID331-11 | 3x3x1" | Gray Polycarbonate NID Enclosure with One Brass Post and Cable Grommetted Opening | 9.00 |
| NID342-22 | 3x4x2" | Gray Polycarbonate NID Enclosure with Two Brass Posts and Two Cable Grommetted Openings | 12.00 |



NID331-11

Enclosure Mounting Plates, Mounting Brackets and Accessories

| | | |
|---------------|---|-------|
| HGX-AMOUNT02 | Mounting Bracket for Amplifiers, PoE Products, Power Supplies | 13.00 |
| HGX-LPMOUNT01 | ALQ2-MNMF Surge Protector Mounting Bracket | 6.25 |
| HGX-MMOUNT01 | Ratchet Style Marine Antenna Mount | 16.00 |

| | | |
|--------------|---|-------|
| HGX-NPLATE01 | Blank Aluminum Mounting Plate, for NB141207 Series Enclosure | 24.00 |
| HGX-NPLATE08 | Blank Non-Metallic Mounting Plate for NB141207 Series Enclosure | 24.00 |
| HGX-NPLATE09 | Blank Non-Metallic Mounting Plate for NB181608 Series Enclosure | 36.00 |
| HGX-NPLATE14 | Blank Aluminum Mounting Plate for NB241609 Series Enclosure | 72.00 |
| HGX-NPLATE15 | Blank Non-Metallic Mounting Plate for NB2401609 Series Enclosure | 72.00 |
| HGX-NPLATE20 | Blank Aluminum Mounting Plate for NBE141006/NB121005 Series Enclosure | 18.00 |
| HGX-NPLATE21 | Blank Non-Metallic Mounting Plate for NBE141006/NB121005 Series Enclosure | 30.00 |
| HGX-NPLATE22 | Blank Aluminum Mounting Plate for NB080604 Series Enclosure | 24.00 |
| HGX-NPLATE23 | Blank Non-Metallic Mounting Plate for NB080604 Series Enclosure | 24.00 |
| HGX-NPLATE24 | Blank Aluminum Mounting Plate for NB100805 Series Enclosure | 28.00 |
| HGX-NPLATE25 | Blank Non-Metallic Mounting Plate for NB100805 Series Enclosure | 28.00 |
| HGX-NPLATE26 | Blank Aluminum Mounting Plate for NB161406 Series Enclosure | 32.00 |
| HGX-NPLATE27 | Blank Non-Metallic Mounting Plate for NB161406 Series Enclosure | 32.00 |

| | | |
|-------------|-----------------------------------|------|
| DIN-35-NB12 | 35mm DIN Rail for NB12 Enclosures | 2.85 |
| DIN-35-NB14 | 35mm DIN Rail for NB14 Enclosures | 3.37 |
| DIN-35-NB18 | 35mm DIN Rail for NB18 Enclosures | 3.37 |

Universal Pole Mounting Kit

| | | |
|-----------|---|-------|
| HGX-PMT13 | Universal Pole Mounting Kit, 3" to 4" Diameter Poles | 48.00 |
| HGX-PMT16 | Universal Pole Mounting Kit, 1.25" to 2" Diameter Poles | 46.00 |
| HGX-PMT17 | Universal Pole Mounting Kit NBP141004, 3" to 12" Diameter Poles | 44.00 |
| HGX-PMT28 | Universal Pole Mounting Kit, 4" to 7" Diameter Poles | 57.00 |
| HGX-PMT29 | Universal Pole Mounting Kit, 7" to 9" Diameter Poles | 57.00 |
| HGX-PMT30 | Universal Pole Mounting Kit, 9" to 11" Diameter Poles | 57.00 |

DIN-35-NB12
DIN-35-NB14
DIN-35-NB18

HGX-PMT16

HGX-PMT28

PoE Enclosure Accessory

| | | |
|--------------|--|---------|
| BT-CAT5-NB12 | 12-Port Rack Mount DC Injector for NB141207-4H0N Series Enclosures | 2025.00 |
|--------------|--|---------|



BT-CAT5-NB12



Lightning/Surge Protectors Tutorial

What are Lightning and Surge Protectors?

Lightning and surge protectors are devices whose purpose is to eliminate transients on a conductor which are induced by nearby lightning activity. They are used to prevent damage to valuable electronic equipment from these high-voltage surges and spikes.

How are Lightning and Surge Protectors used?

A lightning and surge protector is used inline between devices such as antennas and amplifiers and radios or between connections on Ethernet switches and routers. They are connected via copper cabling (Coaxial, UTP etc.).

Where are Lightning and Surge Protectors used?

Lightning and surge protectors are used in many different applications including outdoor wireless networks, indoor Ethernet network installations and in any instance where the potential for a power surge could damage or destroy communications equipment.



Don't let lightning destroy your network!

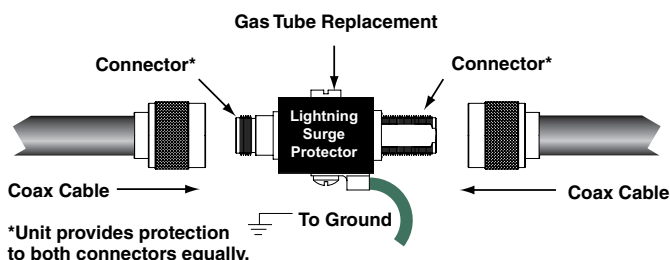
A single bolt of lightning carrying up to 100 million volts of electricity has the power to rip through roofs, explode brick walls and destroy electronic networking/communications equipment as well as industrial equipment. Don't be fooled into a false sense of security if you never receive direct strikes. Indirect lightning strikes on telephone and power lines can be just as catastrophic! Protect your valuable communications equipment with L-com's surge protectors.

Coaxial Lightning and Surge Protectors

L-com's coaxial lightning and surge protectors are available in two types, Quarter Wave and Gas Discharge models.

Quarter Wave coaxial protectors are designed to pass the desired frequency while suppressing lightning surges, much like a signal filter. Lightning strike electrical surges which operate at low frequencies are diverted through the protector's short-circuit to the ground.

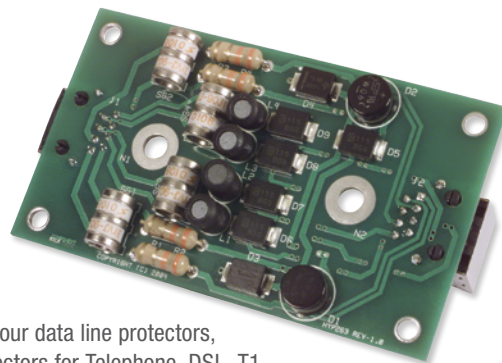
Gas Discharge coaxial protectors are a type of lightning arrestor which employs a replaceable gas discharge tube, which is a component containing a small amount of gas. The gas tube dumps extremely high amounts of surge energy directly to the ground of the protector. L-com coaxial lightning protectors are available for 0-3 GHz operation or 0-6 GHz operation.



Data Line Lightning and Surge Protectors

The use of surge protectors to protect sensitive equipment from lightning strikes and surges on Ethernet data lines has become more important than ever with the advent of faster standards like 100 and 1000 Base-T Ethernet. The faster data speeds have required equipment manufacturers to use fragile high speed components.

Designed for Cat5, Cat5e and Cat6 applications, L-com's data line protectors are available in different power levels. From low power models for typical hub or client installations to high-power, 3-stage protectors designed for maximum surge protection.

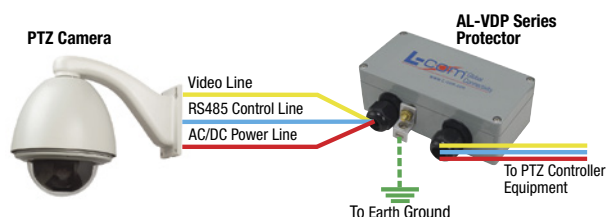


In addition to our data line protectors, we offer protectors for Telephone, DSL, T1, RS422/485, RS232, 4-20 mA Current Loop, AC/DC and Video applications.

Three Stage Data Line Protector

Weatherproof Analog Pan-Tilt-Zoom (PTZ) Video Camera Lightning and Surge Protectors

Outdoor video security equipment is often mounted on top of buildings and light poles, areas more vulnerable to lightning strikes. This can damage not only the video cameras, but the controllers as well. The AL-VDP series is designed to provide lightning and surge protection for analog PTZ video cameras. These protectors incorporate individual protection circuits for the analog video line, RS485 control line and AC/DC power lines.



Grounding Note:

Proper grounding of lightning and surge protectors is required to ensure proper operation. Connecting the ground lug on the protectors to an earth ground is the recommended method. Please refer to the National Electric Code (or your local codes) for additional information or contact a licensed electrician for assistance.

| Item # | Power Rating | Description | 1-9 | 10-24 | 25-99 | 100+ |
|--------|--------------|-------------|-----|-------|-------|------|
|--------|--------------|-------------|-----|-------|-------|------|

L-com Data Line Lightning and Surge Protectors

L-com's Cat5/5e/6 lightning protectors are designed to protect expensive wired and wireless 10/100 and 10/100/1000 Base-T Ethernet systems. These robust lightning protectors are also great to use in Power over Ethernet (PoE) camera installations.

Category 5 Data Line 10/100 Base-T Protectors

| | | | | | | |
|---------------|-------|---|--------|--------|--------|------|
| HGLN-CAT5-2 | ✓ | Indoor, Shielded RJ45 | 44.13 | 41.48 | 38.83 | CALL |
| AL-CAT5VW-1 | ✓ | Weather Resistant, RJ45 | 43.05 | 40.47 | 37.89 | CALL |
| HGLN-CAT5J | ✓✓✓ | Indoor, Shielded RJ45 | 43.05 | 40.47 | 37.89 | CALL |
| HGLND-CAT5J | ✓✓✓✓ | Indoor DIN Mount, Shielded RJ45 | 48.44 | 45.53 | 42.63 | CALL |
| CMSP-CAT5-2 | ✓✓✓✓ | Indoor Wall Mount, 2-Port, Shielded RJ45 | 53.83 | 49.52 | 45.22 | CALL |
| CMSP-CAT5-4 | ✓✓✓✓ | Indoor Wall Mount, 4-Port, Shielded RJ45 | 96.93 | 89.18 | 81.42 | CALL |
| CMSP-CAT5-8 | ✓✓✓✓ | Indoor Wall Mount, 8-Port, Shielded RJ45 | 161.59 | 155.13 | 148.67 | CALL |
| AL-CAT5JW | ✓✓✓✓ | Weather Resistant, RJ45 | 37.66 | 35.40 | 33.14 | CALL |
| AL-CAT5SJW | ✓✓✓✓ | Weather Resistant, Shielded RJ45 | 39.82 | 37.43 | 35.04 | CALL |
| AL-CAT5PW | ✓✓✓✓ | Weather Resistant, Punch Down Terminal Block | 37.66 | 35.40 | 33.14 | CALL |
| AL-CAT5SW | ✓✓✓✓ | Weather Resistant, Screw Terminal Block | 37.66 | 35.40 | 33.14 | CALL |
| AL-CAT5W | ✓✓✓✓✓ | Weatherproof, RJ45/Screw Terminal Block | 53.83 | 50.60 | 47.37 | CALL |
| ALS-CAT5W | ✓✓✓✓✓ | Compact Weatherproof, Shielded RJ45 | 53.83 | 50.60 | 47.37 | CALL |
| AL-CAT5W-4 | ✓✓✓✓✓ | Weatherproof, 4-Port, Shielded RJ45 | 134.65 | 126.57 | 118.49 | CALL |
| HGLN-CAT5-HP | ✓✓✓✓✓ | Indoor, High Power, Shielded RJ45 | 69.99 | 65.79 | 61.59 | CALL |
| HGLND-CAT5-HP | ✓✓✓✓✓ | Indoor DIN Mount, High Power, Shielded RJ45 | 77.54 | 72.88 | 68.23 | CALL |
| AL-CAT5HPJW | ✓✓✓✓✓ | Weather Resistant, High Power, Shielded RJ45 | 59.22 | 55.66 | 52.11 | CALL |
| AL-CAT5HPW | ✓✓✓✓✓ | Weatherproof, High Power, Shielded RJ45 | 75.38 | 70.86 | 66.34 | CALL |
| ALW-CAT5HPJ | ✓✓✓✓✓ | Weatherproof Metal Enclosure, High Power, Shielded RJ45 | 82.92 | 76.29 | 69.66 | CALL |
| AL-CAT5HPW-4 | ✓✓✓✓✓ | Weatherproof, 4-Port, High Power, Screw Terminal Block | 215.48 | 202.55 | 189.62 | CALL |

Category 5e Data Line 10/100 Base-T Protectors

| | | | | | | |
|---------------|------|--|-------|-------|-------|------|
| AL-CAT5EW | ✓✓ | Weatherproof, Screw Terminal Block | 48.44 | 45.53 | 42.63 | CALL |
| HGLN-CAT5EJW | ✓✓✓✓ | Indoor, Shielded RJ45 | 53.83 | 50.60 | 47.37 | CALL |
| HGLND-CAT5EJW | ✓✓✓✓ | Indoor DIN Mount, Shielded RJ45 | 59.22 | 55.66 | 52.11 | CALL |
| AL-CAT5EPW | ✓✓✓✓ | Weather Resistant, Punch Down Terminals | 48.44 | 45.53 | 42.63 | CALL |
| AL-CAT5EJW | ✓✓✓✓ | Weather Resistant, Shielded RJ45 | 48.44 | 45.53 | 42.63 | CALL |
| ALS-CAT5EJWP | ✓✓✓✓ | Compact Weatherproof, Shielded RJ45 | 67.84 | 63.77 | 59.70 | CALL |
| ALW-CAT5EJ | ✓✓✓✓ | Weatherproof Metal Enclosure, Shielded RJ45 | 75.38 | 69.35 | 63.32 | CALL |
| ALW-CAT5EP | ✓✓✓✓ | Weatherproof Metal Enclosure, Punch Down Terminals | 75.38 | 69.35 | 63.32 | CALL |
| AL-CAT5EHPW | ✓✓✓✓ | Weatherproof, High Power, Screw Terminal Block | 74.30 | 69.85 | 65.39 | CALL |

Category 6 Data Line 10/100/1000 Base-T Protectors

| | | | | | | |
|---------------|-------|--|--------|--------|--------|------|
| HGLN-CAT6 | ✓ | Indoor, Shielded RJ45 | 48.44 | 45.53 | 42.63 | CALL |
| HGLN-CAT6J | ✓✓ | Indoor, Shielded RJ45, PoE Compatible | 48.44 | 45.53 | 42.63 | CALL |
| HGLND-CAT6J | ✓✓ | Indoor DIN Mount, Shielded RJ45 | 53.83 | 50.60 | 47.37 | CALL |
| CMSP-CAT6-2 | ✓✓ | Indoor Wall Mount, 2-Port, Shielded RJ45 | 75.38 | 69.35 | 63.32 | CALL |
| CMSP-CAT6-4 | ✓✓ | Indoor, 4-Port, Shielded RJ45 | 107.71 | 99.09 | 90.48 | CALL |
| AL-CAT6JW | ✓✓ | Weather Resistant, RJ45 | 39.82 | 37.43 | 35.04 | CALL |
| AL-CAT6PW | ✓✓ | Weather Resistant, Punch Down Terminal Block | 39.82 | 37.43 | 35.04 | CALL |
| AL-CAT6W | ✓✓ | Weatherproof, Screw Terminal Block | 59.22 | 55.66 | 52.11 | CALL |
| HGLND-CAT6-HP | ✓✓✓✓ | Indoor DIN Mount, High Power, Shielded RJ45 | 79.69 | 74.91 | 70.13 | CALL |
| HGLN-CAT6-HP | ✓✓✓✓ | Indoor, High Power, Shielded RJ45 | 74.30 | 69.85 | 65.39 | CALL |
| AL-CAT6HPJW | ✓✓✓✓ | Weather Resistant, High Power, Shielded RJ45 | 62.45 | 58.70 | 54.96 | CALL |
| ALS-CAT6HPW | ✓✓✓✓ | Compact Weatherproof, High Power, Shielded RJ45 | 75.38 | 70.86 | 66.34 | CALL |
| ALW-CAT6HPJ | ✓✓✓✓ | Weatherproof Metal Enclosure, High Power, Shielded RJ45 | 82.92 | 76.29 | 69.66 | CALL |
| HGLN-CAT6JT | ✓✓✓✓✓ | Indoor, Differential Gas Tube, Shielded RJ45 | 57.06 | 53.64 | 50.21 | CALL |
| ALS-CAT6JT | ✓✓✓✓✓ | Compact Weatherproof, Differential Gas Tube, Shielded RJ45 | 64.61 | 60.73 | 56.85 | CALL |
| CMSP-CAT6T-2 | ✓✓✓✓✓ | Indoor Wall Mount, 2-Port Differential Gas Tube, Shielded RJ45 | 80.77 | 74.31 | 67.85 | CALL |
| CMSP-CAT6T-4 | ✓✓✓✓✓ | Indoor, 4-Port, Differential Gas Tube, Shielded RJ45 | 140.04 | 128.84 | 117.63 | CALL |

Category 6a Data Line 10/100/1000/10G Base-T Protectors

L-com's CAT6a lightning and surge protectors provide superior protection with improved frequency response for 10/100/1000/10000 (10G) Base-T Ethernet networks. They are designed for use with CAT6a Ethernet cabling, but can also be used with CAT5, CAT5e and CAT6 cabling.

| | | | | | | |
|------------|----|---------------------------------|-------|-------|-------|------|
| AL-CAT6AJW | ✓✓ | Weather Resistant, RJ45 (CAT6a) | 49.95 | 46.95 | 43.96 | CALL |
|------------|----|---------------------------------|-------|-------|-------|------|

15V and 24V PoE Compatible Data Line Lightning and Surge Protectors

The lightning protectors in this section are designed to be compatible with PoE equipment requiring 15V and 24V. Note, these protectors are not intended for use with standard 48V PoE equipment.

| | | | | | | |
|----------------|------|--|--------|--------|--------|------|
| HGLN-CAT5J24 | ✓✓✓ | Indoor, Cat5, 15V/24V PoE, Shielded RJ45 | 45.21 | 42.49 | 39.78 | CALL |
| AL-CAT5SJW24 | ✓✓✓ | Weather Resistant, Cat5, 15V/24V PoE, Shielded RJ45 | 43.05 | 40.47 | 37.89 | CALL |
| AL-CAT5W-4-24 | ✓✓✓✓ | Weatherproof, 4-Port, Cat5, 15V/24V PoE, Shielded RJ45 | 140.04 | 131.64 | 123.24 | CALL |
| HGLN-CAT5EJW24 | ✓✓✓✓ | Indoor, Cat5e, 15V/24V PoE, Shielded RJ45 | 57.06 | 53.64 | 50.21 | CALL |
| AL-CAT5EJW24 | ✓✓✓✓ | Weather Resistant, Cat5e, 15V/24V PoE, Shielded RJ45 | 51.67 | 48.57 | 45.47 | CALL |
| ALW-CAT5EJ24 | ✓✓✓✓ | Weatherproof Metal Enclosure, Cat5e 15V/24V PoE, Shielded RJ45 | 75.38 | 69.35 | 63.32 | CALL |

Rack Mount Ethernet and Telephone/DSL Protectors

The RMSP series lightning and surge protectors provides multiple line protection in a standard 19" rack panel. Available in 4/12/24 port versions, the RMSP series mounts into any standard 19" (48.3cm) rack system and may be installed in the rear of the rack where they are normally required of line in and out.

| | | | | | | |
|---------------|-------|---|--------|--------|--------|------|
| RMSP-CAT5S-4 | ✓✓✓ | Category 5 10/100 Base-T, 19" (48.3cm) 1U Panel, 4-Port | 86.00 | 82.56 | 79.12 | CALL |
| RMSP-CAT5S-12 | ✓✓✓ | Category 5 10/100 Base-T, 19" (48.3cm) 2U Panel, 12-Port | 195.00 | 187.20 | 179.40 | CALL |
| RMSP-CAT5-24 | ✓✓✓ | Category 5 10/100 Base-T, 19" (48.3cm) 1U Panel, 24-Port | 420.23 | 403.42 | 386.61 | CALL |
| RMSP-CAT6-4 | ✓✓✓ | Category 6 10/100/1000 Base-T, 19" (48.3cm) 1U Panel, 4-Port | 103.00 | 98.88 | 94.76 | CALL |
| RMSP-CAT6-12 | ✓✓✓ | Category 6 10/100/1000 Base-T, 19" (48.3cm) 2U Panel, 12-Port | 260.00 | 249.60 | 239.20 | CALL |
| RMSP-CAT6T-4 | ✓✓✓✓✓ | Category 6 10/100/1000 Base-T, 19" (48.3cm) 1U Panel, High Power, 4-Port | 137.00 | 131.52 | 126.04 | CALL |
| RMSP-CAT6T-12 | ✓✓✓✓✓ | Category 6 10/100/1000 Base-T, 19" (48.3cm) 2U Panel, High Power, 12-Port | 270.00 | 259.20 | 248.40 | CALL |
| RMSP-DT-4 | ✓✓✓✓ | Telephone/DSL, 19" (48.3cm) 1U Panel, High Power, 4-Port | 161.59 | 155.13 | 148.67 | CALL |
| RMSP-DT-12 | ✓✓✓✓ | Telephone/DSL, 19" (48.3cm) 2U Panel, High Power, 12-Port | 484.89 | 465.49 | 446.10 | CALL |

Wall Plate Series Lightning and Surge Protectors

The WP series lightning protectors feature stainless steel wall plates designed to mount to standard in-wall conduit boxes. These units are ideal for providing lightning and surge protection in homes and offices with existing in-wall telephone and network wiring.

| | | | | | | |
|--------|------|--|-------|-------|-------|------|
| WPCAT5 | ✓✓✓ | Wall Plate, Cat5, Shielded RJ45/RJ45 | 30.12 | 28.92 | 27.71 | CALL |
| WPCAT6 | ✓✓ | Wall Plate, Cat6, Shielded RJ45/RJ45 | 30.12 | 28.92 | 27.71 | CALL |
| WPDJTJ | ✓✓✓✓ | Wall Plate, Telephone/DSL, RJ11/RJ11 | 30.12 | 28.92 | 27.71 | CALL |
| WPDTP | ✓✓✓✓ | Wall Plate, Telephone/DSL, RJ11/Punch Terminal | 30.12 | 28.92 | 27.71 | CALL |





HGLND-D1-DT



RMSPT-DT-4



ALW-DSLS



HGLND-D1-05



AL-D15P1228AW



ALS-D25P12DW



AL-CL2-12



HGLN-AISG1



AL-D8-12AC

The lightning bolts next to the part numbers indicate Power Rating.
 ⚡ = Low Power
 ⚡⚡⚡⚡⚡ = High Power

| Item # | Power Rating | Description | 1-9 | 10-24 | 25-99 | 100+ |
|--|--------------|--|--------|--------|--------|------|
| Telephone/DSL/T1 Protectors | | | | | | |
| L-com's Telephone, DSL and T1 lightning and surge protectors are perfect for indoor and outdoor installations. There are multiple styles to choose from including screw terminal, punch down and RJ11. | | | | | | |
| AL-D4W-DT | ⚡⚡⚡ | Weather Resistant, Phone/DSL, T1/E1/J1, Screw Terminal | 48.44 | 45.53 | 42.63 | CALL |
| AL-D4W-DP | ⚡⚡⚡ | Weather Resistant, Phone/DSL, T1/E1/J1, Punch Down Terminal | 48.44 | 45.53 | 42.63 | CALL |
| HGLN-D1-DT | ⚡⚡⚡ | Indoor, High Power Single Line Phone/DSL, Screw Terminal | 48.44 | 45.53 | 42.63 | CALL |
| HGLND-D1-DT | ⚡⚡⚡ | Indoor DIN Mount, High Power Single Line Phone/DSL, Screw Terminal | 53.83 | 50.60 | 47.37 | CALL |
| HGLN-DT | ⚡⚡⚡ | Indoor, High Power Single Line Phone/DSL, RJ11 | 48.44 | 45.53 | 42.63 | CALL |
| HGLN-D2T | ⚡⚡⚡ | Indoor, High Power Dual Line Phone/DSL, RJ11 | 48.44 | 45.53 | 42.63 | CALL |
| CMSP-DT-4 | ⚡⚡⚡ | Indoor, 4-Port High Power Phone/DSL, RJ11 | 140.04 | 128.84 | 117.63 | CALL |
| RMSPT-DT-4 | ⚡⚡⚡ | 19 inch (48.3cm) Rack Panel, 4-Port High Power Phone/DSL, RJ11 | 161.59 | 155.13 | 148.67 | CALL |
| HGLN-DSL | ⚡⚡⚡ | Indoor, Phone/DSL, 3-Stage, RJ11 | 59.22 | 55.66 | 52.11 | CALL |
| AL-DSLJW | ⚡⚡⚡ | Weather Resistant, Phone/DSL, 3-Stage, RJ11 | 59.22 | 55.66 | 52.11 | CALL |
| ALW-DSLJ | ⚡⚡⚡ | Weatherproof Metal Enclosure, Phone/DSL, 3-Stage, RJ11 | 78.61 | 72.33 | 66.04 | CALL |
| HGLN-D2-DT | ⚡⚡⚡ | Indoor, Phone/DSL, 3-Stage, Screw Terminal | 59.22 | 55.66 | 52.11 | CALL |
| HGLND-D2-DT | ⚡⚡⚡ | Indoor DIN Mount, Phone/DSL, 3-Stage, Screw Terminal | 64.61 | 60.73 | 56.85 | CALL |
| AL-DSL5W | ⚡⚡⚡ | Weather Resistant, Phone/DSL, 3-Stage, Screw Terminal | 59.22 | 55.66 | 52.11 | CALL |
| ALW-DSLS | ⚡⚡⚡ | Weatherproof Metal Enclosure, Phone/DSL, 3-Stage, Screw Terminal | 78.61 | 72.33 | 66.04 | CALL |
| AL-D3W-DT | ⚡⚡⚡ | Weather Resistant, Phone/DSL, 3-Stage, Screw Terminal | 66.76 | 62.75 | 58.75 | CALL |

RS422/RS485/RS232 Protectors

L-com's lightning and surge protectors in this section are ideal for RS422, RS485, RS232 lines as well as providing protection for sensors and control lines. All protectors in this section feature screw terminals.

| | | | | | | |
|-------------|-----|---|-------|-------|-------|------|
| AL-D4W-05 | ⚡⚡⚡ | Weather Resistant, 4-Line RS422/485 | 48.44 | 45.53 | 42.63 | CALL |
| AL-D8W-12 | ⚡⚡⚡ | Weather Resistant, 8-Line RS232 | 48.44 | 45.53 | 42.63 | CALL |
| HGLN-D1-05 | ⚡⚡⚡ | Indoor, 1-Line RS485, 3-Stage | 43.05 | 40.47 | 37.89 | CALL |
| HGLND-D1-05 | ⚡⚡⚡ | Indoor DIN Mount, RS485, 3-Stage | 48.44 | 45.53 | 42.63 | CALL |
| HGLN-D2-05 | ⚡⚡⚡ | Indoor, RS422/485, RTDs, T1/E1/J1, 3-Stage | 59.22 | 55.66 | 52.11 | CALL |
| HGLND-D2-05 | ⚡⚡⚡ | Indoor DIN Mount, RS422/485, RTDs, T1/E1/J1, 3-Stage | 64.61 | 60.73 | 56.85 | CALL |
| AL-D2W-05 | ⚡⚡⚡ | Weather Resistant, RS422/485, RTDs, T1/E1/J1, 3-Stage | 59.22 | 55.66 | 52.11 | CALL |
| ALW-D2-05 | ⚡⚡⚡ | Weatherproof Metal Enclosure, RS422/485, 3-Stage | 75.38 | 69.35 | 63.32 | CALL |
| AL-D3W-05 | ⚡⚡⚡ | Weather Resistant, RS485 | 66.76 | 62.75 | 58.75 | CALL |
| HGLN-D2-12 | ⚡⚡⚡ | Indoor, 2-Line RS232, 3-Stage | 59.22 | 55.66 | 52.11 | CALL |
| AL-D2W-12 | ⚡⚡⚡ | Weather Resistant, 2-Line RS232, 3-Stage | 59.22 | 55.66 | 52.11 | CALL |
| ALW-D2-12 | ⚡⚡⚡ | Weatherproof Metal Enclosure, 2-Line RS232, 3-Stage | 75.38 | 69.35 | 63.32 | CALL |
| AL-D4-05W | ⚡⚡⚡ | Weatherproof, 4-Line RS422/485 | 66.76 | 62.75 | 58.75 | CALL |

RS422/RS485 Control Lines with AC/DC Supply Voltage Protectors

L-com's AL-D15P and ALS-D25P protectors incorporate individual protection circuits for RS422/485 control lines and AC/DC power lines. These protectors are ideal for RS422/485 lines with AC/DC supply voltage, analog or IP video surveillance cameras, pool/spa controllers and Pan-Tilt-Zoom (PTZ) camera controllers.

| | | | | | | |
|----------------|-----|---|-------|-------|-------|------|
| AL-D15P05DW | ⚡⚡⚡ | 5VDC, RS485, Weather Resistant, Screw Terminal | 37.66 | 35.40 | 33.14 | CALL |
| AL-D15P12DW | ⚡⚡⚡ | 12VDC, RS485, Weather Resistant, Screw Terminal | 37.66 | 35.40 | 33.14 | CALL |
| AL-D15P15DW | ⚡⚡⚡ | 15VDC, RS485, Weather Resistant, Screw Terminal | 37.66 | 35.40 | 33.14 | CALL |
| AL-D15P24DW | ⚡⚡⚡ | 24VDC, RS485, Weather Resistant, Screw Terminal | 37.66 | 35.40 | 33.14 | CALL |
| AL-D15P1228AW | ⚡⚡⚡ | 12-28VAC, RS485, Weather Resistant, Screw Terminal | 37.66 | 35.40 | 33.14 | CALL |
| ALS-D25P12DW | ⚡⚡⚡ | 12VDC, RS422/RS485, Weatherproof, Screw Terminal | 59.22 | 55.66 | 52.11 | CALL |
| ALS-D25P15DW | ⚡⚡⚡ | 15VDC, RS422/RS485, Weatherproof, Screw Terminal | 59.22 | 55.66 | 52.11 | CALL |
| ALS-D25P24DW | ⚡⚡⚡ | 24VDC, RS422/RS485, Weatherproof, Screw Terminal | 59.22 | 55.66 | 52.11 | CALL |
| ALS-D25P1228AW | ⚡⚡⚡ | 12-28VAC, RS422/RS485, Weatherproof, Screw Terminal | 59.22 | 55.66 | 52.11 | CALL |

4-20 mA Current Loop Protectors

L-com's brand 4-20 mA protectors are ideal for sensors and controllers as well as industrial control lines, HART street light controllers, toll booths, drawbridges, railroad crossing gates and signals. Available in three voltages; 12V, 15V and 24V.

| | | | | | | |
|--------------|-----|--|-------|-------|-------|------|
| AL-CL4-12 | ⚡⚡⚡ | 12V Weather Resistant, 4-Channel, Screw Terminal | 48.44 | 45.53 | 42.63 | CALL |
| HGLN-CL1-12 | ⚡⚡⚡ | 12V Indoor, 1-Channel, Screw Terminal | 51.67 | 48.57 | 45.47 | CALL |
| HGLND-CL1-12 | ⚡⚡⚡ | 12V Indoor DIN Mount, 1-Channel, Screw Terminal | 58.14 | 54.65 | 51.16 | CALL |
| HGLN-CL2-12 | ⚡⚡⚡ | 12V Indoor, 2-Channel, Screw Terminal | 53.83 | 50.60 | 47.37 | CALL |
| HGLND-CL2-12 | ⚡⚡⚡ | 12V Indoor DIN Mount, 2-Channel, Screw Terminal | 59.22 | 55.66 | 52.11 | CALL |
| AL-CL2-12 | ⚡⚡⚡ | 12V Weather Resistant, 2-Channel, Screw Terminal | 48.44 | 45.53 | 42.63 | CALL |
| AL-CL3W-12 | ⚡⚡⚡ | 12V Weatherproof, 3-Channel, Screw Terminal | 67.84 | 63.77 | 59.70 | CALL |
| AL-CL4W-12 | ⚡⚡⚡ | 12V Weatherproof, 4-Channel, Screw Terminal | 69.99 | 65.79 | 61.59 | CALL |

See web site for 15V and 24V models

Remote Electrical Tilt (RET)/AISG Protector

L-com's RET/AISG protector is compatible with AISG 5, 6 and 8-conductor control lines and provides individual protection of the power and RS485 lines within the control cable.

| | | | | | | |
|------------|-----|--|--------|--------|-------|------|
| HGLN-AISG1 | ⚡⚡⚡ | Weatherproof, RET/AISG Compatible, 8-Pin | 107.71 | 101.25 | 94.79 | CALL |
|------------|-----|--|--------|--------|-------|------|

AC and DC Control Line Protectors

L-com offers a full line of AC and DC Control Line lightning and surge protectors. Available in 12V, 24V and 48V in either AC or DC models.

| | | | | | | |
|-------------|-----|--|-------|-------|-------|------|
| AL-D8-12ACW | ⚡⚡⚡ | Weather Resistant, Single Stage, 12VAC, 8-Wire, Screw Terminal | 59.22 | 55.66 | 52.11 | CALL |
| AL-D8-24ACW | ⚡⚡⚡ | Weather Resistant, Single Stage, 24VAC, 8-Wire, Screw Terminal | 59.22 | 55.66 | 52.11 | CALL |
| AL-D8-48ACW | ⚡⚡⚡ | Weather Resistant, Single Stage, 48VAC, 8-Wire, Screw Terminal | 59.22 | 55.66 | 52.11 | CALL |
| AL-D8-12AC | ⚡⚡⚡ | Weatherproof, 12VAC, 8-Wire, Screw Terminal | 71.07 | 66.81 | 62.54 | CALL |
| AL-D8-24AC | ⚡⚡⚡ | Weatherproof, 24VAC, 8-Wire, Screw Terminal | 71.07 | 66.81 | 62.54 | CALL |
| AL-D8-48AC | ⚡⚡⚡ | Weatherproof, 48VAC, 8-Wire, Screw Terminal | 71.07 | 66.81 | 62.54 | CALL |
| AL-D8-05DCW | ⚡⚡⚡ | Weather Resistant, Single Stage, 5VDC, 8-Wire, Screw Terminal | 59.22 | 55.66 | 52.11 | CALL |
| AL-D8-12DCW | ⚡⚡⚡ | Weather Resistant, Single Stage, 12VDC, 8-Wire, Screw Terminal | 59.22 | 55.66 | 52.11 | CALL |
| AL-D8-24DCW | ⚡⚡⚡ | Weather Resistant, Single Stage, 24VDC, 8-Wire, Screw Terminal | 59.22 | 55.66 | 52.11 | CALL |
| AL-D8-48DCW | ⚡⚡⚡ | Weather Resistant, Single Stage, 48VDC, 8-Wire, Screw Terminal | 59.22 | 55.66 | 52.11 | CALL |
| AL-D8-12DC | ⚡⚡⚡ | Weatherproof, 12VDC, 8-Wire, Screw Terminal | 71.07 | 66.81 | 62.54 | CALL |
| AL-D8-24DC | ⚡⚡⚡ | Weatherproof, 24VDC, 8-Wire, Screw Terminal | 71.07 | 66.81 | 62.54 | CALL |
| AL-D8-48DC | ⚡⚡⚡ | Weatherproof, 48VDC, 8-Wire, Screw Terminal | 71.07 | 66.81 | 62.54 | CALL |
| HGLN-DC-12 | ⚡⚡⚡ | Indoor, 12VDC, 1-Line, Screw Terminal | 45.21 | 42.49 | 39.78 | CALL |

| Item # | Power Rating | Description | 1-9 | 10-24 | 25-99 | 100+ |
|---|--------------|---|-------|-------|-------|------|
| Load Cell/RTD/Strain Gauge Sensor Protectors | | | | | | |
| The AL-LC series lightning and surge protectors that provide superior protection for devices such as load cells, weighbridges, resistance temperature detectors (RTD) and strain gauge sensors. | | | | | | |
| AL-LC-30 | ★★★★ | Weatherproof 3-Stage Load Cell/RTD Lightning Surge Protector | 71.07 | 66.81 | 62.54 | CALL |
| AL-LC | ★★★★ | Weatherproof Single Stage Load Cell/RTD Lightning Surge Protector | 48.44 | 45.53 | 42.63 | CALL |

Audio System Protectors

L-com's outdoor speaker and public address system lightning protectors offer protection of valuable PA equipment at an affordable price.

| | | | | | | |
|-----------|------|---|-------|-------|-------|------|
| AL-D2-AW | ★★★★ | Weatherproof, 4/8 Ohm Audio Systems, Screw Terminal | 59.22 | 55.66 | 52.11 | CALL |
| AL-D2-PAW | ★★★★ | Weatherproof, 70.7/100V Public Address Systems, Screw Terminals | 59.22 | 55.66 | 52.11 | CALL |

Coaxial Video Protectors

L-com's Coaxial Video protectors are ideal for protecting surveillance and CCTV cameras, DVRs, surveillance PCs and video monitors.

| | | | | | | |
|---------------|----|---|-------|-------|-------|------|
| CMSP-VIDEO-2 | ★★ | Indoor, 2-Port Video, BNC Connectors | 53.83 | 49.52 | 45.22 | CALL |
| CMSP-VIDEO-2I | ★★ | Indoor, 2-Port Video, Isolated BNC Connectors | 53.83 | 49.52 | 45.22 | CALL |
| CMSP-VIDEO-4 | ★★ | Indoor, 4-Port Video, BNC Connectors | 96.93 | 89.18 | 81.42 | CALL |
| CMSP-VIDEO-4I | ★★ | Indoor, 4-Port Video, Isolated BNC Connectors | 96.93 | 89.18 | 81.42 | CALL |

Analog Pan-Tilt-Zoom (PTZ) Video Camera Surge Protectors

The L-com's AL-VDP series are designed to provide superior lightning and surge protection for analog PTZ video cameras. These protectors incorporate individual protection circuits for the analog video line, RS485 control line and AC/DC power lines.

| | | | | | | |
|---------------|------|--|--------|--------|--------|------|
| AL-VDP012DW | ★★★★ | 12VDC Weatherproof, Grounded BNC Connectors | 134.65 | 123.88 | 113.11 | CALL |
| AL-VDP112DW | ★★★★ | 12VDC Weatherproof, Isolated BNC Connectors | 134.65 | 123.88 | 113.11 | CALL |
| AL-VDP024DW | ★★★★ | 24VDC Weatherproof, Grounded BNC Connectors | 134.65 | 123.88 | 113.11 | CALL |
| AL-VDP124DW | ★★★★ | 24VDC Weatherproof, Isolated BNC Connectors | 134.65 | 123.88 | 113.11 | CALL |
| AL-VDP01228AW | ★★★★ | 12-28VAC Weatherproof, Grounded BNC Connectors | 134.65 | 123.88 | 113.11 | CALL |
| AL-VDP11228AW | ★★★★ | 12-28VAC Weatherproof, Isolated BNC Connectors | 134.65 | 123.88 | 113.11 | CALL |

USB Lightning and Surge Protectors, Panel Mountable

The L-com AL-ECF504 series USB surge protectors are commercial quality devices designed to protect a computer's sensitive USB ports from surges and spikes from attached devices. To ensure USB 2.0 speeds, the device uses ultra-low capacitance diodes to protect the data lines. In addition, a protection device clamps the power lines to safe levels. These panel mount protectors are available with or without a pigtail cable.

| | | | | | | |
|----------------|--|--|-------|-------|-------|------|
| AL-ECF504-AB | | USB Type A Female Bulkhead/Type B Female | 19.39 | 18.22 | 17.06 | CALL |
| AL-ECF504-AA12 | | USB Type A Female Bulkhead/Type A Male, 12in (30.5cm) Pigtail* | 21.54 | 20.25 | 18.96 | CALL |
| AL-ECF504-AB12 | | USB Type A Female Bulkhead/Type B Male, 12in (30.5cm) Pigtail* | 21.54 | 20.25 | 18.96 | CALL |

*Also available in lengths of 24" (61.0cm), 36" (91.4cm), 48" (121.9cm) and 72" (182.9cm). See web site for details.

L-com Coaxial Lightning and Surge Protectors

L-com's coaxial lightning and surge protectors feature replaceable gas tubes (except for 1/4 wave models), multi-strike capability and bi-directional protection.

0-3 GHz Coaxial Protectors

| | | | | | | |
|--------------|--|--|-------|-------|-------|------|
| AL-NFNFB-9 | | Type N Female to Type N Female Bulkhead, 90V | 22.58 | 20.77 | 18.96 | CALL |
| AL-NFNFBHP-9 | | Type N Female to Type N Female Bulkhead, Indoor, High Power, 90V | 30.12 | 27.71 | 25.30 | CALL |
| AL-NMNF-9 | | Type N Male to Type N Female Bulkhead, 90V | 22.58 | 20.77 | 18.96 | CALL |
| AL-BMBFB-9 | | BNC Male to BNC Female Bulkhead, 90V | 18.27 | 16.80 | 15.34 | CALL |
| AL-TMTFB-9 | | TNC Male to TNC Female Bulkhead, 90V | 29.04 | 26.72 | 24.40 | CALL |
| AL-UUF-6 | | UHF Female to UHF Female Bulkhead, 600V | 18.27 | 16.80 | 15.34 | CALL |
| AL-RBPRJB-9 | | RP-BNC Plug to RP-BNC Jack Bulkhead, 90V | 18.27 | 16.80 | 15.34 | CALL |
| AL-RTPTJB-9 | | RP-TNC Plug to RP-TNC Jack Bulkhead, 90V | 29.04 | 26.72 | 24.40 | CALL |
| AL-FFFF-9 | | Type F Female to Type F Female, 90V | 29.04 | 26.72 | 24.40 | CALL |

0-6 GHz Coaxial Protectors

| | | | | | | |
|----------------|--|--|-------|-------|-------|------|
| AL6-NFNFBW-9 | | Type N Female to Type N Female Bulkhead, 90V | 43.05 | 39.61 | 36.16 | CALL |
| AL6-NMNF-9 | | Type N Male to Type N Female Bulkhead, 90V | 43.05 | 39.61 | 36.16 | CALL |
| AL6-RSPRSJBW-9 | | RP-SMA Plug to RP-SMA Jack Bulkhead, 90V | 37.66 | 34.65 | 31.64 | CALL |

0-6 GHz In-line Crimp Type Coaxial Protectors

L-com's crimp type coaxial protectors are designed to be attached directly onto a 400-series low-loss coax cable via the solderless crimp end of the protector. This helps improve insertion loss since a cable connector is eliminated. These protectors are also available on pre-made 400-series cable assemblies. See page 206 for details.

| | | | | | | |
|-------------|--|--|-------|-------|-------|------|
| AL6-NF-14-9 | | Type N Female Bulkhead to Crimp End, 90V | 36.59 | 33.66 | 30.73 | CALL |
| AL6-NM-14-9 | | Type N Male to Crimp End, 90V | 36.59 | 33.66 | 30.73 | CALL |

Quarter Wave Coaxial Protectors

| | | | | | | |
|------------|--|--|-------|-------|-------|------|
| ALQ2-NMNF | | 2300-2700 MHz Type N Male to Type N Female Bulkhead | 43.05 | 39.61 | 36.16 | CALL |
| ALQ2-DMDFB | | 800-2250 MHz 7/16 DIN Male to 7/16 DIN Female Bulkhead | 96.93 | 89.18 | 81.42 | CALL |
| ALQ2-DFDFB | | 800-2250 MHz 7/16 DIN Female to 7/16 DIN Female Bulkhead | 96.93 | 89.18 | 81.42 | CALL |

Low PIM Quarter Wave Coaxial Protectors

| | | | | | | |
|------------|--|---|--------|-------|-------|------|
| ALQP-DFDFB | | 800-2250 MHz 7/16 DIN Female to 7/16 DIN Female Bulkhead, Low PIM | 100.00 | 94.00 | 88.00 | CALL |
| ALQP-DMDFB | | 800-2250 MHz 7/16 DIN Male to 7/16 DIN Female Bulkhead, Low PIM | 100.00 | 94.00 | 88.00 | CALL |
| ALQP-NFNFB | | 800-2250 MHz Type N Female to Type N Female Bulkhead, Low PIM | 80.00 | 75.20 | 70.40 | CALL |
| ALQP-NMNF | | 800-2250 MHz Type N Male to Type N Female Bulkhead, Low PIM | 80.00 | 75.20 | 70.40 | CALL |

Replacement Gas Tubes

| | | | | | | |
|----------|--|--|-------|-------|-------|------|
| LPX090G | | 0-6 GHz, 90V, Replacement Gas Tube | 12.88 | 11.59 | 10.30 | CALL |
| LPX090-6 | | 0-6 GHz, 90V, Replacement Gas Tube For AL-NMNF-9 | 7.49 | 6.74 | 5.99 | CALL |
| LPX090 | | 0-3 GHz, 90V, Replacement Gas Tube | 6.41 | 5.77 | 5.13 | CALL |
| LPX230 | | 0-3 GHz, 230V, Replacement Gas Tube | 6.41 | 5.77 | 5.13 | CALL |
| LPX350 | | 0-3 GHz, 350V, Replacement Gas Tube | 6.41 | 5.77 | 5.13 | CALL |
| LPX600 | | 0-3 GHz, 600V, Replacement Gas Tube | 6.41 | 5.77 | 5.13 | CALL |

Accessories

| | | | | | | |
|---------------|--|-----------------------|------|------|------|------|
| HGX-LPMOUNT01 | | ALQ2 Mounting Bracket | 6.25 | 5.75 | 5.25 | CALL |
|---------------|--|-----------------------|------|------|------|------|

Grounding Kits and Clamps

L-com's coax cable grounding kits are designed to withstand the damaging effects of lightning currents in excess of 200kA as well as meet the MIL-STD-188-124A protection requirements. Our grounding pipe clamp fits around existing conduit pipes or water pipes for a secure ground.

| | | | | | | |
|----------|--|---------------------------------------|-------|-------|-------|------|
| HT-GK400 | | Grounding Kit for LMR400 Series Cable | 20.67 | 19.85 | 19.02 | CALL |
| HT-GK600 | | Grounding Kit for LMR600 Series Cable | 20.67 | 19.85 | 19.02 | CALL |

The lightning bolts next to the part numbers indicate Power Rating.

⚡ = Low Power
⚡⚡⚡⚡ = High Power

AL-LC-30



CMSP-VIDEO-2



AL-VDP124DW



AL-ECF504-AA12



Best Seller



AL-NFNFB-9

Best Seller



AL6-NMNF-9



AL6-RSPRSJBW-9



AL6-NF-14-9



ALQ2-DFDFB



ALQP-DFDFB



Power over Ethernet (PoE) Midspan/Injectors

L-com offers a wide range of PoE Midspan/Injectors styles including reverse polarity and 4-port models. These PoE Midspan/Injectors can be used to supply power as well as data to PoE compliant devices such as access points, CPEs, IP phone and wireless routers over a single Ethernet cable.

| Item # | Description | 1-9 | 10-24 | 25-99 | 100+ |
|---|---|-------|-------|-------|------|
| All-In-One Midspan/Injector with Integral Power Supply | | | | | |
| PSW1212-POE | 12 VDC, 12W, Wall Mount, RJ45 | 18.00 | 16.92 | 15.84 | CALL |
| PS1212-POE | 12 VDC, 12W, Desktop, RJ45, Requires PSCORD2 Power Cord | 26.00 | 24.44 | 22.88 | CALL |
| PSW2424-POE | 24 VDC, 24W, Wall Mount, RJ45 | 18.00 | 16.92 | 15.84 | CALL |
| PS2424-POE | 24 VDC, 24W, Desktop, RJ45, Requires PSCORD3 Power Cord | 26.00 | 24.44 | 22.88 | CALL |
| PSW4824-POE | 48 VDC, 24W, Wall Mount, RJ45 | 18.00 | 16.92 | 15.84 | CALL |
| PS4820-POE-1 | 48 VDC, 20W, Dual RJ45 | 26.00 | 24.44 | 22.88 | CALL |
| PS4834GB-POE-2 | 48 VDC, 34W, Gigabit, 2-Port RJ45 | 57.00 | 53.58 | 50.16 | CALL |

Cat5 Midspan/Injectors

| | | | | | |
|-------------------|--|--------|--------|-------|------|
| BT-CAT5-E1 | Compact Single Port, 5-48 VDC | 7.00 | 6.58 | 6.16 | CALL |
| BT-CAT5-E1-4848 | BT-CAT5-E1 with 48VDC/48W Power Supply | 28.00 | 26.32 | 24.64 | CALL |
| BT-CAT5-E1-4870 | BT-CAT5-E1 with 48VDC/70W Power Supply | 51.00 | 47.94 | 44.88 | CALL |
| BT-CAT5-P1 | Single Port, 5-48 VDC | 26.00 | 24.44 | 22.88 | CALL |
| BT-CAT5-P1-4848 | BT-CAT5-P1 with 48VDC/48W Power Supply | 43.00 | 40.42 | 37.84 | CALL |
| BT-CAT5-P1-4870 | BT-CAT5-P1 with 48VDC/70W Power Supply | 66.00 | 62.04 | 58.08 | CALL |
| BT-CAT5-P1-56118 | BT-CAT5-P1 with 56VDC/117.6W Power Supply | 73.00 | 68.62 | 64.24 | CALL |
| BTD-CAT5-P1 | DIN Mount Single Port, 5-48 VDC | 31.00 | 29.14 | 27.28 | CALL |
| BTD-CAT5-P14848 | BTD-CAT5-P1 with 48VDC/48W Power Supply | 48.00 | 45.12 | 42.24 | CALL |
| BTD-CAT5-P14870 | BTD-CAT5-P1 with 48VDC/70W Power Supply | 71.00 | 66.74 | 62.48 | CALL |
| BT-CAT5-P1J | Single Port, 5-48 VDC with Cat5 Surge Protection | 40.00 | 37.60 | 35.20 | CALL |
| BT-CAT5-P1J-4848 | BT-CAT5-P1J with 48VDC/48W Power Supply | 56.00 | 52.64 | 49.28 | CALL |
| BT-CAT5-P1J-4870 | BT-CAT5-P1J with 48VDC/70W Power Supply | 78.00 | 73.32 | 68.64 | CALL |
| BT-CAT5-P1J-56118 | BT-CAT5-P1J with 56VDC/117.6W Power Supply | 83.00 | 78.02 | 73.04 | CALL |
| BTD-CAT5-P1J | DIN Mount Single Port, 5-48 VDC w/ Cat5 Surge Protection | 45.00 | 42.30 | 39.60 | CALL |
| BTD-CAT5P1J4848 | BTD-CAT5-P1J with 48VDC/48W Power Supply | 61.00 | 57.34 | 53.68 | CALL |
| BTD-CAT5P1J4870 | BTD-CAT5-P1J with 48VDC/70W Power Supply | 83.00 | 78.02 | 73.04 | CALL |
| BT-CAT5-P1R | Single Port, 5-48 VDC, Reverse Polarity | 35.00 | 32.90 | 30.80 | CALL |
| BT-CAT5-P1R4848 | BT-CAT5-P1R with 48VDC/48W Power Supply | 51.00 | 47.94 | 44.88 | CALL |
| BT-CAT5-P1R4870 | BT-CAT5-P1R with 48VDC/70W Power Supply | 73.00 | 68.62 | 64.24 | CALL |
| BT-CAT5-P1R-56118 | BT-CAT5-P1R with 56VDC/117.6W Power Supply | 81.00 | 76.14 | 71.28 | CALL |
| BTD-CAT5-P1R | DIN Mount Single Port, 5-48 VDC, Reverse Polarity | 40.00 | 37.60 | 35.20 | CALL |
| BTD-CAT5P1R4848 | BTD-CAT5-P1R with 48VDC/48W Power Supply | 56.00 | 52.64 | 49.28 | CALL |
| BTD-CAT5P1R4870 | BTD-CAT5-P1R with 48VDC/70W Power Supply | 78.00 | 73.32 | 68.64 | CALL |
| BT-CAT5-P4 | Four Port, 5-48 VDC | 56.00 | 52.64 | 49.28 | CALL |
| BT-CAT5-P4-4848 | BT-CAT5-P4 with 48VDC/48W Power Supply | 73.00 | 68.62 | 64.24 | CALL |
| BT-CAT5-P4-4870 | BT-CAT5-P4 with 48VDC/70W Power Supply | 96.00 | 90.24 | 84.48 | CALL |
| BT-CAT5-P4-56118 | BT-CAT5-P4 with 56VDC/117.6W Power Supply | 103.00 | 96.82 | 90.64 | CALL |
| BTD-CAT5-P4 | DIN Mount Four Port, 5-48 VDC | 61.00 | 57.34 | 53.68 | CALL |
| BTD-CAT5-P44848 | BTD-CAT5-P4 with 48VDC/48W Power Supply | 78.00 | 73.32 | 68.64 | CALL |
| BTD-CAT5-P44870 | BTD-CAT5-P4 with 48VDC/70W Power Supply | 100.00 | 94.00 | 88.00 | CALL |
| BT-CAT5-P4J | Four Port, 5-48 VDC with Cat5 Surge Protection | 63.00 | 59.22 | 55.44 | CALL |
| BT-CAT5-P4J-4848 | BT-CAT5-P4J with 48VDC/48W Power Supply | 78.00 | 73.32 | 68.64 | CALL |
| BT-CAT5-P4J-4870 | BT-CAT5-P4J with 48VDC/70W Power Supply | 100.00 | 94.00 | 88.00 | CALL |
| BT-CAT5-P4J-56118 | BT-CAT5-P4J with 56VDC/117.6W Power Supply | 105.00 | 98.70 | 92.40 | CALL |
| BTD-CAT5-P4J | DIN Mount Four Port, 5-48 VDC w/ Cat5 Surge Protection | 70.00 | 65.80 | 61.60 | CALL |
| BTD-CAT5P4J4848 | BTD-CAT5-P4J with 48VDC/48W Power Supply | 85.00 | 79.90 | 74.80 | CALL |
| BTD-CAT5P4J4870 | BTD-CAT5-P4J with 48VDC/70W Power Supply | 108.00 | 101.52 | 95.04 | CALL |

Cat5e Midspan/Injectors

| | | | | | |
|---------------------|--|-------|-------|-------|------|
| BT-CAT5E-P1-HP | Single Port, 5-60 VAC/DC with High Power Cat5e Surge Protection | 52.00 | 48.88 | 45.76 | CALL |
| BT-CAT5E-P1-HP-4848 | BT-CAT5E-P1-HP with 48VDC/48W Power Supply | 68.00 | 63.92 | 59.84 | CALL |
| BT-CAT5E-P1-HP-4870 | BT-CAT5E-P1-HP with 48VDC/70W Power Supply | 89.00 | 83.66 | 78.32 | CALL |
| BT-CAT5E-P1-HP56118 | BT-CAT5E-P1-HP with 56VDC/117.6W Power Supply | 99.00 | 93.06 | 87.12 | CALL |
| BTD-CAT5E-P1-HP | DIN Mount Single Port, 5-60 VAC/DC w/High Power Cat5e Surge Protection | 57.00 | 53.58 | 50.16 | CALL |
| BTDCAT5EP1HP48W | BT-CAT5E-P1-HP with 48VDC/48W Power Supply | 73.00 | 68.62 | 64.24 | CALL |
| BTDCAT5EP1HP70W | BT-CAT5E-P1-HP with 48VDC/70W Power Supply | 94.00 | 88.36 | 82.72 | CALL |
| BT-CAT5E-P1-HPW | Single Port, Weather Resistant, 5-60 VAC/DC with High Power Cat5e Surge Protection | 51.00 | 47.94 | 44.88 | CALL |
| BT-CAT5E-P1-HPW4848 | BT-CAT5E-P1-HPW with 48VDC/48W Power Supply | 68.00 | 63.92 | 59.84 | CALL |
| BT-CAT5E-P1-HPW4870 | BT-CAT5E-P1-HPW with 48VDC/70W Power Supply | 90.00 | 84.60 | 79.20 | CALL |
| BT-CAT5E-P1HPW56118 | BT-CAT5E-P1-HPW with 56VDC/117.6W Power Supply | 98.00 | 92.12 | 86.24 | CALL |

Cat6 Gigabit Midspan/Injectors

| | | | | | |
|---------------------|---|--------|--------|--------|------|
| BT-CAT6-P1 | Single Port, 5-60 VAC/DC | 45.00 | 42.30 | 39.60 | CALL |
| BT-CAT6-P1-4848 | BT-CAT6-P1 with 48VDC/48W Power Supply | 62.00 | 58.28 | 54.56 | CALL |
| BT-CAT6-P1-4870 | BT-CAT6-P1 with 48VDC/70W Power Supply | 84.00 | 78.96 | 73.92 | CALL |
| BT-CAT6-P1-56118 | BT-CAT6-P1 with 56VDC/117.6W Power Supply | 91.00 | 85.54 | 80.08 | CALL |
| BTD-CAT6-P1 | DIN Mount Single Port, 5-60 VAC/DC | 50.00 | 47.00 | 44.00 | CALL |
| BTD-CAT6-P14848 | BTD-CAT6-P1 with 48VDC/48W Power Supply | 68.00 | 63.92 | 59.84 | CALL |
| BTD-CAT6-P14870 | BTD-CAT6-P1 with 48VDC/70W Power Supply | 89.00 | 83.66 | 78.32 | CALL |
| BT-CAT6-P1-HP | Single Port, 5-60 VAC/DC with High Power Cat6 Surge Protection | 68.00 | 63.92 | 59.84 | CALL |
| BT-CAT6P1HP-48W | BT-CAT6-P1-HP with 48VDC/48W Power Supply | 84.00 | 78.96 | 73.92 | CALL |
| BT-CAT6P1HP-70W | BT-CAT6-P1-HPW with 48VDC/70W Power Supply | 104.00 | 97.76 | 91.52 | CALL |
| BT-CAT6-P1-HP-56118 | BT-CAT6-P1-HP with 56VDC/117.6W Power Supply | 110.00 | 103.40 | 96.80 | CALL |
| BT-CAT6-P1-HPW | Single Port, Weather Resistant, 5-60 VAC/DC with High Power Cat6 Surge Protection | 68.00 | 63.92 | 59.84 | CALL |
| BT-CAT6P1HPW48W | BT-CAT6-P1-HPW with 48VDC/48W Power Supply | 84.00 | 78.96 | 73.92 | CALL |
| BT-CAT6P1HPW70W | BT-CAT6-P1-HPW with 48VDC/70W Power Supply | 104.00 | 97.76 | 91.52 | CALL |
| BTD-CAT6-P1-HP | DIN Mount Single Port, 5-60 VAC/DC w/High Power Cat6 Surge Protection | 68.00 | 65.28 | 62.56 | CALL |
| BTD-CAT6P1HP48W | BTD-CAT6-P1-HP with 48VDC/48W Power Supply | 89.00 | 85.44 | 81.88 | CALL |
| BTD-CAT6P1HP70W | BTD-CAT6-P1-HPW with 48VDC/70W Power Supply | 112.00 | 107.52 | 103.04 | CALL |
| BT-CAT6-P1-HPW56118 | BT-CAT6-P1-HPW with 56VDC/117.6W Power Supply | 110.00 | 103.40 | 96.80 | CALL |
| BT-CAT6-P4 | Four Port, 5-60 VAC/DC | 78.00 | 73.32 | 68.64 | CALL |
| BT-CAT6-P4-4848 | BT-CAT6-P4 with 48VDC/48W Power Supply | 93.00 | 87.42 | 81.84 | CALL |
| BT-CAT6-P4-4870 | BT-CAT6-P4 with 48VDC/70W Power Supply | 117.00 | 109.98 | 102.96 | CALL |
| BT-CAT6-P4-56118 | BT-CAT6-P4 with 56VDC/117.6W Power Supply | 120.00 | 112.80 | 105.60 | CALL |

Cat5 Splitter/Tap with Adjustable DC Output

The BT-CAT5-R0512 PoE Splitter/Tap delivers both data and DC power to non-PoE equipped Ethernet devices using a single Cat5 cable. It features a user adjustable output voltage selector which can be set for 5VDC, 7.5VDC, 9VDC or 12VDC allowing it to be used with a wide range of non-PoE devices.

| Item # | Description | 1-9 | 10-24 | 25-99 | 100+ |
|---------------|--|-------|-------|-------|------|
| BT-CAT5-R0512 | 100/1000 Base-T PoE Splitter/Tap with Adjustable DC Output | 33.00 | 31.02 | 29.04 | CALL |

Switching Power Supplies

| | | | | | |
|------------|---|-------|-------|-------|------|
| PS909-21R | 9 VDC @ 1A (9W), 2.1mm DC Plug | 10.67 | 10.25 | 9.82 | CALL |
| PS1212-21R | 12 VDC @ 1A (12W), 2.1mm Right Angle DC Plug | 13.89 | 13.33 | 12.77 | CALL |
| PS1224-21R | 12 VDC @ 2A (24W), 2.1mm Right Angle DC Plug | 15.54 | 14.92 | 14.30 | CALL |
| PS1240-21R | 12 VDC @ 3.33A (40W), 2.1mm Right Angle DC Plug | 22.80 | 21.88 | 20.97 | CALL |
| PS1566 | 15 VDC @ 4.4A (66W), 2.1mm DC Plug | 93.26 | 89.53 | 85.80 | CALL |
| PS4848-25R | 48 VDC @ 1A (48W), 2.5mm Right Angle DC Plug | 25.85 | 25.34 | 24.82 | CALL |
| PS4870-25R | 48 VDC @ 1.5A (70W), 2.5mm Right Angle DC Plug | 63.00 | 60.48 | 57.96 | CALL |

Lighter Plug to 2.1mm Right Angle DC Plug, 3A Fuse

| | | | | | |
|---------------|--|-------|------|------|------|
| PS-LIGHTER-06 | Cigarette Plug to 2.1mm Right Angle DC Plug, 3A Fuse, 6ft (1.8m) | 10.36 | 9.95 | 9.53 | CALL |
|---------------|--|-------|------|------|------|

Accessories

| | | | | | |
|---------|---|------|------|------|------|
| PSX-EU1 | US Flat or Euro Round to Euro 4.8mm Round A/C Adapter | 4.14 | 3.73 | 3.32 | CALL |
| PSX-EU2 | EU 4/4.8mm Round to US NEMA 6-15R Flat A/C Adapter | 4.14 | 3.73 | 3.32 | CALL |
| PSCORD2 | 2 Conductor Plug, USA/AC Power Cord, 1.0ft (0.3m) | 4.14 | 3.98 | 3.81 | CALL |
| PSCORD3 | 3 Conductor Plug, USA/AC Power Cord, 1.0ft (0.3m) | 3.61 | 3.46 | 3.32 | CALL |

PLANET 802.3at/af PoE Extenders

PLANET's PoE Extenders are simple devices designed to extend both the reach of Ethernet Data and IEEE 802.3at/802.3af PoE over the standard 100m (328ft.) CAT5e/6 UTP cable to 200m, 300m or more.

| Item # | Description | List Price |
|-----------------|---|------------|
| POE-PTE101 | PLANET POE-E101 802.3af PoE Extender | 52.00 |
| POE-PTE201 | PLANET POE-E201 802.3at/af Gigabit PoE Extender | 74.98 |
| PT-LRP-101U-KIT | PLANET LRP-101U-KIT 802.3at/af 1-Port Long Reach PoE over UTP Extender | 289.80 |
| PT-LRP-101C-KIT | PLANET LRP-101U-KIT 802.3at/af 1-Port Long Reach PoE over Coax Extender | 289.80 |
| PT-IPOE-E202 | PLANET IPOE-E202 Industrial 1-Port 802.3at PoE+ to 2-Port 802.3af Extender | 278.30 |
| PT-IPOE-E174 | PLANET IPOE-E174 802.3at/af 1-Port Ultra PoE to 4-Port Gigabit PoE Extender | 178.00 |

PLANET 15x & 17x Series PoE Injector and Splitters

| | | |
|-------------|--|-------|
| POE-PT151 | PLANET POE-151 48 VDC, 802.3af PoE Injector, Includes Power Supply | 33.00 |
| POE-162S | PLANET POE-162 5/12 VDC, 802.3af PoE Splitter | 39.99 |
| PT-POE-171 | PLANET POE-171 60W, Single Port, Gigabit Ultra PoE Injector, Includes Power Supply | 99.00 |
| PT-POE-171S | PLANET POE-171S 12/19/24 VDC, Gigabit Ultra PoE Splitter, Includes Power Cables | 88.00 |

PLANET PoE Injector Hubs

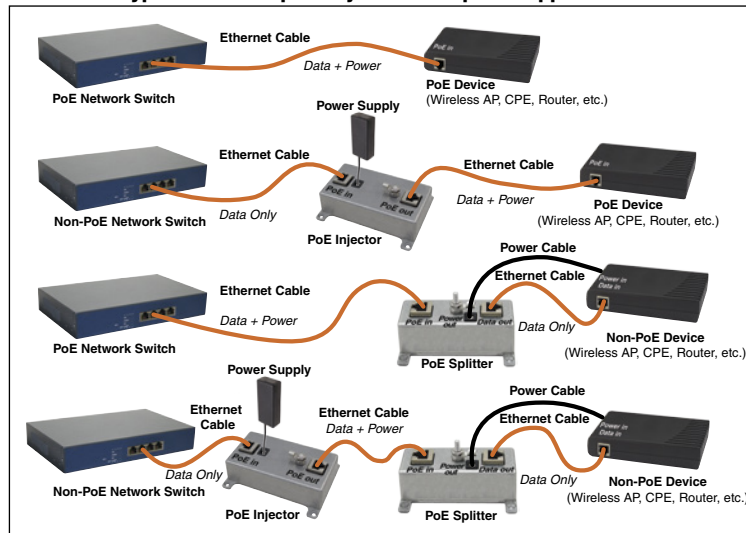
| | | |
|-------------|---|--------|
| POE-PT1200G | PLANET POE-1200G 48 VDC, 12-Port 802.3af Gigabit PoE Injector Hub | 322.00 |
| POE-PT2400G | PLANET POE-2400G 48 VDC, 24-Port 802.3af Gigabit PoE Injector Hub | 494.00 |

PLANET PoE Ethernet Switches

PLANET's PoE Ethernet switches are designed to provide data and power to a wide range of PoE compatible devices. These feature packed switches are available in wall mount, rack mount and industrial IP67 rated versions.

| | | |
|------------------|--|--------|
| PT-GSD-604HP | PLANET GSD-604HP 4-Port 10/100/1000T 802.3at PoE+ Desktop Gigabit Ethernet Switch | 85.20 |
| PT-GSW-2620HP | PLANET GSW-2620HP 24-Port 10/100/1000T 802.3at PoE+ SFP Gigabit Ethernet Switch | 356.00 |
| PT-FGSD-1022VHP | PLANET FGSD-1022VHP 8-Port 10/100TX 802.3at PoE+ with 2-Port Gigabit TP/SFP Combo Ethernet Switch | 178.00 |
| PT-FGSW-1822VHP | PLANET FGSW-1822VHP 16-Port 10/100TX 802.3at PoE+ with 2-Port Gigabit TP/SFP Combo Ethernet Switch | 316.00 |
| PT-FGSW-2622VHP | PLANET FGSW-2622VHP 24-Port 10/100TX 802.3at PoE+ with 2-Port Gigabit TP/SFP Combo Ethernet Switch | 378.00 |
| PT-ISW-804PT-M12 | PLANET ISW-804PT-M12 Industrial IP67 Rated 8-Port 10/100Mbps M12 Fast Ethernet PoE Switch | 410.00 |
| PT-WGS-804HP | PLANET WGS-804HP 8-Port 10/100/1000T Wall Mounted Gigabit Ethernet Switch with 4-Port PoE+ | 212.00 |

Typical PoE Midspan/Injector and Splitter Applications



BT-CAT5-R0512



PS-LIGHTER-06



POE-PTE201



PT-LRP-101C-KIT



PT-IPOE-E202



POE-162S



POE-PT2400G



PT-GSW-2620HP



PT-FGSW-1822VHP



PT-ISW-804PT-M12

Telecom/Modular - Premise Wiring Tutorial

What is Premise Wiring?

Premise Wiring is the cabling, connectors and accessories that are used to connect LAN (Local Area Network) and phone equipment inside a commercial building.

How is Premise Wiring used?

Premise Wiring is made up of vertical and horizontal cable runs from a central location throughout buildings to individual desktops.

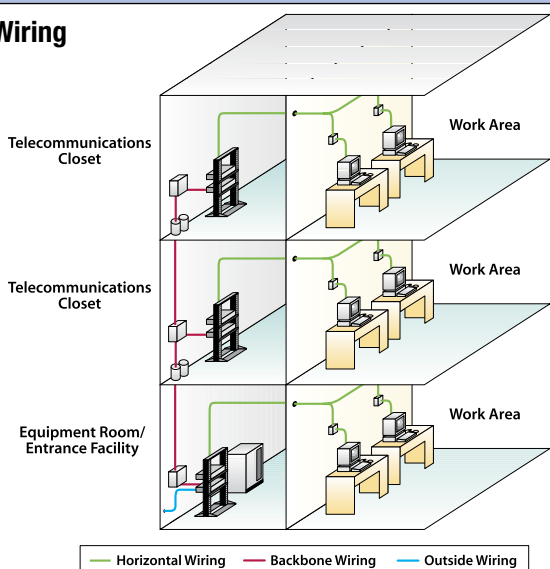
Where is Premise Wiring used?

Premise wiring can be found in just about all public and private buildings, including educational and government buildings as well as in many newer homes.

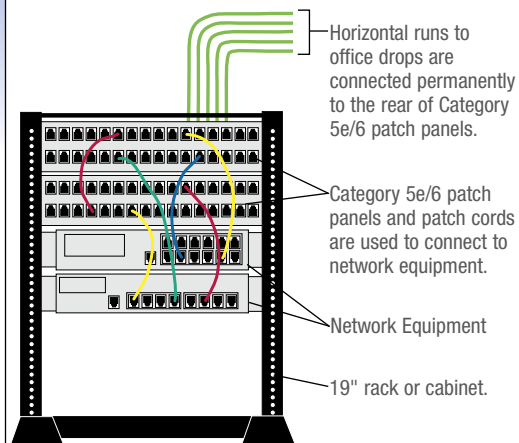
Typical LAN Premise Wiring

Wiring Notes:

1. Category 5e/6 unshielded twisted pair is the norm. Use 4 pair solid conductor inside the walls, 4 pair stranded for patch cords. Plenum rated cabling may be necessary depending upon fire codes in your area.
2. Maximum distance for a horizontal run is 90m (solid conductor) plus an additional 10m (stranded conductor) for patching.
3. Fiber is the common choice for backbone wiring. It is also recommended for horizontal runs over 100m.

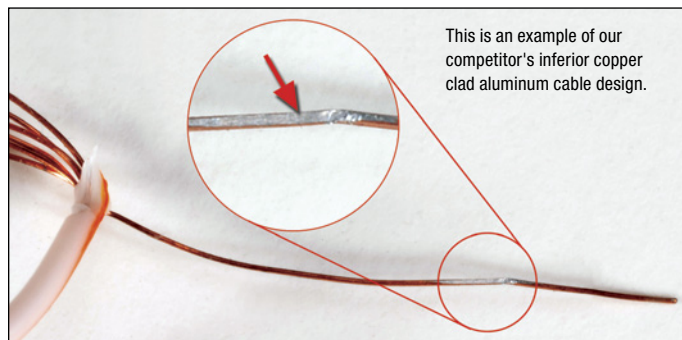


Typical Telecommunications Closet



Approximately 70% of network downtime is due to faulty cables

Quality Components are the building blocks of a reliable network

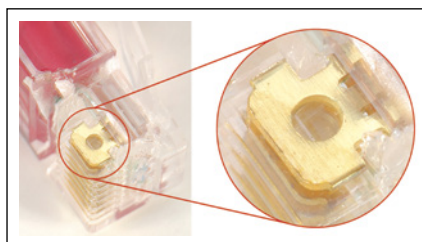


Cable

Many low cost telecom/modular cables use copper clad aluminum or copper clad steel. Aluminum and steel have much higher resistance than copper, resulting in increased data loss and low transmission speeds. L-com uses only pure copper conductors on its cables. Additionally, cable jackets can be made with less fireproofing materials than claimed and in some cases the writing on the jacket might state 24 AWG but is actually made from 25 or 26 AWG wire.



Gold flash on competitors RJ45 contact has deteriorated, degrading connectivity.



L-com connectors with 50 microinches (1.27µm) of gold do not degrade.

Connectors

Some competitor's connectors use only a gold flash where L-com ensures 50 microinches (1.27µm) or better of gold flash on our connectors.

Gold flash on connectors quickly rubs off, especially for patch cables. This can result in a measurably slower network and even dropped connectivity.

To view the entire article concerning counterfeit and low quality telecom/modular cables visit our website: L-com.com/CableTest

Ethernet Cable Applications

Download this helpful chart at L-com.com/EthernetCableGuide

CONSTRUCTION

UTP

Used in controlled environments with very little to no EMI/RFI. Used in home, small office and Enterprise business networks.

Shielded

For environments where EMI/RFI is present, such as near motors, generators and other "noise" generating machines.

Double Shielded

Used in extremely high EMI/RFI environments such as factories and processing plants where "noise" generating equipment including generators, power transmission lines, and electric motors are present.

High Flex

Used in continuous motion applications such as a robot arm control cable in a manufacturing environment.

MATERIAL

PVC

Very common jacket and over mold compound used in basic small office/home office (SOHO), small to medium business (SMB) and Enterprise network applications. PVC burns rapidly and releases hazardous gases when burned. Applications consist of general open space connectivity (not used in walls or ceilings).

LSZH

Low Smoke Zero Halogen cables produce very little smoke when burned and release no halogen compounds including Fluorine, Chlorine, and Bromine. This type of cabling is typically used in confined spaces where human lives and expensive communications equipment reside. LSZH is used on ships, submarines, aircraft, terrestrial vehicles etc.

Plenum

Plenum cabling is used in buildings in the plenum air space usually above ceiling tiles or in the plenum airspace under the flooring in a server room or data closet. Plenum cables will self extinguish and not re-ignite.

PUR/TPE

PUR (polyurethane) and TPE (thermoplastic elastomer) cabling are typically used in harsh or Industrial Ethernet networking applications where the presence of petroleum based contaminants, UV rays, and physical impacts occur. Applications include oil refineries, factory floor, manufacturing, processing industries (food and chemical) etc.

Telecom/Modular Connectors

MALE PLUGS



Modular (6x2)



Modular (8x2)



Modular (8x4)



Modular (8x6)



Modular 10 Pos. (10x10)



Modular RJ11 (6x4)



Modular RJ12 (6x6)



Modular RJ45 (8x8)

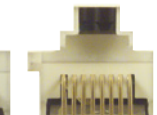
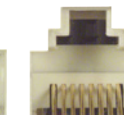
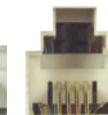
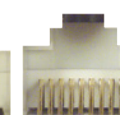
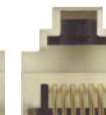
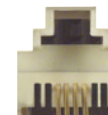


Modular RJ45 (8x8 Keyed)



Modular MMJ (6x6)

FEMALE JACKS



Common Wiring Standards for Data Communications

There are two common wiring standards for LAN wiring. When buying components such as jacks or patch panels, be sure to specify if you need EIA568A or EIA568B.



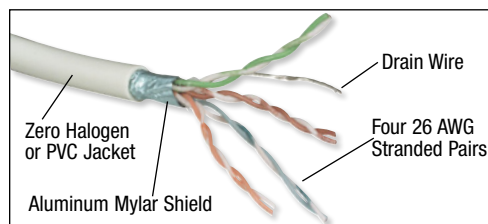
EIA/TIA568A WIRING

RJ45 Jack (8x8)



EIA/TIA568B AT&T 258A WIRING

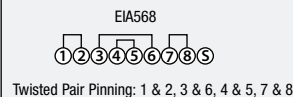




Premium Category 6 RJ45 to RJ45 Shielded Patch Cords

Category 6 has become the de facto standard when installing new network cabling. With high bandwidth applications on the rise and Ethernet network deployments venturing into new areas such as factory environments, the need for shielded Category 6 cable assemblies has also increased. L-com has stepped up to this new demand and created a line of high performance Category 6 patch cords that feature a 100% foil shield and the option of either a PVC or Zero Halogen jacket.

Category 6 Patch Cords



Category 6 Stranded 4 Pair Cable



Ordering is easy, add the desired color code to the part number. Ex: TRD695DSZ-BLK-1.

*Note: No suffix necessary for gray TRD695SZ assemblies.

Best Seller



TRD695DSZ-GRY
TRD695SZ



TRD695DSZ-BLK
TRD695SZBLK



TRD695DSZ-RED
TRD695SZR

| Item # | Description | Length | 1-9 | 10-24 | 25-99 | 100+ |
|-----------------|---|-----------------|--------|--------|--------|------|
| TRD695DSZ- -1 | Double Shielded Cat6 LSZH Patch Cord, RJ45/RJ45 | 1.0ft (0.3m) | 13.36 | 12.82 | 12.29 | CALL |
| TRD695DSZ- -2 | Double Shielded Cat6 LSZH Patch Cord, RJ45/RJ45 | 2.0ft (0.6m) | 14.50 | 13.92 | 13.34 | CALL |
| TRD695DSZ- -3 | Double Shielded Cat6 LSZH Patch Cord, RJ45/RJ45 | 3.0ft (0.9m) | 15.64 | 15.01 | 14.39 | CALL |
| TRD695DSZ- -5 | Double Shielded Cat6 LSZH Patch Cord, RJ45/RJ45 | 5.0ft (1.5m) | 17.92 | 17.20 | 16.48 | CALL |
| TRD695DSZ- -7 | Double Shielded Cat6 LSZH Patch Cord, RJ45/RJ45 | 7.0ft (2.1m) | 20.20 | 19.39 | 18.58 | CALL |
| TRD695DSZ- -10 | Double Shielded Cat6 LSZH Patch Cord, RJ45/RJ45 | 10.0ft (3.0m) | 23.61 | 22.67 | 21.73 | CALL |
| TRD695DSZ- -15 | Double Shielded Cat6 LSZH Patch Cord, RJ45/RJ45 | 15.0ft (4.6m) | 29.31 | 28.14 | 26.97 | CALL |
| TRD695DSZ- -25 | Double Shielded Cat6 LSZH Patch Cord, RJ45/RJ45 | 25.0ft (7.6m) | 40.71 | 39.08 | 37.46 | CALL |
| TRD695DSZ- -50 | Double Shielded Cat6 LSZH Patch Cord, RJ45/RJ45 | 50.0ft (15.2m) | 69.21 | 66.44 | 63.67 | CALL |
| TRD695DSZ- -75 | Double Shielded Cat6 LSZH Patch Cord, RJ45/RJ45 | 75.0ft (22.9m) | 97.70 | 93.80 | 89.89 | CALL |
| TRD695DSZ- -100 | Double Shielded Cat6 LSZH Patch Cord, RJ45/RJ45 | 100.0ft (30.4m) | 126.20 | 121.15 | 116.10 | CALL |

Category 6 Double Shielded LSZH 26 AWG Stranded Patch Cords

Category 6 Shielded Patch Cords with LSZH Jacket

This series features a LSZH jacket and a 100% foil shield. The four pair 26 AWG stranded Cat6 cable is terminated with L-com's unique shielded Cat6 plugs, with a fully crimped shield termination that doubles as a strain relief.

| | | | | | | |
|----------------|--|-----------------|--------|--------|--------|------|
| TRD695SZ- -1 | Shielded Cat6 LSZH Patch Cord, RJ45/RJ45 | 1.0ft (0.3m) | 9.21 | 8.94 | 8.66 | CALL |
| TRD695SZ- -2 | Shielded Cat6 LSZH Patch Cord, RJ45/RJ45 | 2.0ft (0.6m) | 10.56 | 10.24 | 9.93 | CALL |
| TRD695SZ- -3 | Shielded Cat6 LSZH Patch Cord, RJ45/RJ45 | 3.0ft (0.9m) | 12.01 | 11.65 | 11.29 | CALL |
| TRD695SZ- -5 | Shielded Cat6 LSZH Patch Cord, RJ45/RJ45 | 5.0ft (1.5m) | 14.81 | 14.36 | 13.92 | CALL |
| TRD695SZ- -7 | Shielded Cat6 LSZH Patch Cord, RJ45/RJ45 | 7.0ft (2.1m) | 17.61 | 17.08 | 16.55 | CALL |
| TRD695SZ- -10 | Shielded Cat6 LSZH Patch Cord, RJ45/RJ45 | 10.0ft (3.0m) | 21.75 | 21.10 | 20.44 | CALL |
| TRD695SZ- -15 | Shielded Cat6 LSZH Patch Cord, RJ45/RJ45 | 15.0ft (4.6m) | 28.80 | 27.93 | 27.07 | CALL |
| TRD695SZ- -25 | Shielded Cat6 LSZH Patch Cord, RJ45/RJ45 | 25.0ft (7.6m) | 42.78 | 41.50 | 40.22 | CALL |
| TRD695SZ- -50 | Shielded Cat6 LSZH Patch Cord, RJ45/RJ45 | 50.0ft (15.2m) | 77.70 | 75.37 | 73.04 | CALL |
| TRD695SZ- -75 | Shielded Cat6 LSZH Patch Cord, RJ45/RJ45 | 75.0ft (22.9m) | 112.73 | 109.35 | 105.96 | CALL |
| TRD695SZ- -100 | Shielded Cat6 LSZH Patch Cord, RJ45/RJ45 | 100.0ft (30.4m) | 147.65 | 143.22 | 138.79 | CALL |

Category 6 Shielded Patch Cords with PVC Jacket



| BLK | BL | GR | R | Y | *--- |
|-----|----|----|---|---|------|
|-----|----|----|---|---|------|

Ordering is easy, add the desired color code to the part number. Ex: TRD695SCR-BLK-3

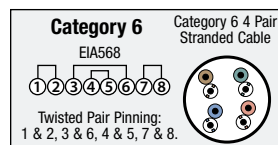
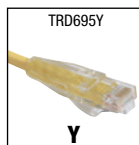
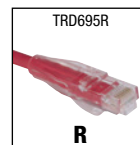
*Note: No suffix necessary for gray assemblies.

| Item # | Description | Length | 1-9 | 10-24 | 25-99 | 100+ |
|-----------------|---|-----------------|-------|-------|-------|------|
| TRD695SCR- -1 | Shielded Category 6 Patch Cord, RJ45/RJ45 | 1.0ft (0.3m) | 8.28 | 8.03 | 7.78 | CALL |
| TRD695SCR- -2 | Shielded Category 6 Patch Cord, RJ45/RJ45 | 2.0ft (0.6m) | 9.11 | 8.83 | 8.56 | CALL |
| TRD695SCR- -3 | Shielded Category 6 Patch Cord, RJ45/RJ45 | 3.0ft (0.9m) | 9.83 | 9.54 | 9.24 | CALL |
| TRD695SCR- -5 | Shielded Category 6 Patch Cord, RJ45/RJ45 | 5.0ft (1.5m) | 11.39 | 11.05 | 10.70 | CALL |
| TRD695SCR- -7 | Shielded Category 6 Patch Cord, RJ45/RJ45 | 7.0ft (2.1m) | 12.94 | 12.55 | 12.17 | CALL |
| TRD695SCR- -10 | Shielded Category 6 Patch Cord, RJ45/RJ45 | 10.0ft (3.0m) | 15.33 | 14.87 | 14.41 | CALL |
| TRD695SCR- -15 | Shielded Category 6 Patch Cord, RJ45/RJ45 | 15.0ft (4.6m) | 19.16 | 18.58 | 18.01 | CALL |
| TRD695SCR- -25 | Shielded Category 6 Patch Cord, RJ45/RJ45 | 25.0ft (7.6m) | 26.93 | 26.12 | 25.31 | CALL |
| TRD695SCR- -50 | Shielded Category 6 Patch Cord, RJ45/RJ45 | 50.0ft (15.2m) | 46.41 | 45.02 | 43.63 | CALL |
| TRD695SCR- -75 | Shielded Category 6 Patch Cord, RJ45/RJ45 | 75.0ft (22.9m) | 65.79 | 63.81 | 61.84 | CALL |
| TRD695SCR- -100 | Shielded Category 6 Patch Cord, RJ45/RJ45 | 100.0ft (30.4m) | 85.27 | 82.71 | 80.15 | CALL |

Premium Category 6 RJ45 Hi-Speed Network Patch Cords with PVC Jacket

Competitive pricing and high quality is what makes L-com's Category 6 patch cords the right choice. Made with high performance 4-pair Category 6 cable and snagless plugs, these cables are ready to be installed in your network.

Affordability and peace of mind are assured when choosing L-com's patch cords. Large volume OEM requests are welcomed with this series. Contact us today for all your patch cord needs.



Ordering is easy, add the desired color code to the part number. Ex: TRD695BL-1

| | | | | | | |
|--------------|----------------------------------|-----------------|-------|-------|-------|------|
| TRD695- -1 | Category 6 Patch Cord, RJ45/RJ45 | 1.0ft (0.3m) | 6.52 | 6.39 | 6.13 | CALL |
| TRD695- -3 | Category 6 Patch Cord, RJ45/RJ45 | 3.0ft (0.9m) | 7.66 | 7.50 | 7.20 | CALL |
| TRD695- -5 | Category 6 Patch Cord, RJ45/RJ45 | 5.0ft (1.5m) | 8.80 | 8.62 | 8.27 | CALL |
| TRD695- -7 | Category 6 Patch Cord, RJ45/RJ45 | 7.0ft (2.1m) | 9.94 | 9.74 | 9.34 | CALL |
| TRD695- -10 | Category 6 Patch Cord, RJ45/RJ45 | 10.0ft (3.0m) | 12.11 | 11.87 | 11.39 | CALL |
| TRD695- -14 | Category 6 Patch Cord, RJ45/RJ45 | 14.0ft (4.3m) | 14.39 | 14.10 | 13.53 | CALL |
| TRD695- -25 | Category 6 Patch Cord, RJ45/RJ45 | 25.0ft (7.6m) | 19.99 | 19.59 | 18.79 | CALL |
| TRD695- -50 | Category 6 Patch Cord, RJ45/RJ45 | 50.0ft (15.2m) | 33.36 | 32.69 | 31.35 | CALL |
| TRD695- -75 | Category 6 Patch Cord, RJ45/RJ45 | 75.0ft (22.9m) | 46.83 | 45.89 | 44.02 | CALL |
| TRD695- -100 | Category 6 Patch Cord, RJ45/RJ45 | 100.0ft (30.4m) | 60.30 | 59.09 | 56.68 | CALL |

| Item # | Description | Length | 1-9 | 10-24 | 25-99 | 100+ |
|--------|-------------|--------|-----|-------|-------|------|
|--------|-------------|--------|-----|-------|-------|------|

Category 6 28 AWG Slim-line Patch Cables

L-com's slim-line Ethernet patch cables are the ideal solution for high density patching applications. The patent pending spline-free design provides a 38% smaller cross sectional area, a perfect solution for applications that require a smaller and more flexible cable. With a performance rating of Category 6, these cables support data rates up to 1Gbps for demanding high-speed voice, video and data applications. L-com's low profile short boot design saves additional space on your patch panel allowing for a clean organized look to patch bays.

| | | | | | | |
|-------------|---|---------------|-------|-------|-------|------|
| TRD628BL-1 | Category 6 Low Profile Ethernet Patch Cable, Blue | 1.0ft (0.3m) | 6.89 | 6.61 | 6.34 | CALL |
| TRD628BL-3 | Category 6 Low Profile Ethernet Patch Cable, Blue | 3.0ft (0.9m) | 7.69 | 7.38 | 7.07 | CALL |
| TRD628BL-5 | Category 6 Low Profile Ethernet Patch Cable, Blue | 5.0ft (1.5m) | 8.49 | 8.15 | 7.81 | CALL |
| TRD628BL-7 | Category 6 Low Profile Ethernet Patch Cable, Blue | 7.0ft (2.1m) | 9.29 | 8.92 | 8.55 | CALL |
| TRD628BL-10 | Category 6 Low Profile Ethernet Patch Cable, Blue | 10.0ft (3.0m) | 10.49 | 10.07 | 9.65 | CALL |
| TRD628BL-14 | Category 6 Low Profile Ethernet Patch Cable, Blue | 14.0ft (4.3m) | 12.09 | 11.61 | 11.12 | CALL |

Category 6a 28 AWG Shielded Slim-line Patch Cables

L-com's slim-line Ethernet patch cables are the ideal solution for high density patching applications. The patent pending spline-free design provides a reduced diameter profile which offers a perfect solution for applications that require a smaller and more flexible cable. With a performance rating of Category 6A, these cables support data rates up to 10Gbps for demanding high-speed voice, video and data applications. L-com's low profile short boot design saves additional space on your patch panel allowing for a clean organized look to patch bays. Available in cable lengths from 1 Foot to 14 Feet.

| | | | | | | |
|--------------|--|---------------|-------|-------|-------|------|
| TRD628ABL-1 | Shielded Cat6a Low Profile Patch Cord, RJ45/RJ45, Blue | 1.0ft (0.3m) | 10.39 | 9.97 | 9.56 | CALL |
| TRD628ABL-3 | Shielded Cat6a Low Profile Patch Cord, RJ45/RJ45, Blue | 3.0ft (0.9m) | 11.59 | 11.13 | 10.66 | CALL |
| TRD628ABL-5 | Shielded Cat6a Low Profile Patch Cord, RJ45/RJ45, Blue | 5.0ft (1.5m) | 12.79 | 12.28 | 11.77 | CALL |
| TRD628ABL-7 | Shielded Cat6a Low Profile Patch Cord, RJ45/RJ45, Blue | 7.0ft (2.1m) | 13.99 | 13.43 | 12.87 | CALL |
| TRD628ABL-10 | Shielded Cat6a Low Profile Patch Cord, RJ45/RJ45, Blue | 10.0ft (3.0m) | 15.79 | 15.16 | 14.53 | CALL |
| TRD628ABL-14 | Shielded Cat6a Low Profile Patch Cord, RJ45/RJ45, Blue | 14.0ft (4.3m) | 18.19 | 17.46 | 16.73 | CALL |

Premium Category 6a RJ45 10-Gig Shielded Patch Cords

L-com's TRD695A Category 6a cable assemblies offer true 10 Gigabit Ethernet speeds at frequencies up to 500 MHz. These robust Category 6a cables are perfect for high speed computing applications often found in data centers. Category 6a cable color options include blue, black, red, and gray.

| Item # | Description | Length | 1-9 | 10-24 | 25-99 | 100+ |
|--------|-------------|--------|-----|-------|-------|------|
|--------|-------------|--------|-----|-------|-------|------|

Ordering is easy, add the desired color code to the part number Ex: TRD695ABLK-1

| | | | | | | |
|------------|--|----------------|-------|-------|-------|------|
| TRD695A-1 | Shielded Category 6a Patch Cord, RJ45/RJ45 | 1.0ft (0.3m) | 11.92 | 11.44 | 10.96 | CALL |
| TRD695A-2 | Shielded Category 6a Patch Cord, RJ45/RJ45 | 2.0ft (0.6m) | 13.00 | 12.48 | 11.96 | CALL |
| TRD695A-3 | Shielded Category 6a Patch Cord, RJ45/RJ45 | 3.0ft (0.9m) | 13.57 | 13.03 | 12.49 | CALL |
| TRD695A-5 | Shielded Category 6a Patch Cord, RJ45/RJ45 | 5.0ft (1.5m) | 15.18 | 14.57 | 13.97 | CALL |
| TRD695A-7 | Shielded Category 6a Patch Cord, RJ45/RJ45 | 7.0ft (2.1m) | 17.36 | 16.66 | 15.97 | CALL |
| TRD695A-10 | Shielded Category 6a Patch Cord, RJ45/RJ45 | 10.0ft (3.0m) | 19.53 | 18.75 | 17.97 | CALL |
| TRD695A-15 | Shielded Category 6a Patch Cord, RJ45/RJ45 | 15.0ft (4.6m) | 23.88 | 22.93 | 21.97 | CALL |
| TRD695A-25 | Shielded Category 6a Patch Cord, RJ45/RJ45 | 25.0ft (7.6m) | 32.59 | 31.28 | 29.98 | CALL |
| TRD695A-50 | Shielded Category 6a Patch Cord, RJ45/RJ45 | 50.0ft (15.2m) | 54.35 | 52.17 | 50.00 | CALL |

Premium Category 6a RJ45 10-Gig LSZH Shielded Patch Cords

L-com's TRD695ASZ series of Category 6a rated cables offer true 10 Gigabit Ethernet speeds as well as meeting LSZH (Low Smoke Zero Halogen) standards for applications where PVC's combustive toxicity is not allowed. Available in blue (BLU), black (BLK) or red (RED).

Ordering is easy, add the desired color code to the part number Ex: TRD695ASZBLU-1

| | | | | | | |
|---------------|--|-----------------|--------|--------|--------|------|
| TRD695ASZ-1 | Shielded Category 6a Patch Cord, RJ45/RJ45 | 1.0ft (0.3m) | 31.96 | 30.68 | 29.40 | CALL |
| TRD695ASZ-2 | Shielded Category 6a Patch Cord, RJ45/RJ45 | 2.0ft (0.6m) | 33.21 | 31.88 | 30.55 | CALL |
| TRD695ASZ-3 | Shielded Category 6a Patch Cord, RJ45/RJ45 | 3.0ft (0.9m) | 34.50 | 33.12 | 31.74 | CALL |
| TRD695ASZ-5 | Shielded Category 6a Patch Cord, RJ45/RJ45 | 5.0ft (1.5m) | 37.00 | 35.52 | 34.04 | CALL |
| TRD695ASZ-7 | Shielded Category 6a Patch Cord, RJ45/RJ45 | 7.0ft (2.1m) | 39.50 | 37.92 | 36.34 | CALL |
| TRD695ASZ-10 | Shielded Category 6a Patch Cord, RJ45/RJ45 | 10.0ft (3.0m) | 43.32 | 41.59 | 39.85 | CALL |
| TRD695ASZ-15 | Shielded Category 6a Patch Cord, RJ45/RJ45 | 15.0ft (4.6m) | 49.57 | 47.59 | 45.60 | CALL |
| TRD695ASZ-25 | Shielded Category 6a Patch Cord, RJ45/RJ45 | 25.0ft (7.6m) | 62.07 | 59.59 | 57.10 | CALL |
| TRD695ASZ-30 | Shielded Category 6a Patch Cord, RJ45/RJ45 | 30.0ft (9.1m) | 68.36 | 65.63 | 62.89 | CALL |
| TRD695ASZ-50 | Shielded Category 6a Patch Cord, RJ45/RJ45 | 50.0ft (15.2m) | 93.36 | 89.63 | 85.89 | CALL |
| TRD695ASZ-75 | Shielded Category 6a Patch Cord, RJ45/RJ45 | 75.0ft (22.9m) | 124.68 | 119.69 | 114.71 | CALL |
| TRD695ASZ-100 | Shielded Category 6a Patch Cord, RJ45/RJ45 | 100.0ft (30.4m) | 155.93 | 149.69 | 143.46 | CALL |



TRD628BL



TRD628ABL



TRD695ABL

BL



TRD695ABLK

BLK



TRD695ARD

RD



TRD695AGRY

GRY



TRD695ASZBLU

BLU



TRD695ASZBLK

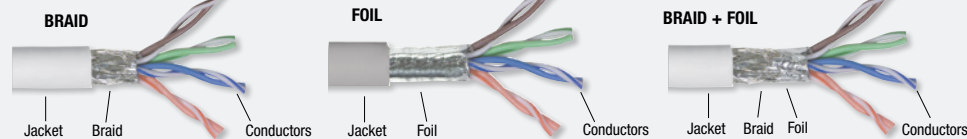
BLK



TRD695ASZRED

RED

Types of Shielded Cabling



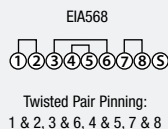
JACKET TYPES:

PVC - Non fire retardant, releases toxic gases when burned.
LSZH - Fire retardant, greatly reduced toxic emissions when burned.
Plenum - Fire retardant.

CONDUCTOR TYPES:

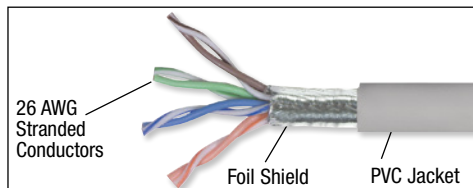
Solid - Less flexible, can be punched into IDC connectors (110, 66, Krone).
Stranded - Most flexible.

Category 5e Patch Cords

Category 5e Stranded
4 Pair Cable

Category 5e Shielded Patch Cords - 4 Pair For EIA568 Wiring

For protection against EMI/RFI interference, L-com's economical shielded patch cables are ideal. With a 100% foil shield covering and 4-Pair 26 AWG stranded conductors, your data is protected from interference. This series is designed to perform to EIA568 standards.



Category 5e Double Shielded LSZH 26 AWG Stranded Patch Cords

This series features 26 AWG stranded conductors that are flexible and easy to install even in tight spaces. L-com stocks lengths up to 300ft (91.4m) and can ship most orders the same day.

| Item # | Description | Color | 1-9 | 10-24 | 25-99 | 100+ |
|--------|-------------|-------|-----|-------|-------|------|
|--------|-------------|-------|-----|-------|-------|------|

Ordering is easy, add the desired color code to the part number. Ex: TRD855DSZBLK-1.

*Note: No suffix necessary for gray assemblies.

| | | | | | | |
|-----------|-----|--|-------|-------|-------|------|
| TRD855DSZ | -1 | Double Shielded Cat5e LSZH Patch Cord, RJ45/RJ45, 1.0ft (0.3m) | 11.91 | 11.43 | 10.95 | CALL |
| TRD855DSZ | -2 | Double Shielded Cat5e LSZH Patch Cord, RJ45/RJ45, 2.0ft (0.6m) | 13.67 | 13.12 | 12.57 | CALL |
| TRD855DSZ | -3 | Double Shielded Cat5e LSZH Patch Cord, RJ45/RJ45, 3.0ft (0.9m) | 15.43 | 14.81 | 14.19 | CALL |
| TRD855DSZ | -5 | Double Shielded Cat5e LSZH Patch Cord, RJ45/RJ45, 5.0ft (1.5m) | 18.95 | 18.19 | 17.44 | CALL |
| TRD855DSZ | -7 | Double Shielded Cat5e LSZH Patch Cord, RJ45/RJ45, 7.0ft (2.1m) | 22.48 | 21.58 | 20.68 | CALL |
| TRD855DSZ | -10 | Double Shielded Cat5e LSZH Patch Cord, RJ45/RJ45, 10.0ft (3.0m) | 27.76 | 26.65 | 25.54 | CALL |
| TRD855DSZ | -15 | Double Shielded Cat5e LSZH Patch Cord, RJ45/RJ45, 15.0ft (4.6m) | 36.57 | 35.10 | 33.64 | CALL |
| TRD855DSZ | -25 | Double Shielded Cat5e LSZH Patch Cord, RJ45/RJ45, 25.0ft (7.6m) | 54.18 | 52.02 | 49.85 | CALL |
| TRD855DSZ | -50 | Double Shielded Cat5e LSZH Patch Cord, RJ45/RJ45, 50.0ft (15.2m) | 98.22 | 94.29 | 90.36 | CALL |

Category 5e Shielded LSZH 26 AWG Stranded Patch Cords

This series features 26 AWG stranded conductors and a 100% foil shield. The LSZH jacket is perfect for environments where PVC's combusive toxicity is restricted. **Note:** TRD855SZ line is only available in black.

| | | | | | | |
|-------------|---|------------|--------|--------|-------|------|
| TRD855SZ-1 | Shielded Cat5e LSZH Patch Cord, RJ45/RJ45, 1.0ft (0.3m) | Black only | 11.28 | 10.83 | 10.38 | CALL |
| TRD855SZ-2 | Shielded Cat5e LSZH Patch Cord, RJ45/RJ45, 2.0ft (0.6m) | Black only | 13.25 | 12.72 | 12.19 | CALL |
| TRD855SZ-3 | Shielded Cat5e LSZH Patch Cord, RJ45/RJ45, 3.0ft (0.9m) | Black only | 15.22 | 14.61 | 14.00 | CALL |
| TRD855SZ-5 | Shielded Cat5e LSZH Patch Cord, RJ45/RJ45, 5.0ft (1.5m) | Black only | 19.16 | 18.39 | 17.63 | CALL |
| TRD855SZ-7 | Shielded Cat5e LSZH Patch Cord, RJ45/RJ45, 7.0ft (2.1m) | Black only | 23.10 | 22.17 | 21.25 | CALL |
| TRD855SZ-10 | Shielded Cat5e LSZH Patch Cord, RJ45/RJ45, 10.0ft (3.0m) | Black only | 29.00 | 27.84 | 26.68 | CALL |
| TRD855SZ-15 | Shielded Cat5e LSZH Patch Cord, RJ45/RJ45, 15.0ft (4.6m) | Black only | 38.85 | 37.29 | 35.74 | CALL |
| TRD855SZ-25 | Shielded Cat5e LSZH Patch Cord, RJ45/RJ45, 25.0ft (7.6m) | Black only | 58.53 | 56.19 | 53.85 | CALL |
| TRD855SZ-50 | Shielded Cat5e LSZH Patch Cord, RJ45/RJ45, 50.0ft (15.2m) | Black only | 107.75 | 103.44 | 99.13 | CALL |

Category 5e Double Shielded LSZH 24 AWG Solid Patch Cords

The TRD855SIG series features 24 AWG solid conductors allowing easy termination to IDC connectors. L-com stocks lengths up to 300ft (91.4m) and can ship most orders the same day.

Ordering is easy, add the desired color code to the part number. Ex: TRD855SIGBLK-1.

*Note: No suffix necessary for gray assemblies.

| | | | | | |
|----------------|--|--------|--------|--------|------|
| TRD855SIG -1 | Double Shielded Cat5e LSZH Patch Cord, RJ45/RJ45 , 1.0ft (0.3m) | 11.80 | 11.33 | 10.86 | CALL |
| TRD855SIG -2 | Double Shielded Cat5e LSZH Patch Cord, RJ45/RJ45 , 2.0ft (0.6m) | 13.46 | 12.92 | 12.38 | CALL |
| TRD855SIG -3 | Double Shielded Cat5e LSZH Patch Cord, RJ45/RJ45 , 3.0ft (0.9m) | 15.12 | 14.51 | 13.91 | CALL |
| TRD855SIG -5 | Double Shielded Cat5e LSZH Patch Cord, RJ45/RJ45 , 5.0ft (1.5m) | 18.43 | 17.70 | 16.96 | CALL |
| TRD855SIG -7 | Double Shielded Cat5e LSZH Patch Cord, RJ45/RJ45 , 7.0ft (2.1m) | 21.75 | 20.88 | 20.01 | CALL |
| TRD855SIG -10 | Double Shielded Cat5e LSZH Patch Cord, RJ45/RJ45 , 10.0ft (3.0m) | 26.72 | 25.65 | 24.59 | CALL |
| TRD855SIG -15 | Double Shielded Cat5e LSZH Patch Cord, RJ45/RJ45 , 15.0ft (4.6m) | 35.01 | 33.61 | 32.21 | CALL |
| TRD855SIG -25 | Double Shielded Cat5e LSZH Patch Cord, RJ45/RJ45 , 25.0ft (7.6m) | 51.59 | 49.53 | 47.47 | CALL |
| TRD855SIG -50 | Double Shielded Cat5e LSZH Patch Cord, RJ45/RJ45 , 50.0ft (15.2m) | 93.04 | 89.32 | 85.60 | CALL |
| TRD855SIG -75 | Double Shielded Cat5e LSZH Patch Cord, RJ45/RJ45 , 75.0ft (22.9m) | 134.49 | 129.11 | 123.73 | CALL |
| TRD855SIG -100 | Double Shielded Cat5e LSZH Patch Cord, RJ45/RJ45 , 100.0ft (30.4m) | 175.94 | 168.90 | 161.86 | CALL |

Category 5e Shielded 26 AWG Stranded Patch Cords

For protection against EMI/RFI interference L-com's economical shielded patch cables are ideal. With a 100% foil shield covering 4-Pair 26 AWG stranded conductors, your data is protected from interference. This series is designed to perform to EIA568 standards.

Ordering is easy, add the desired color code to the part number. Ex: TRD855SCRBLK-3.

*Note: No suffix necessary for gray assemblies.

| | | | | | | |
|------------|-----|---|-------|-------|-------|------|
| TRD855SSCR | -1 | Shielded Cat5e EIA568 Patch Cord, RJ45/RJ45, 1.0ft (0.3m) | 7.14 | 6.85 | 6.57 | CALL |
| TRD855SSCR | -2 | Shielded Cat5e EIA568 Patch Cord, RJ45/RJ45, 2.0ft (0.6m) | 7.76 | 7.45 | 7.14 | CALL |
| TRD855SSCR | -3 | Shielded Cat5e EIA568 Patch Cord, RJ45/RJ45, 3.0ft (0.9m) | 8.38 | 8.05 | 7.71 | CALL |
| TRD855SSCR | -5 | Shielded Cat5e EIA568 Patch Cord, RJ45/RJ45, 5.0ft (1.5m) | 9.63 | 9.24 | 8.86 | CALL |
| TRD855SSCR | -7 | Shielded Cat5e EIA568 Patch Cord, RJ45/RJ45, 7.0ft (2.1m) | 10.87 | 10.43 | 10.00 | CALL |
| TRD855SSCR | -10 | Shielded Cat5e EIA568 Patch Cord, RJ45/RJ45, 10.0ft (3.0m) | 12.73 | 12.23 | 11.72 | CALL |
| TRD855SSCR | -15 | Shielded Cat5e EIA568 Patch Cord, RJ45/RJ45, 15.0ft (4.6m) | 15.84 | 15.21 | 14.58 | CALL |
| TRD855SSCR | -25 | Shielded Cat5e EIA568 Patch Cord, RJ45/RJ45, 25.0ft (7.6m) | 22.06 | 21.18 | 20.30 | CALL |
| TRD855SSCR | -50 | Shielded Cat5e EIA568 Patch Cord, RJ45/RJ45, 50.0ft (15.2m) | 37.60 | 36.10 | 34.60 | CALL |

Best Seller

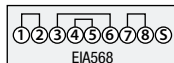


Best Seller



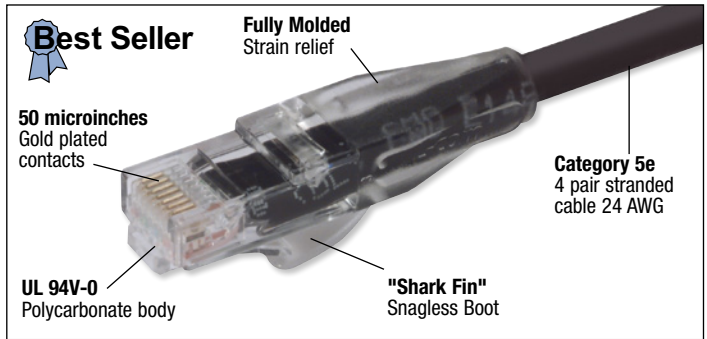
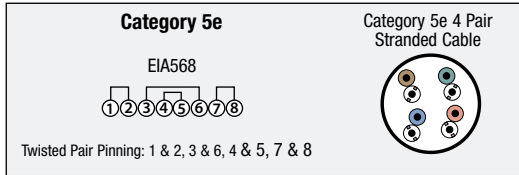
SHIELDED CATEGORY 5e

- 4 pair 24 AWG solid
- LSZH jacket
- Braid + foil shielding



Premium Category 5e RJ45 Molded Ethernet Patch Cords

Designed for today's high-density patch panels, these unique Category 5e molded patch cords feature an easy to depress "shark fin" snagless molded boot that makes connecting cables easier. The clear boot also allows the color of each cable to be easily seen on each port for easy cable identification. Each cable is tested for Category 5e performance to ensure maximum network throughput.



BL BLK GR R Y GRY WHT OR V

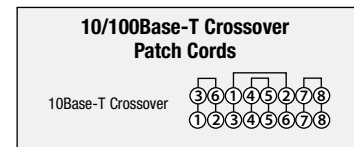
Ordering is easy, add the desired color code to the part number. Ex: TRD815BL-3

| Item # | Description | Length | 1-9 | 10-24 | 25-99 | 100+ |
|-------------|-----------------------------------|-----------------|-------|-------|-------|------|
| TRD815 -3 | Category 5e Patch Cord, RJ45/RJ45 | 3.0ft (0.9m) | 4.45 | 4.00 | 3.56 | CALL |
| TRD815 -5 | Category 5e Patch Cord, RJ45/RJ45 | 5.0ft (1.5m) | 5.48 | 4.93 | 4.39 | CALL |
| TRD815 -7 | Category 5e Patch Cord, RJ45/RJ45 | 7.0ft (2.1m) | 6.62 | 5.96 | 5.30 | CALL |
| TRD815 -10 | Category 5e Patch Cord, RJ45/RJ45 | 10.0ft (3.0m) | 7.66 | 6.89 | 6.13 | CALL |
| TRD815 -14 | Category 5e Patch Cord, RJ45/RJ45 | 14.0ft (4.3m) | 9.83 | 8.85 | 7.87 | CALL |
| TRD815 -25 | Category 5e Patch Cord, RJ45/RJ45 | 25.0ft (7.6m) | 15.33 | 13.79 | 12.26 | CALL |
| TRD815 -50 | Category 5e Patch Cord, RJ45/RJ45 | 50.0ft (15.2m) | 27.24 | 24.52 | 21.79 | CALL |
| TRD815 -75 | Category 5e Patch Cord, RJ45/RJ45 | 75.0ft (22.9m) | 39.26 | 35.34 | 31.41 | CALL |
| TRD815 -100 | Category 5e Patch Cord, RJ45/RJ45 | 100.0ft (30.4m) | 51.18 | 46.06 | 40.94 | CALL |

Premium Category 5e RJ45 Molded Crossover Ethernet Patch Cords

Also designed for today's high-density patch panels, these unique Category 5e molded patch cords feature an easy to depress "shark fin" snagless molded boot that makes connecting cables effortless. The clear boot also allows the color of each cable to be easily

seen up to each port for easy cable identification. Each cable is crossover wired (EIA568A/B) for usage as either uplink connections or for direct connecting of two computers. Contact us today for all your patch cord needs.



Ordering is easy, add the desired color code to the part number Ex: TRD815CRBL-3

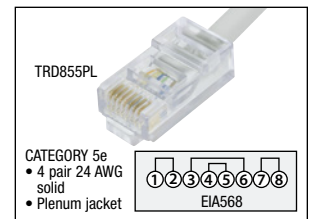
| | | | | | | |
|--------------|--|---------------|-------|-------|-------|------|
| TRD815CR -1 | Cat5e 10/100Base-T Crossover Patch Cord, RJ45/RJ45 | 1.0ft (0.3m) | 3.41 | 3.14 | 2.86 | CALL |
| TRD815CR -2 | Cat5e 10/100Base-T Crossover Patch Cord, RJ45/RJ45 | 2.0ft (0.6m) | 4.03 | 3.71 | 3.39 | CALL |
| TRD815CR -3 | Cat5e 10/100Base-T Crossover Patch Cord, RJ45/RJ45 | 3.0ft (0.9m) | 4.55 | 4.19 | 3.82 | CALL |
| TRD815CR -5 | Cat5e 10/100Base-T Crossover Patch Cord, RJ45/RJ45 | 5.0ft (1.5m) | 5.69 | 5.23 | 4.78 | CALL |
| TRD815CR -7 | Cat5e 10/100Base-T Crossover Patch Cord, RJ45/RJ45 | 7.0ft (2.1m) | 6.83 | 6.28 | 5.74 | CALL |
| TRD815CR -10 | Cat5e 10/100Base-T Crossover Patch Cord, RJ45/RJ45 | 10.0ft (3.0m) | 7.86 | 7.24 | 6.61 | CALL |
| TRD815CR -15 | Cat5e 10/100Base-T Crossover Patch Cord, RJ45/RJ45 | 15.0ft (4.6m) | 10.14 | 9.33 | 8.52 | CALL |
| TRD815CR -25 | Cat5e 10/100Base-T Crossover Patch Cord, RJ45/RJ45 | 25.0ft (7.6m) | 14.60 | 13.43 | 12.26 | CALL |

| Item # | Description | Length | Color | 1-9 | 10-24 | 25-99 | 100+ |
|--------|-------------|--------|-------|-----|-------|-------|------|
|--------|-------------|--------|-------|-----|-------|-------|------|

Category 5e RJ45 to RJ45 Plenum Patch Cords - 4 Pair Solid for EIA568 Wiring

Designed for environments where PVC's combustive toxicity is restricted, L-com's Plenum Ethernet Cables provide the ideal alternative. The Category 5E rated plug and cable is designed for high-speed network systems. Ensure the protection of your investment by utilizing these L-com exclusive Plenum cables.

| | | | | | | | |
|--------------|---|-----------------|-------|--------|--------|--------|------|
| TRD855PL-1 | Cat5e EIA568 Plenum Patch Cord, RJ45/RJ45 | 1.0ft (0.3m) | White | 13.15 | 12.89 | 12.36 | CALL |
| TRD855PL-2 | Cat5e EIA568 Plenum Patch Cord, RJ45/RJ45 | 2.0ft (0.6m) | White | 13.77 | 13.50 | 12.94 | CALL |
| TRD855PL-3 | Cat5e EIA568 Plenum Patch Cord, RJ45/RJ45 | 3.0ft (0.9m) | White | 14.50 | 14.21 | 13.63 | CALL |
| TRD855PL-5 | Cat5e EIA568 Plenum Patch Cord, RJ45/RJ45 | 5.0ft (1.5m) | White | 15.84 | 15.53 | 14.89 | CALL |
| TRD855PL-7 | Cat5e EIA568 Plenum Patch Cord, RJ45/RJ45 | 7.0ft (2.1m) | White | 17.19 | 16.85 | 16.16 | CALL |
| TRD855PL-10 | Cat5e EIA568 Plenum Patch Cord, RJ45/RJ45 | 10.0ft (3.0m) | White | 19.16 | 18.78 | 18.01 | CALL |
| TRD855PL-15 | Cat5e EIA568 Plenum Patch Cord, RJ45/RJ45 | 15.0ft (4.6m) | White | 22.58 | 22.13 | 21.22 | CALL |
| TRD855PL-25 | Cat5e EIA568 Plenum Patch Cord, RJ45/RJ45 | 25.0ft (7.6m) | White | 29.31 | 28.73 | 27.56 | CALL |
| TRD855PL-50 | Cat5e EIA568 Plenum Patch Cord, RJ45/RJ45 | 50.0ft (15.2m) | White | 46.10 | 45.18 | 43.33 | CALL |
| TRD855PL-75 | Cat5e EIA568 Plenum Patch Cord, RJ45/RJ45 | 75.0ft (22.9m) | White | 62.99 | 61.73 | 59.21 | CALL |
| TRD855PL-100 | Cat5e EIA568 Plenum Patch Cord, RJ45/RJ45 | 100.0ft (30.4m) | White | 79.78 | 78.18 | 74.99 | CALL |
| TRD855PL-150 | Cat5e EIA568 Plenum Patch Cord, RJ45/RJ45 | 150.0ft (45.7m) | White | 113.45 | 111.18 | 106.65 | CALL |
| TRD855PL-200 | Cat5e EIA568 Plenum Patch Cord, RJ45/RJ45 | 200.0ft (60.9m) | White | 147.13 | 144.19 | 138.30 | CALL |
| TRD855PL-250 | Cat5e EIA568 Plenum Patch Cord, RJ45/RJ45 | 250.0ft (76.2m) | White | 180.81 | 177.19 | 169.96 | CALL |
| TRD855PL-300 | Cat5e EIA568 Plenum Patch Cord, RJ45/RJ45 | 300.0ft (91.4m) | White | 214.48 | 210.19 | 201.61 | CALL |



What is the difference between stranded and solid cable?

Online Video

L-com.com/Videos/A19

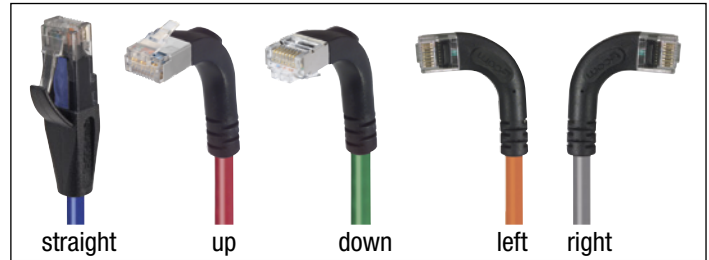
Premium Category 5e RJ45 Right Angle Ethernet Patch Cords

L-com's unique, patented design, right angle patch cables provide true Category 5e performance at an affordable price. These right angle Ethernet patch cables feature a specialized channel separator and load bar to achieve Category 5e performance while maintaining a right angle bend. L-com's right angle cables are superior to competitor's right angle assemblies.

We've tested it ourselves and the competitor's right angle cables do not pass Category 5e testing for NEXT or Return Loss since the twists of the individual pairs are not maintained through the strain relief and into the connector body. These industry first cables are perfect for use in tight fit applications and dense connectivity applications commonly found in data centers.

Choosing the correct orientation Right Angle for your specific need:**DIRECTION - Add Code**

| | Straight | Down | Up | Right | Left |
|----------|----------|------|------|-------|------|
| Straight | N/A | RA1 | RA2 | RA7 | RA6 |
| Down | RA1 | RA3 | RA4 | RA10 | RA11 |
| Up | RA2 | RA4 | RA5 | RA12 | RA13 |
| Right | RA7 | RA10 | RA12 | RA14 | RA8 |
| Left | RA6 | RA11 | RA13 | RA8 | RA9 |

**Right Angle Direction**

TRD815SRA10BLK-1

Series

Category

815 = Cat5e
695 = Cat6**JACKET/SHIELDING - Add Code**

PVC: Industry standard jacket
LSZH: Free of harmful halogens if burned to protect people and valuable equipment.



Unshielded



Shielded

PVC Unshielded = no S

PVC Shielded = **S**LSZH Unshielded = **Z***LSZH Shielded = **SZ*****COLORS - Add Code**

| | |
|--|-------------|
| | BLK* |
| | BL |
| | GR |
| | OR |
| | RD* |
| | Y |
| | GRY* |

LENGTHS - Add Code

Available off the shelf lengths in feet:
1, 2, 3, 5, 7, 10, 15, 20, 25 & 30

*LSZH types are only available in BLK, RD or GRY

| | 5E Unshielded (add color & length) | 5E Shielded (add color & length) | 5E Unshielded LSZH (add color* & length) | 5E Shielded LSZH (add color* & length) | 6 Unshielded (add color & length) | 6 Shielded (add color* & length) | 6 Unshielded LSZH (add color* & length) | 6 Shielded LSZH (add color* & length) |
|--------------------|---------------------------------------|-------------------------------------|---|---|--------------------------------------|-------------------------------------|--|--|
| 1 = Down-Straight | Blank | Blank | TRD815ZRA1_- | TRD815SZRA1_- | TRD695RA1_- | TRD695SRA1_- | TRD695ZRA1_- | TRD695SZRA1_- |
| 2 = Up-Straight | TRD815RA2_- | TRD815SRA2_- | TRD815ZRA2_- | TRD815SZRA2_- | TRD695RA2_- | TRD695SRA2_- | TRD695ZRA2_- | TRD695SZRA2_- |
| 3 = Down-Down | TRD815RA3_- | TRD815SRA3_- | TRD815ZRA3_- | TRD815SZRA3_- | TRD695RA3_- | TRD695SRA3_- | TRD695ZRA3_- | TRD695SZRA3_- |
| 4 = Down-Up | TRD815RA4_- | TRD815SRA4_- | TRD815ZRA4_- | TRD815SZRA4_- | TRD695RA4_- | TRD695SRA4_- | TRD695ZRA4_- | TRD695SZRA4_- |
| 5 = Up-Up | TRD815RA5_- | TRD815SRA5_- | TRD815ZRA5_- | TRD815SZRA5_- | TRD695RA5_- | TRD695SRA5_- | TRD695ZRA5_- | TRD695SZRA5_- |
| 6 = Left-Straight | TRD815RA6_- | TRD815SRA6_- | TRD815ZRA6_- | TRD815SZRA6_- | TRD695RA6_- | TRD695SRA6_- | TRD695ZRA6_- | TRD695SZRA6_- |
| 7 = Right-Straight | TRD815RA7_- | TRD815SRA7_- | TRD815ZRA7_- | TRD815SZRA7_- | TRD695RA7_- | TRD695SRA7_- | TRD695ZRA7_- | TRD695SZRA7_- |
| 8 = Left-Right | TRD815RA8_- | TRD815SRA8_- | TRD815ZRA8_- | TRD815SZRA8_- | TRD695RA8_- | TRD695SRA8_- | TRD695ZRA8_- | TRD695SZRA8_- |
| 9 = Left-Left | TRD815RA9_- | TRD815SRA9_- | TRD815ZRA9_- | TRD815SZRA9_- | TRD695RA9_- | TRD695SRA9_- | TRD695ZRA9_- | TRD695SZRA9_- |
| 10 = Down-Right | TRD815RA10_- | TRD815SRA10_- | TRD815ZRA10_- | TRD815SZRA10_- | TRD695RA10_- | TRD695SRA10_- | TRD695ZRA10_- | TRD695SZRA10_- |
| 11 = Down-Left | TRD815RA11_- | TRD815SRA11_- | TRD815ZRA11_- | TRD815SZRA11_- | TRD695RA11_- | TRD695SRA11_- | TRD695ZRA11_- | TRD695SZRA11_- |
| 12 = Up-Right | TRD815RA12_- | TRD815SRA12_- | TRD815ZRA12_- | TRD815SZRA12_- | TRD695RA12_- | TRD695SRA12_- | TRD695ZRA12_- | TRD695SZRA12_- |
| 13 = Up-Left | TRD815RA13_- | TRD815SRA13_- | TRD815ZRA13_- | TRD815SZRA13_- | TRD695RA13_- | TRD695SRA13_- | TRD695ZRA13_- | TRD695SZRA13_- |
| 14 = Right-Right | TRD815RA14_- | TRD815SRA14_- | TRD815ZRA14_- | TRD815SZRA14_- | TRD695RA14_- | TRD695SRA14_- | TRD695ZRA14_- | TRD695SZRA14_- |

Exclusive
Patented Design

*Right Angle Cable
Options To Consider*

Online Video

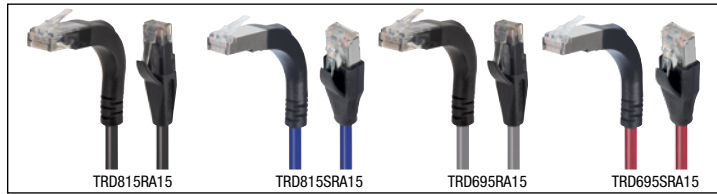
L-com.com/Videos/A33

Family List Prices - All colors and boot directions same price within each family.

| Length | TRD695RA | TRD695SRA | TRD695ZRA | TRD695SZRA | TRD815RA | TRD815SRA | TRD815ZRA | TRD815SZRA |
|--------------------|----------|-----------|-----------|------------|----------|-----------|-----------|------------|
| 1 = 1.0ft (0.3m) | 8.90 | 9.94 | 15.53 | 19.68 | 5.48 | 10.66 | 13.98 | 16.88 |
| 2 = 2.0ft (0.6m) | 9.21 | 10.56 | 16.98 | 21.96 | 5.79 | 11.28 | 15.12 | 18.74 |
| 3 = 3.0ft (0.9m) | 9.94 | 11.39 | 18.64 | 24.03 | 6.21 | 11.70 | 16.57 | 20.71 |
| 5 = 5.0ft (1.5m) | 10.87 | 12.73 | 21.54 | 28.38 | 6.83 | 12.84 | 19.37 | 24.55 |
| 7 = 7.0ft (2.1m) | 11.91 | 14.19 | 24.44 | 32.73 | 7.55 | 13.87 | 22.16 | 28.38 |
| 10 = 10.0ft (3.0m) | 13.25 | 16.36 | 29.00 | 39.16 | 8.90 | 15.43 | 26.31 | 34.08 |
| 15 = 15.0ft (4.6m) | 15.64 | 19.99 | 36.46 | 49.93 | 10.56 | 18.12 | 33.25 | 43.72 |
| 20 = 20.0ft (6.1m) | 18.33 | 23.61 | 43.92 | 60.71 | 12.32 | 20.71 | 40.19 | 53.25 |
| 25 = 25.0ft (7.6m) | 20.71 | 27.14 | 51.39 | 71.49 | 13.98 | 23.30 | 46.93 | 62.89 |
| 30 = 30.0ft (9.1m) | 23.41 | 30.76 | 58.85 | 82.26 | 15.64 | 26.10 | 53.98 | 72.42 |

Premium Category 5e and 6 RJ45 90° Stackable Angle Ethernet Patch Cords

L-com's unique, patented, stackable right angle Ethernet cable assemblies provide true Category 5e and 6 performance at an affordable price. Our right angle Ethernet cable assemblies feature a specialized channel separator and load bar to achieve high performance while maintaining a right angle bend. Stackable Ethernet is designed to be used with L-com's standard 90 degree boot to "stak" the cables and achieve maximum panel density while allowing the cables to exit in the same direction. These cable assemblies are superior to competitor's right angle cable assemblies. L-com's industry first right angle Ethernet cables are perfect for use in tight fit applications and dense connectivity applications commonly found in data centers and enclosures. We offer Category 5e and 6 shielded and unshielded stackable right angle cable assemblies off the shelf.



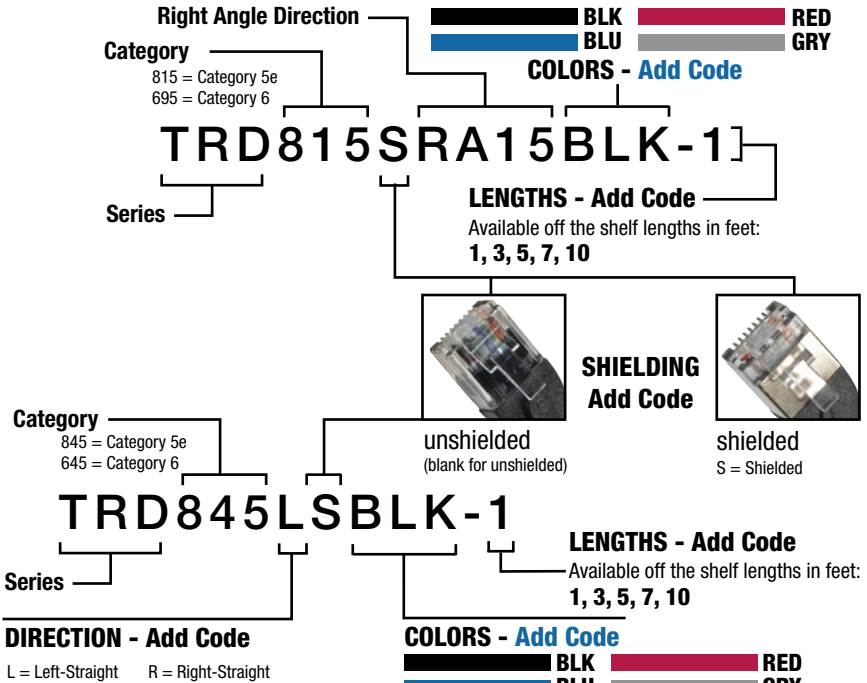
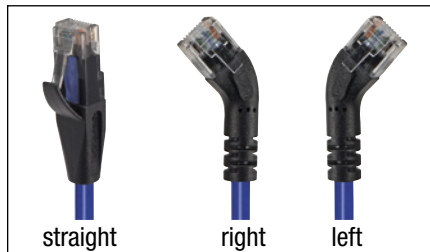
Family List Prices - All colors same price within each family.

| Length | TRD815RA15 | TRD815SRA15 | TRD695RA15 | TRD695SRA15 |
|--------------------|------------|-------------|------------|-------------|
| 1 = 1.0ft (0.3m) | 5.29 | 10.29 | 8.59 | 9.59 |
| 3 = 3.0ft (0.9m) | 5.99 | 11.29 | 9.59 | 10.99 |
| 5 = 5.0ft (1.5m) | 6.59 | 12.39 | 10.49 | 12.29 |
| 7 = 7.0ft (2.1m) | 7.29 | 13.39 | 11.49 | 13.69 |
| 10 = 10.0ft (3.0m) | 8.59 | 14.89 | 12.79 | 15.79 |



Premium Category 5e and 6 RJ45 45° Angle Ethernet Patch Cords

L-com's unique patented design, 45 degree angle patch cables provide true Cat5e and Cat6 performance at an affordable price. These angled Ethernet patch cables feature a specialized channel separator and load bar to achieve performance while maintaining a smooth bend. Add a professional look to your patch panels with neatly organized cable exits to the sides of a patch panel.



| | 5e Unshielded (add color & length) | 5e Shielded (add color & length) | 6 Unshielded (add color & length) | 6 Shielded (add color & length) |
|--------------------|---------------------------------------|-------------------------------------|--------------------------------------|------------------------------------|
| L = Left-Straight | TRD845L _ _ | TRD845LS _ _ | TRD645L _ _ | TRD645LS _ _ |
| R = Right-Straight | TRD845R _ _ | TRD845RS _ _ | TRD645R _ _ | TRD645RS _ _ |

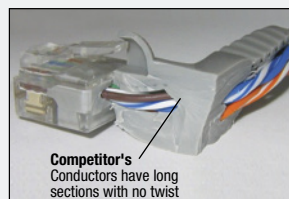
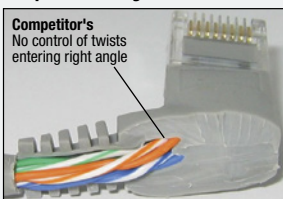
Family List Prices - All colors and boot directions same price within each family.

| Length | TRD845L | TRD845LS | TRD845R | TRD845RS | TRD645L | TRD645LS | TRD645R | TRD645RS |
|--------------------|---------|----------|---------|----------|---------|----------|---------|----------|
| 1 = 1.0ft (0.3m) | 8.28 | 9.83 | 8.28 | 9.83 | 9.32 | 11.39 | 9.32 | 11.39 |
| 3 = 3.0ft (0.9m) | 8.80 | 10.87 | 8.80 | 10.87 | 9.83 | 12.42 | 9.83 | 12.42 |
| 5 = 5.0ft (1.5m) | 9.32 | 11.91 | 9.32 | 11.91 | 10.87 | 13.46 | 10.87 | 13.46 |
| 7 = 7.0ft (2.1m) | 9.83 | 12.42 | 9.83 | 12.42 | 11.39 | 15.01 | 11.39 | 15.01 |
| 10 = 10.0ft (3.0m) | 10.87 | 13.98 | 10.87 | 13.98 | 12.42 | 16.57 | 12.42 | 16.57 |

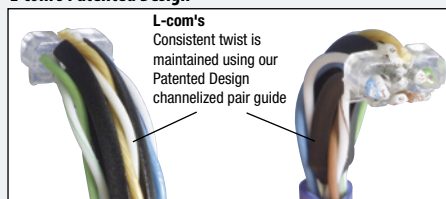
What makes L-com's Right Angle Category 5e cable design superior?

Our competitors' right angle cable designs are inferior as they do not maintain the proper pair twists as the cable enters the right angle. These cables have no mechanism for controlling the twisted pairs as they travel through the right angle strain relief. We tested these cables ourselves and they do not pass Cat5e testing for NEXT or Return Loss.

Competitors' Design



L-com's Patented Design

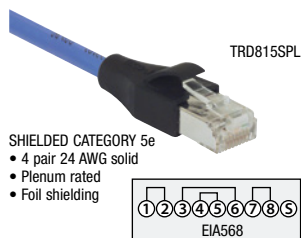


Right Angle Cable Options To Consider

Online Video

L-com.com/Videos/A33





| Item # | Description | Color | 1-9 | 10-24 | 25-99 | 100+ |
|---------------|--|-------|--------|--------|--------|------|
| TRD815SPL-1 | Shielded Cat5e Plenum Patch Cord, RJ45/RJ45, 1.0ft (0.3m) | Blue | 29.11 | 28.52 | 27.36 | CALL |
| TRD815SPL-3 | Shielded Cat5e Plenum Patch Cord, RJ45/RJ45, 3.0ft (0.9m) | Blue | 32.53 | 31.88 | 30.57 | CALL |
| TRD815SPL-5 | Shielded Cat5e Plenum Patch Cord, RJ45/RJ45, 5.0ft (1.5m) | Blue | 36.05 | 35.33 | 33.89 | CALL |
| TRD815SPL-7 | Shielded Cat5e Plenum Patch Cord, RJ45/RJ45, 7.0ft (2.1m) | Blue | 39.57 | 38.78 | 37.20 | CALL |
| TRD815SPL-10 | Shielded Cat5e Plenum Patch Cord, RJ45/RJ45, 10.0ft (3.0m) | Blue | 44.75 | 43.86 | 42.07 | CALL |
| TRD815SPL-15 | Shielded Cat5e Plenum Patch Cord, RJ45/RJ45, 15.0ft (4.6m) | Blue | 53.46 | 52.39 | 50.25 | CALL |
| TRD815SPL-25 | Shielded Cat5e Plenum Patch Cord, RJ45/RJ45, 25.0ft (7.6m) | Blue | 70.87 | 69.45 | 66.61 | CALL |
| TRD815SPL-50 | Shielded Cat5e Plenum Patch Cord, RJ45/RJ45, 50.0ft (15.2m) | Blue | 114.39 | 112.10 | 107.52 | CALL |
| TRD815SPL-100 | Shielded Cat5e Plenum Patch Cord, RJ45/RJ45, 100.0ft (30.4m) | Blue | 201.43 | 197.40 | 189.34 | CALL |

Category 5e Shielded Ethernet Cable - RJ11 2 Pair Voice and Data Patch Cable

These screened (shielded) patch cords are great for use in electrically noisy environments where EMI is an issue.

Category 5e Shielded RJ11 to RJ11 Patch Cords - 2 Pair USOC Wiring

| | | | | | | |
|---------------|--|-------|-------|-------|-------|------|
| TRDU45SCR-1 | Shielded Cat5e USOC-4 Patch Cord, RJ11/RJ11, 1.0ft (0.3m) | Beige | 4.86 | 4.57 | 4.28 | CALL |
| TRDU45SCR-3 | Shielded Cat5e USOC-4 Patch Cord, RJ11/RJ11, 3.0ft (0.9m) | Beige | 5.90 | 5.54 | 5.19 | CALL |
| TRDU45SCR-5 | Shielded Cat5e USOC-4 Patch Cord, RJ11/RJ11, 5.0ft (1.5m) | Beige | 6.83 | 6.42 | 6.01 | CALL |
| TRDU45SCR-7 | Shielded Cat5e USOC-4 Patch Cord, RJ11/RJ11, 7.0ft (2.1m) | Beige | 7.86 | 7.39 | 6.92 | CALL |
| TRDU45SCR-10 | Shielded Cat5e USOC-4 Patch Cord, RJ11/RJ11, 10.0ft (3.0m) | Beige | 9.32 | 8.76 | 8.20 | CALL |
| TRDU45SCR-15 | Shielded Cat5e USOC-4 Patch Cord, RJ11/RJ11, 15.0ft (4.6m) | Beige | 11.80 | 11.09 | 10.39 | CALL |
| TRDU45SCR-25 | Shielded Cat5e USOC-4 Patch Cord, RJ11/RJ11, 25.0ft (7.6m) | Beige | 16.78 | 15.77 | 14.76 | CALL |
| TRDU45SCR-50 | Shielded Cat5e USOC-4 Patch Cord, RJ11/RJ11, 50.0ft (15.2m) | Beige | 29.21 | 27.46 | 25.71 | CALL |
| TRDU45SCR-100 | Shielded Cat5e USOC-4 Patch Cord, RJ11/RJ11, 100.0ft (30.4m) | Beige | 54.08 | 50.83 | 47.59 | CALL |

Category 5e Shielded RJ45 to RJ45 Crossover Patch Cords

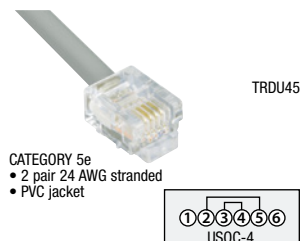
| | | | | | | |
|---------------|---|----------|-------|-------|-------|------|
| TRD855XCR-1 | Shielded Cat5e Crossover Patch Cord, RJ45/RJ45, 1.0ft (0.3m) | Lt. Gray | 8.38 | 7.71 | 7.04 | CALL |
| TRD855XCR-3 | Shielded Cat5e Crossover Patch Cord, RJ45/RJ45, 3.0ft (0.9m) | Lt. Gray | 9.63 | 8.86 | 8.09 | CALL |
| TRD855XCR-5 | Shielded Cat5e Crossover Patch Cord, RJ45/RJ45, 5.0ft (1.5m) | Lt. Gray | 10.87 | 10.00 | 9.13 | CALL |
| TRD855XCR-7 | Shielded Cat5e Crossover Patch Cord, RJ45/RJ45, 7.0ft (2.1m) | Lt. Gray | 12.11 | 11.14 | 10.18 | CALL |
| TRD855XCR-10 | Shielded Cat5e Crossover Patch Cord, RJ45/RJ45, 10.0ft (3.0m) | Lt. Gray | 13.98 | 12.86 | 11.74 | CALL |
| TRD855XCR-15 | Shielded Cat5e Crossover Patch Cord, RJ45/RJ45, 15.0ft (4.6m) | Lt. Gray | 17.09 | 15.72 | 14.35 | CALL |
| TRD855XCR-25 | Shielded Cat5e Crossover Patch Cord, RJ45/RJ45, 25.0ft (7.6m) | Lt. Gray | 23.30 | 21.44 | 19.58 | CALL |
| TRD855XCR-50 | Shielded Cat5e Crossover Patch Cord, RJ45/RJ45, 50.0ft (15.2m) | Lt. Gray | 38.85 | 35.74 | 32.63 | CALL |
| TRD855XCR-100 | Shielded Cat5e Crossover Patch Cord, RJ45/RJ45, 100.0ft (30.4m) | Lt. Gray | 69.93 | 64.34 | 58.74 | CALL |

Tip Which patch cords are best for a 10/100 Mbps Ethernet network?

Any of the TRD815 series patch cords will work effectively for ethernet networks. Choosing different colors for separate network segments in your wiring closet makes troubleshooting quick and easy.



Unshielded Patch Cords



Unshielded Twisted Pair Patch Cords - Category 5e, For Most Network Environments

L-com offers the high quality Category 5e patch cords for use in today's rapidly changing network environments. Category 5e calls for 100 MHz bandwidth @ 100 Mbps data rate which is currently more than adequate for standard Ethernet environments. Unshielded assemblies are manufactured with UL Listed 24 AWG stranded cable with PVC jacket. Plugs have 50 microinches (1.27µm) of gold; assemblies tested 100% prior to shipping.

Category 5e RJ11 to RJ11 Patch Cords - 2 Pair Stranded for 4 and 16 Mb Token Ring

| | | | | | | |
|------------|---|-------|-------|-------|-------|------|
| TRDU45-2 | Cat5e USOC-4 Patch Cord, RJ11/RJ11, 2.0ft (0.6m) | Beige | 3.62 | 3.40 | 3.18 | CALL |
| TRDU45-3 | Cat5e USOC-4 Patch Cord, RJ11/RJ11, 3.0ft (0.9m) | Beige | 3.93 | 3.69 | 3.46 | CALL |
| TRDU45-5 | Cat5e USOC-4 Patch Cord, RJ11/RJ11, 5.0ft (1.5m) | Beige | 4.45 | 4.18 | 3.91 | CALL |
| TRDU45-7 | Cat5e USOC-4 Patch Cord, RJ11/RJ11, 7.0ft (2.1m) | Beige | 4.96 | 4.67 | 4.37 | CALL |
| TRDU45-10 | Cat5e USOC-4 Patch Cord, RJ11/RJ11, 10.0ft (3.0m) | Beige | 5.69 | 5.35 | 5.01 | CALL |
| TRDU45-15 | Cat5e USOC-4 Patch Cord, RJ11/RJ11, 15.0ft (4.6m) | Beige | 7.04 | 6.61 | 6.19 | CALL |
| TRDU45-25 | Cat5e USOC-4 Patch Cord, RJ11/RJ11, 25.0ft (7.6m) | Beige | 9.63 | 9.05 | 8.47 | CALL |
| TRDU45-50 | Cat5e USOC-4 Patch Cord, RJ11/RJ11, 50.0ft (15.2m) | Beige | 16.05 | 15.09 | 14.12 | CALL |
| TRDU45-100 | Cat5e USOC-4 Patch Cord, RJ11/RJ11, 100.0ft (30.4m) | Beige | 29.00 | 27.26 | 25.52 | CALL |

Twisted Pair Pinning: 2 & 5, 3 & 4

Category 5e RJ45 to RJ45 Patch Cords - 2 Pair Stranded 24 AWG for Ethernet

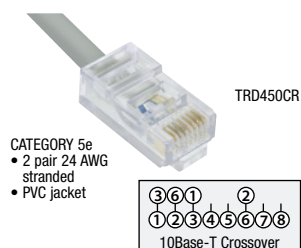
| | | | | | | |
|------------|---|-------|-------|-------|-------|------|
| TRD450-2 | Cat5e 10Base-T Patch Cord, RJ45/RJ45, 2.0ft (0.6m) | Beige | 5.48 | 5.15 | 4.82 | CALL |
| TRD450-3 | Cat5e 10Base-T Patch Cord, RJ45/RJ45, 3.0ft (0.9m) | Beige | 5.79 | 5.44 | 5.10 | CALL |
| TRD450-5 | Cat5e 10Base-T Patch Cord, RJ45/RJ45, 5.0ft (1.5m) | Beige | 6.31 | 5.93 | 5.55 | CALL |
| TRD450-7 | Cat5e 10Base-T Patch Cord, RJ45/RJ45, 7.0ft (2.1m) | Beige | 6.83 | 6.42 | 6.01 | CALL |
| TRD450-10 | Cat5e 10Base-T Patch Cord, RJ45/RJ45, 10.0ft (3.0m) | Beige | 7.55 | 7.10 | 6.65 | CALL |
| TRD450-15 | Cat5e 10Base-T Patch Cord, RJ45/RJ45, 15.0ft (4.6m) | Beige | 8.90 | 8.37 | 7.83 | CALL |
| TRD450-25 | Cat5e 10Base-T Patch Cord, RJ45/RJ45, 25.0ft (7.6m) | Beige | 11.49 | 10.80 | 10.11 | CALL |
| TRD450-50 | Cat5e 10Base-T Patch Cord, RJ45/RJ45, 50.0ft (15.2m) | Beige | 18.64 | 17.52 | 16.40 | CALL |
| TRD450-100 | Cat5e 10Base-T Patch Cord, RJ45/RJ45, 100.0ft (30.4m) | Beige | 32.53 | 30.57 | 28.62 | CALL |

Twisted Pair Pinning: 1 & 2, 3 & 6.

Category 5e RJ45 to RJ45 Crossover Patch Cords - 2 Pair Stranded for Ethernet Hub Stacking

| | | | | | | |
|--------------|---|-------|-------|-------|-------|------|
| TRD450CR-2 | Cat5e 10Base-T Crossover Patch Cord, RJ45/RJ45, 2.0ft (0.6m) | Beige | 5.48 | 5.15 | 4.82 | CALL |
| TRD450CR-3 | Cat5e 10Base-T Crossover Patch Cord, RJ45/RJ45, 3.0ft (0.9m) | Beige | 5.79 | 5.44 | 5.10 | CALL |
| TRD450CR-5 | Cat5e 10Base-T Crossover Patch Cord, RJ45/RJ45, 5.0ft (1.5m) | Beige | 6.31 | 5.93 | 5.55 | CALL |
| TRD450CR-7 | Cat5e 10Base-T Crossover Patch Cord, RJ45/RJ45, 7.0ft (2.1m) | Beige | 6.83 | 6.42 | 6.01 | CALL |
| TRD450CR-10 | Cat5e 10Base-T Crossover Patch Cord, RJ45/RJ45, 10.0ft (3.0m) | Beige | 7.55 | 7.10 | 6.65 | CALL |
| TRD450CR-15 | Cat5e 10Base-T Crossover Patch Cord, RJ45/RJ45, 15.0ft (4.6m) | Beige | 8.90 | 8.37 | 7.83 | CALL |
| TRD450CR-25 | Cat5e 10Base-T Crossover Patch Cord, RJ45/RJ45, 25.0ft (7.6m) | Beige | 11.49 | 10.80 | 10.11 | CALL |
| TRD450CR-50 | Cat5e 10Base-T Crossover Patch Cord, RJ45/RJ45, 50.0ft (15.2m) | Beige | 18.64 | 17.52 | 16.40 | CALL |
| TRD450CR-100 | Cat5e 10Base-T Crossover Patch Cord, RJ45/RJ45, 100.0ft (30.4m) | Beige | 32.53 | 30.57 | 28.62 | CALL |

1 & 2, 3 & 6 Crossover allows Ethernet Hub Stacking.



| Item # | Description | Color | 1-9 | 10-24 | 25-99 | 100+ |
|---|---|-------|-------|-------|-------|------|
| Category 5e RJ45 to RJ45 Patch Cords - 4 Pair Stranded for EIA568 Wiring | | | | | | |
| TRD855-1 | Cat5e EIA568 Patch Cord, RJ45/RJ45, 1.0ft (0.3m) | Beige | 2.06 | 2.00 | 1.94 | CALL |
| TRD855-2 | Cat5e EIA568 Patch Cord, RJ45/RJ45, 2.0ft (0.6m) | Beige | 2.37 | 2.30 | 2.23 | CALL |
| TRD855-3 | Cat5e EIA568 Patch Cord, RJ45/RJ45, 3.0ft (0.9m) | Beige | 2.79 | 2.70 | 2.62 | CALL |
| TRD855-5 | Cat5e EIA568 Patch Cord, RJ45/RJ45, 5.0ft (1.5m) | Beige | 3.41 | 3.31 | 3.20 | CALL |
| TRD855-7 | Cat5e EIA568 Patch Cord, RJ45/RJ45, 7.0ft (2.1m) | Beige | 4.13 | 4.01 | 3.89 | CALL |
| TRD855-10 | Cat5e EIA568 Patch Cord, RJ45/RJ45, 10.0ft (3.0m) | Beige | 5.17 | 5.02 | 4.86 | CALL |
| TRD855-15 | Cat5e EIA568 Patch Cord, RJ45/RJ45, 15.0ft (4.6m) | Beige | 6.93 | 6.72 | 6.52 | CALL |
| TRD855-25 | Cat5e EIA568 Patch Cord, RJ45/RJ45, 25.0ft (7.6m) | Beige | 10.35 | 10.04 | 9.73 | CALL |
| TRD855-50 | Cat5e EIA568 Patch Cord, RJ45/RJ45, 50.0ft (15.2m) | Beige | 19.06 | 18.48 | 17.91 | CALL |
| TRD855-100 | Cat5e EIA568 Patch Cord, RJ45/RJ45, 100.0ft (30.4m) | Beige | 36.36 | 35.27 | 34.18 | CALL |

Twisted Pair Pinning: 1 & 2, 3 & 6, 4 & 5, 7 & 8

TRD855

CATEGORY 5e
• 4 pair 24 AWG
stranded
• PVC jacket



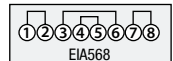
Category 5e RJ45 to RJ45 Flat Patch Cords – 4 Pair for Ethernet

| | | | | | | |
|----------------|---|-------|-------|-------|-------|------|
| TRD855FLAT-1 | Cat5e Flat Patch Cord, RJ45/RJ45, 1.0ft (0.3m) | Black | 2.99 | 2.87 | 2.76 | CALL |
| TRD855FLAT-3 | Cat5e Flat Patch Cord, RJ45/RJ45, 3.0ft (0.9m) | Black | 3.82 | 3.67 | 3.52 | CALL |
| TRD855FLAT-5 | Cat5e Flat Patch Cord, RJ45/RJ45, 5.0ft (1.5m) | Black | 4.65 | 4.47 | 4.28 | CALL |
| TRD855FLAT-7 | Cat5e Flat Patch Cord, RJ45/RJ45, 7.0ft (2.1m) | Black | 5.48 | 5.26 | 5.04 | CALL |
| TRD855FLAT-10 | Cat5e Flat Patch Cord, RJ45/RJ45, 10.0ft (3.0m) | Black | 6.72 | 6.46 | 6.19 | CALL |
| TRD855FLAT-15 | Cat5e Flat Patch Cord, RJ45/RJ45, 15.0ft (4.6m) | Black | 8.80 | 8.45 | 8.09 | CALL |
| TRD855FLAT-20 | Cat5e Flat Patch Cord, RJ45/RJ45, 20.0ft (6.1m) | Black | 10.87 | 10.43 | 10.00 | CALL |
| TRD855FLAT-25 | Cat5e Flat Patch Cord, RJ45/RJ45, 25.0ft (7.6m) | Black | 12.94 | 12.42 | 11.91 | CALL |
| TRD855FLAT-30 | Cat5e Flat Patch Cord, RJ45/RJ45, 30.0ft (9.1m) | Black | 15.01 | 14.41 | 13.81 | CALL |
| TRD855FLAT-40 | Cat5e Flat Patch Cord, RJ45/RJ45, 40.0ft (12.2m) | Black | 19.16 | 18.39 | 17.63 | CALL |
| TRD855FLAT-50 | Cat5e Flat Patch Cord, RJ45/RJ45, 50.0ft (15.2m) | Black | 23.30 | 22.37 | 21.44 | CALL |
| TRD855FLAT-75 | Cat5e Flat Patch Cord, RJ45/RJ45, 75.0ft (22.9m) | Black | 33.67 | 32.32 | 30.97 | CALL |
| TRD855FLAT-100 | Cat5e Flat Patch Cord, RJ45/RJ45, 100.0ft (30.4m) | Black | 44.03 | 42.27 | 40.51 | CALL |

Twisted Pair Pinning: 1 & 2, 3 & 6, 4 & 5, 7 & 8

TRD855FLAT

CATEGORY 5e
• 4 pair 30 AWG
stranded
• PVC jacket



Category 5e and 6 Network Extension Cables

L-com's unique network extension cables offer the perfect solution for extending an Ethernet network cable to the outside of an enclosure or by making a hard to reach port more accessible. Available in either Category 5e or Category 6, shielded or un-shielded, these cables are up to the task for your high demand data tasks. These extensions feature either a panel mountable flange or an inline flange-free design.

Category 5e Non-Shielded Non-Flanged Extension Cables

| | | | | | |
|-------------|---|-------|-------|-------|------|
| TRDC5EXT-3 | Category 5e RJ45 Extension Cable, 3.0ft (0.9m) | 14.45 | 13.30 | 12.14 | CALL |
| TRDC5EXT-5 | Category 5e RJ45 Extension Cable, 5.0ft (1.5m) | 15.39 | 14.16 | 12.93 | CALL |
| TRDC5EXT-7 | Category 5e RJ45 Extension Cable, 7.0ft (2.1m) | 17.51 | 16.11 | 14.71 | CALL |
| TRDC5EXT-15 | Category 5e RJ45 Extension Cable, 15.0ft (4.6m) | 20.15 | 18.54 | 16.93 | CALL |
| TRDC5EXT-25 | Category 5e RJ45 Extension Cable, 25.0ft (7.6m) | 24.45 | 22.50 | 20.54 | CALL |

TRDC5EXT

Category 5e Shielded Non-Flanged Extension Cables

| | | | | | |
|--------------|--|-------|-------|-------|------|
| TRDC5EXTS-3 | Category 5e RJ45 Shielded Extension Cable, 3.0ft (0.9m) | 17.25 | 15.87 | 14.49 | CALL |
| TRDC5EXTS-5 | Category 5e RJ45 Shielded Extension Cable, 5.0ft (1.5m) | 18.39 | 16.92 | 15.45 | CALL |
| TRDC5EXTS-7 | Category 5e RJ45 Shielded Extension Cable, 7.0ft (2.1m) | 20.72 | 19.07 | 17.41 | CALL |
| TRDC5EXTS-15 | Category 5e RJ45 Shielded Extension Cable, 15.0ft (4.6m) | 24.14 | 22.21 | 20.28 | CALL |
| TRDC5EXTS-25 | Category 5e RJ45 Shielded Extension Cable, 25.0ft (7.6m) | 29.38 | 27.03 | 24.68 | CALL |

TRDC6EXTS

Category 6 Non-Shielded Non-Flanged Extension Cables

| | | | | | |
|-------------|--|-------|-------|-------|------|
| TRDC6EXT-3 | Category 6 RJ45 Extension Cable, 3.0ft (0.9m) | 14.77 | 13.58 | 12.40 | CALL |
| TRDC6EXT-5 | Category 6 RJ45 Extension Cable, 5.0ft (1.5m) | 15.91 | 14.63 | 13.36 | CALL |
| TRDC6EXT-7 | Category 6 RJ45 Extension Cable, 7.0ft (2.1m) | 18.24 | 16.78 | 15.32 | CALL |
| TRDC6EXT-15 | Category 6 RJ45 Extension Cable, 15.0ft (4.6m) | 21.60 | 19.88 | 18.15 | CALL |
| TRDC6EXT-25 | Category 6 RJ45 Extension Cable, 25.0ft (7.6m) | 26.89 | 24.74 | 22.59 | CALL |

Category 6 Shielded Non-Flanged Extension Cables

| | | | | | |
|--------------|---|-------|-------|-------|------|
| TRDC6EXTS-3 | Category 6 RJ45 Shielded Extension Cable, 3.0ft (0.9m) | 16.68 | 15.35 | 14.01 | CALL |
| TRDC6EXTS-5 | Category 6 RJ45 Shielded Extension Cable, 5.0ft (1.5m) | 18.03 | 16.59 | 15.15 | CALL |
| TRDC6EXTS-7 | Category 6 RJ45 Shielded Extension Cable, 7.0ft (2.1m) | 20.67 | 19.02 | 17.36 | CALL |
| TRDC6EXTS-15 | Category 6 RJ45 Shielded Extension Cable, 15.0ft (4.6m) | 25.13 | 23.12 | 21.11 | CALL |
| TRDC6EXTS-25 | Category 6 RJ45 Shielded Extension Cable, 25.0ft (7.6m) | 31.60 | 29.08 | 26.55 | CALL |

TRDC5EXTF

Category 5e Non-Shielded Flanged Extension Cables

| | | | | | |
|--------------|---|-------|-------|-------|------|
| TRDC5EXTF-3 | Category 5e RJ45 Extension Cable, 3.0ft (0.9m) | 15.85 | 14.59 | 13.32 | CALL |
| TRDC5EXTF-5 | Category 5e RJ45 Extension Cable, 5.0ft (1.5m) | 16.79 | 15.44 | 14.10 | CALL |
| TRDC5EXTF-7 | Category 5e RJ45 Extension Cable, 7.0ft (2.1m) | 18.96 | 17.45 | 15.93 | CALL |
| TRDC5EXTF-15 | Category 5e RJ45 Extension Cable, 15.0ft (4.6m) | 21.55 | 19.83 | 18.10 | CALL |
| TRDC5EXTF-25 | Category 5e RJ45 Extension Cable, 25.0ft (7.6m) | 25.85 | 23.78 | 21.72 | CALL |

Category 5e Shielded Flanged Extension Cables

| | | | | | |
|---------------|--|-------|-------|-------|------|
| TRDC5EXTSF-3 | Category 5e RJ45 Shielded Extension Cable, 3.0ft (0.9m) | 17.36 | 15.97 | 14.58 | CALL |
| TRDC5EXTSF-5 | Category 5e RJ45 Shielded Extension Cable, 5.0ft (1.5m) | 18.50 | 17.02 | 15.54 | CALL |
| TRDC5EXTSF-7 | Category 5e RJ45 Shielded Extension Cable, 7.0ft (2.1m) | 20.88 | 19.21 | 17.54 | CALL |
| TRDC5EXTSF-15 | Category 5e RJ45 Shielded Extension Cable, 15.0ft (4.6m) | 24.30 | 22.35 | 20.41 | CALL |
| TRDC5EXTSF-25 | Category 5e RJ45 Shielded Extension Cable, 25.0ft (7.6m) | 29.53 | 27.17 | 24.81 | CALL |

TRDC6EXTF

Category 6 Non-Shielded Flanged Extension Cables

| | | | | | |
|--------------|--|-------|-------|-------|------|
| TRDC6EXTF-3 | Category 6 RJ45 Extension Cable, 3.0ft (0.9m) | 16.16 | 14.87 | 13.58 | CALL |
| TRDC6EXTF-5 | Category 6 RJ45 Extension Cable, 5.0ft (1.5m) | 17.30 | 15.92 | 14.54 | CALL |
| TRDC6EXTF-7 | Category 6 RJ45 Extension Cable, 7.0ft (2.1m) | 19.69 | 18.11 | 16.54 | CALL |
| TRDC6EXTF-15 | Category 6 RJ45 Extension Cable, 15.0ft (4.6m) | 23.06 | 21.21 | 19.37 | CALL |
| TRDC6EXTF-25 | Category 6 RJ45 Extension Cable, 25.0ft (7.6m) | 28.29 | 26.03 | 23.76 | CALL |

Category 6 Shielded Flanged Extension Cables

| | | | | | |
|---------------|---|-------|-------|-------|------|
| TRDC6EXTSF-3 | Category 6 RJ45 Shielded Extension Cable, 3.0ft (0.9m) | 17.77 | 16.35 | 14.93 | CALL |
| TRDC6EXTSF-5 | Category 6 RJ45 Shielded Extension Cable, 5.0ft (1.5m) | 19.17 | 17.64 | 16.10 | CALL |
| TRDC6EXTSF-7 | Category 6 RJ45 Shielded Extension Cable, 7.0ft (2.1m) | 21.81 | 20.07 | 18.32 | CALL |
| TRDC6EXTSF-15 | Category 6 RJ45 Shielded Extension Cable, 15.0ft (4.6m) | 26.22 | 24.12 | 22.02 | CALL |
| TRDC6EXTSF-25 | Category 6 RJ45 Shielded Extension Cable, 25.0ft (7.6m) | 32.80 | 30.17 | 27.55 | CALL |

TRDC6EXTSF



Tip What does transversely sealed mean?

Did you know that all of L-com's new ruggedized RJ45 jam-nuts, flanges and in-line receptacles are transversely sealed? As the name implies, this means that they are waterproof. The parts meet or exceed IP-68 rating with or without dust covers or mated connectors engaged with the receptacle. The jacks are waterproof even without a mated cap or connector when submerged under 1 meter of water for up to two days. Your equipment will not be at risk from moisture or dust even if you lose or forget the dust cap.



| Item # | Description | List Price |
|--------|-------------|------------|
|--------|-------------|------------|

Ruggedized RJ45 Plugs and Jacks Category 5e and Category 6 Applications

In today's world of high-speed communications, Ethernet has become the standard platform for all voice, video and data services. L-com's Category 5e and Category 6 ruggedized family of RJ45 plugs and receptacles provide an efficient, comprehensive and affordable solution to Ethernet connectivity for harsh and environmentally challenged applications. The jacks feature 100% transversely sealed (IP-68) configurations as a standard product design, preventing dust, water and moisture penetration, with or without dust cap or plug engagement. The ruggedized parts offer comprehensive shielding and grounding effectiveness capable of sustaining higher data transmission rates as well as Electro-Magnetic Conductance (EMC) for Military applications (only Zinc-Nickel finished parts offer EMC grounding). Suggested areas of usage include Data, VOIP, IPTV in harsh environments, 10/100/1000 Base-T networks, battlefield communication systems, industrial process control, data acquisition and control, factory environments, radar systems, railways and shelters among other things.

Ruggedized RJ45 Plugs, Category 5e or Category 6

L-com's ruggedized RJ45 plugs are designed to integrate with other ruggedized jam-nuts, flange mounts and in-line receptacles. Special compressive fittings allow these plugs to work with shielded or unshielded cable. A compression nut establishes 10lb of cable strain relief establishing robust cable strength. Internal conductive compression is used to interoperate with the cable braid to form a 360° ground plane. Plugs are available with or without dust caps. Ruggedize your plugs for harsh environmental applications today.

| | | |
|-------------|--|-------|
| ECRA0211UA0 | Cat5e Ruggedized RJ45 Plug, Anodized Finish, Fits Cable OD .190-.270 inches (0.5cm-0.7cm) | 69.62 |
| ECRA0213UA0 | Cat5e Ruggedized RJ45 Plug, Zinc-Nickel Finish, Fits Cable OD .190-.270 inches (0.5cm-0.7cm) | 80.50 |

| | | |
|-------------|---|--------|
| ECRA4211UA0 | Cat5e Ruggedized RJ45 Plug, Anodized Finish with Dust Cap, Fits Cable OD .190-.270 inches (0.5cm-0.7cm) | 97.91 |
| ECSA4211UA0 | Cat6 Ruggedized RJ45 Plug, Anodized Finish with Dust Cap, Fits Cable OD .190-.270 inches (0.5cm-0.7cm) | 111.51 |

| | | |
|-------------|--|--------|
| ECRA4213UA0 | Cat5e Ruggedized RJ45 Plug, Zinc-Nickel Finish with Dust Cap, Fits Cable OD .190-.270 inches (0.5cm-0.7cm) | 108.79 |
| ECSA4213UA0 | Cat6 Ruggedized RJ45 Plug, Zinc-Nickel Finish with Dust Cap, Fits Cable OD .190-.270 inches (0.5cm-0.7cm) | 157.26 |

| | | |
|-------------|--|-------|
| ECRA0211UB0 | Cat5e Ruggedized RJ45 Plug, Anodized Finish, Fits Cable OD .271-.330 inches (0.7cm-0.8cm) | 69.62 |
| ECRA0213UB0 | Cat5e Ruggedized RJ45 Plug, Zinc-Nickel Finish, Fits Cable OD .271-.330 inches (0.7cm-0.8cm) | 97.91 |

| | | |
|-------------|---|--------|
| ECRA4211UB0 | Cat5e Ruggedized RJ45 Plug, Anodized Finish with Dust Cap, Fits Cable OD .271-.330 inches (0.7cm-0.8cm) | 97.91 |
| ECSA4211UB0 | Cat6 Ruggedized RJ45 Plug, Anodized Finish with Dust Cap, Fits Cable OD .271-.330 inches (0.7cm-0.8cm) | 111.30 |

| | | |
|-------------|--|--------|
| ECRA4213UB0 | Cat5e Ruggedized RJ45 Plug, Zinc-Nickel Finish with Dust Cap, Fits Cable OD .271-.330 inches (0.7cm-0.8cm) | 108.79 |
| ECSA4213UB0 | Cat6 Ruggedized RJ45 Plug, Zinc-Nickel Finish with Dust Cap, Fits Cable OD .271-.330 inches (0.7cm-0.8cm) | 157.02 |

Ruggedized RJ45 In-line Receptacles, Category 5e or Category 6

These ruggedized RJ45 receptacles are transversely sealed even with no mate and are also designed to work with L-com's line of ruggedized RJ45 plugs. Choose your RJ45 plug and bulk cable from L-com's wide selection.

| | | |
|-------------|---|--------|
| ECRP5103UA0 | Cat5e Ruggedized RJ45 Recept., Zinc-Nickel Finish w/Grounding Shield & Dust Cap, Fits Cable OD .190-.270 in (0.5cm-0.7cm) | 108.79 |
| ECSF5103UA0 | Cat6 Ruggedized RJ45 Recept., Zinc-Nickel Finish w/Grounding Shield & Dust Cap, Fits Cable OD .190-.270 in (0.5cm-0.7cm) | 177.88 |

| | | |
|-------------|--|--------|
| ECRP5201UA0 | Cat5e Ruggedized RJ45 Receptacle, Anodized Finish with Dust Cap, Fits Cable OD .190-.270 in (0.5cm-0.7cm) | 92.42 |
| ECSF5201UA0 | Cat6 Ruggedized RJ45 Receptacle, Anodized Finish with Dust Cap, Fits Cable OD .190-.270 inches (0.5cm-0.7cm) | 137.93 |

| | | |
|-------------|---|--------|
| ECRP5103UB0 | Cat5e Ruggedized RJ45 Recept., Zinc-Nickel Finish w/Grounding Shield & Dust Cap, Fits Cable OD .271-.330 in (0.7cm-0.8cm) | 114.18 |
| ECSF5103UB0 | Cat6 Ruggedized RJ45 Recept., Zinc-Nickel Finish w/Grounding Shield & Dust Cap, Fits Cable OD .271-.330 in (0.7cm-0.8cm) | 177.06 |

| | | |
|-------------|--|--------|
| ECRP5201UB0 | Cat5e Ruggedized RJ45 Receptacle, Anodized Finish with Dust Cap, Fits Cable OD .271-.330 in (0.7cm-0.8cm) | 92.42 |
| ECSF5201UB0 | Cat6 Ruggedized RJ45 Receptacle, Anodized Finish with Dust Cap, Fits Cable OD .271-.330 inches (0.7cm-0.8cm) | 137.93 |

Panel Mountable Ruggedized RJ45 Receptacles, Category 5e or Category 6, Flange Mount Style

These ruggedized RJ45 receptacles are transversely sealed for complete moisture and dust protection. L-com's ECRD line provides both the Flange mount and sealing gasket. The ECRH line comes with full mounting hardware including bracket, self-sealing mounting screws, and O-rings for an easy installation. See L-com.com for our full line of harsh environment products.

| | | |
|-------------|---|-------|
| ECRD0103U00 | Cat5e Ruggedized Flange Mount, Zinc-Nickel Finish with Grounding Shield | 54.39 |
| ECSD0103U00 | Cat6 Ruggedized Flange Mount, Zinc-Nickel Finish with Grounding Shield | 99.60 |

| | | |
|-------------|--|-------|
| ECRD0201U00 | Cat5e Ruggedized Flange Mount, Anodized Finish | 40.19 |
| ECSD0201U00 | Cat6 Ruggedized Flange Mount, Anodized Finish | 54.10 |

| | | |
|-------------|--|--------|
| ECRD0203U00 | Cat5e Ruggedized Flange Mount, Zinc-Nickel Finish | 46.72 |
| ECRD3103U00 | Cat5e Ruggedized Flange Mount, Zinc-Nickel Finish with Grounding Shield and Dust Cap | 76.15 |
| ECSF3103U00 | Cat6 Ruggedized Flange Mount, Zinc-Nickel Finish with Grounding Shield and Dust Cap | 124.90 |

| | | |
|-------------|---|-------|
| ECRD3201U00 | Cat5e Ruggedized Flange Mount, Anodized Finish with Dust Cap | 61.95 |
| ECSD3201U00 | Cat6 Ruggedized Flange Mount, Anodized Finish with Dust Cap | 78.08 |
| ECRD3203U00 | Cat5e Ruggedized Flange Mount, Zinc-Nickel Finish with Dust Cap | 69.62 |

| | | |
|-------------|---|--------|
| ECRH0103U00 | Cat5e Ruggedized Flange Mount, Zinc-Nickel Finish with Grounding Shield and Mounting Hardware | 63.09 |
| ECSH0103U00 | Cat6 Ruggedized Flange Mount, Zinc-Nickel Finish with Grounding Shield and Full Mounting Hardware | 109.80 |
| ECRH0201U00 | Cat5e Ruggedized Flange Mount, Anodized Finish with Mounting Hardware | 50.04 |
| ECSH0201U00 | Cat6 Ruggedized Flange Mount, Anodized Finish with Full Mounting Hardware | 76.79 |

| | | |
|-------------|---|--------|
| ECRH0203U00 | Cat 5e Ruggedized Flange Mount, Zinc-Nickel Finish with Mounting Hardware | 56.57 |
| ECRH3103U00 | Cat 5e Ruggedized Flange Mount, Zinc-Nickel Finish with Grounding Shield, Mounting Hardware and Dust Cap | 87.03 |
| ECSH3103U00 | Cat6 Ruggedized Flange Mount, Zinc-Nickel Finish with Grounding Shield, Dust Cap and Full Mounting Hardware | 131.97 |

| | | |
|-------------|--|-------|
| ECRH3201U00 | Cat5e Ruggedized Flange Mount, Anodized Finish with Mounting Hardware and Dust Cap | 73.97 |
| ECSH3201U00 | Cat6 Ruggedized Flange Mount, Anodized Finish with Dust Cap and Full Mounting Hardware | 91.00 |
| ECRH3203U00 | Cat5e Ruggedized Flange Mount, Zinc-Nickel Finish with Mounting Hardware and Dust Cap | 81.54 |

| Item # | Description | List Price |
|--------|-------------|------------|
|--------|-------------|------------|

Panel Mountable Ruggedized RJ45 Receptacles, Category 5e or Category 6, Jam Nut Styles

L-com's Category 5e or Category 6 transversely sealed jam-nuts are an ideal fit for situations requiring a ruggedized RJ45 jack and a simple D-hole for mounting with no additional hardware required. They boast an IP68 rating even without a mated connector or dust cap! The ECRK line is a simple D-hole jam nut and requires no additional hardware for mounting and the ECRJ line fits a D38999/24 and M83723/60 cutout. Zinc-Nickel versions are available with an EMI grounding plate on both sides of the receptacle to ensure proper grounding for shielded RJ45 cables. Jam-nuts are available both with and without dust caps. Don't see what you are looking for? Call today to discuss custom solutions for all your interconnect needs.

| | | |
|-------------|--|--------|
| ECRK0103U00 | Cat5e Ruggedized Jam-nut, Zinc-Nickel Finish with Grounding Shield | 63.09 |
| ECSK0103U00 | Cat6 Ruggedized Jam-Nut, Zinc-Nickel Finish with Grounding Shield | 108.26 |
| ECRK0201U00 | Cat5e Ruggedized Jam-nut, Anodized Finish | 46.72 |
| ECSK0201U00 | Cat6 Ruggedized Jam-Nut, Anodized Finish | 71.75 |
| ECRK0203U00 | Cat5e Ruggedized Jam-nut, Zinc-Nickel Finish | 53.25 |
| ECSK2103U00 | Cat6 Ruggedized Jam-Nut, Zinc-Nickel Finish with Grounding Shield and Dust Cap | 136.42 |
| ECRK2103U00 | Cat5e Ruggedized Jam-nut, Zinc-Nickel Finish with Grounding Shield and Dust Cap | 96.77 |
| ECSK2201U00 | Cat6 Ruggedized Jam-Nut, Anodized Finish with Dust Cap | 90.88 |
| ECRK2201U00 | Cat5e Ruggedized Jam-nut, Anodized Finish with Dust Cap | 76.15 |
| ECRK2203U00 | Cat5e Ruggedized Jam-nut, Zinc-Nickel Finish with Dust Cap | 85.89 |
| ECRJ0203U00 | Cat5e Ruggedized D38999 Style Jam-Nut, Zinc-Nickel Finish | 63.09 |
| ECRJ1103U00 | Cat5e Ruggedized D38999 Style Jam-Nut, Zinc-Nickel Finish with Grounding Shield and Dust Cap | 121.18 |
| ECSJ1103U00 | Cat6 Ruggedized D38999 Style Jam-Nut, Zinc-Nickel Finish with Grounding Shield and Dust Cap | 154.46 |
| ECSJ1201U00 | Cat6 Ruggedized D38999 Style Jam-Nut, Anodized Finish with Dust Cap | 123.73 |

Tip Grounding RJ45 ruggedized jacks

Many applications that require the use of higher data rates require proper grounding and shielding. To address this, L-com offers our Zinc-Nickel finished line of RJ45 Ruggedized jacks which are designed to establish sufficient grounding between shielded cord sets and chassis ground. They also provide EMC/EMI shielding for

applications where immunity to electromagnetic interference is crucial. The parts provide <0.033Ω for shielded cable to cable or cable to ground use. This is accomplished using a grounding plate, conductive O-ring and gasket. The parts adhere to and are tested to IAW MIL-STD-461F, RS103 for EMI emission and susceptibility.



EMC Shroud (front view)
conductive surface with
shielded cable and recep-
tacle or chassis ground



EMC Shroud (rear view)
conductive surface with
shielded cable



L-com's ruggedized cable assemblies may be ordered with armored cable. Ex: TRD8RGMT6-01, Plug to Jack, Anodized finish, 5 lengths, with armored cable.



See website for pricing and other combinations at L-com.com



Category 5e Ruggedized RJ45 Assemblies with FR-TPE Outdoor Rated Cable

L-com is proud to offer assemblies using our IP68 rated ruggedized RJ45 plugs and jacks in various combinations. Each cable is built using CMX Outdoor Rated, double-shielded industrial cable for the most durable Category 5e cable L-com has ever offered. Please see our custom cable configurator on L-com.com to create your own custom length variations. All ruggedized jacks and plugs come with dust caps. New armored versions have 1,500 PSI crush resistance. Call today for assistance.



Ordering is easy, add the desired number of the style code into the part number. Ex: TRD8RG6-01, Plug to Jack, Anodized finish, 1m in length

| Item # | Description | Length | List Price |
|------------|---|--------|------------|
| TRD8RG5-01 | Ruggedized Category 5e Assembly with FR-TPE Outdoor Rated Cable and Dust Caps | 1.0m | 401.62 |
| TRD8RG5-02 | Ruggedized Category 5e Assembly with FR-TPE Outdoor Rated Cable and Dust Caps | 2.0m | 406.49 |
| TRD8RG5-03 | Ruggedized Category 5e Assembly with FR-TPE Outdoor Rated Cable and Dust Caps | 3.0m | 411.15 |
| TRD8RG5-05 | Ruggedized Category 5e Assembly with FR-TPE Outdoor Rated Cable and Dust Caps | 5.0m | 420.89 |
| TRD8RG5-10 | Ruggedized Category 5e Assembly with FR-TPE Outdoor Rated Cable and Dust Caps | 10.0m | 444.83 |



| Item # | Description | 1-9 | 10-24 | 25-99 | 100+ |
|--------|-------------|-----|-------|-------|------|
|--------|-------------|-----|-------|-------|------|

M12 Economy D-Coded 4 Position Cables for Ethernet and Fieldbus Applications

L-com offers popular 22 AWG 2-pair, 4 Position, D-coded M12 cable assemblies for use in Ethernet and fieldbus applications. We stock multiple configurations including male to male, male to female and male (straight) to male (right angle), as well as male M12 to RJ45 plug styles. These robust assemblies are 100% factory tested and feature UV and chemical resistant PUR jackets. Applications for these assemblies include manufacturing, process control, factory automation and more.

M12 Economy 4 Position D-Coded Male to Male Cable Assemblies

| | | | | | |
|--------------|---|-------|-------|-------|------|
| M12M124D-0.5 | M12 Economy 4 Position D-Coded Male/Male Cable Assembly, 0.5m | 13.82 | 13.55 | 13.27 | CALL |
| M12M124D-1 | M12 Economy 4 Position D-Coded Male/Male Cable Assembly, 1.0m | 14.89 | 14.59 | 14.29 | CALL |
| M12M124D-2 | M12 Economy 4 Position D-Coded Male/Male Cable Assembly, 2.0m | 17.02 | 16.68 | 16.34 | CALL |
| M12M124D-3 | M12 Economy 4 Position D-Coded Male/Male Cable Assembly, 3.0m | 19.16 | 18.78 | 18.39 | CALL |
| M12M124D-5 | M12 Economy 4 Position D-Coded Male/Male Cable Assembly, 5.0m | 21.29 | 20.87 | 20.44 | CALL |

M12 Economy 4 Position D-Coded Male to Female Cable Assemblies

| | | | | | |
|---------------|---|-------|-------|-------|------|
| M12M12F4D-0.5 | M12 Economy 4 Position D-Coded Male/Female Cable Assembly, 0.5m | 15.96 | 15.64 | 15.32 | CALL |
| M12M12F4D-1 | M12 Economy 4 Position D-Coded Male/Female Cable Assembly, 1.0m | 17.02 | 16.68 | 16.34 | CALL |
| M12M12F4D-2 | M12 Economy 4 Position D-Coded Male/Female Cable Assembly, 2.0m | 19.16 | 18.78 | 18.39 | CALL |
| M12M12F4D-3 | M12 Economy 4 Position D-Coded Male/Female Cable Assembly, 3.0m | 21.29 | 20.87 | 20.44 | CALL |
| M12M12F4D-5 | M12 Economy 4 Position D-Coded Male/Female Cable Assembly, 5.0m | 24.50 | 24.01 | 23.52 | CALL |

M12 Economy 4 Position D-Coded Male to RJ45 Male Cable Assemblies

| | | | | | |
|---------------|--|-------|-------|-------|------|
| M12RJ454D-0.5 | M12 Economy 4 Position D-Coded Male/RJ45 Male Cable Assembly, 0.5m | 13.82 | 13.55 | 13.27 | CALL |
| M12RJ454D-1 | M12 Economy 4 Position D-Coded Male/RJ45 Male Cable Assembly, 1.0m | 14.89 | 14.59 | 14.29 | CALL |
| M12RJ454D-2 | M12 Economy 4 Position D-Coded Male/RJ45 Male Cable Assembly, 2.0m | 19.16 | 18.78 | 18.39 | CALL |
| M12RJ454D-3 | M12 Economy 4 Position D-Coded Male/RJ45 Male Cable Assembly, 3.0m | 23.43 | 22.96 | 22.49 | CALL |
| M12RJ454D-5 | M12 Economy 4 Position D-Coded Male/RJ45 Male Cable Assembly, 5.0m | 33.03 | 32.37 | 31.71 | CALL |

M12 D-Coded 4 Position Panel, PCB and Solder Style Connectors

L-com offers a line of D-Coded 4 Position M12 connectors for enclosure, panel and PCB applications. These quality constructed connectors provide years of trouble free use in the most trying applications. These M12 connectors are offered in both male and female versions and are rated to IP68.

| | | | | | |
|------------|---|------|------|------|------|
| CON-M124PM | M12 4 Position Male Panel Mount Connector | 8.24 | 8.07 | 7.91 | CALL |
| CON-M124PF | M12 4 Position Female Panel Mount Connector | 9.27 | 9.09 | 8.90 | CALL |

M12 D-Coded PCB Mount Connectors

| | | | | | |
|--------------|---|-------|-------|-------|------|
| CON-M124PCBF | M12 4 Position Female PCB Mount Connector | 10.83 | 10.61 | 10.40 | CALL |
|--------------|---|-------|-------|-------|------|

M12 D-Coded Solder Style Connectors

| | | | | | |
|--------------|--|-------|-------|-------|------|
| CON-M124SLDF | M12 4 Position Female Solder Style Connector | 10.83 | 10.61 | 10.40 | CALL |
|--------------|--|-------|-------|-------|------|

M12 Premium D-Coded 4 Position Cables for Ethernet and Fieldbus Applications

L-com's M12 premium line is here for your roughest and most demanding applications. Built with Category 5e rated high flex, industrial, outdoor, double shielded TPE bulk cable and using IP68 rated M12 connectors, these assemblies are as robust as they come. Designed to exceed category standards to ensure network throughput. Contact us today with your M12 custom applications.

M12 Premium 4 Position D-Coded Male to Male Cable Assemblies

| | | | | | |
|----------------|--|--------|--------|--------|------|
| TRG501-T4T-05M | M12 Premium 4 Position D-Coded Male/Male Cable Assembly, 24 AWG, 0.5m | 27.25 | 26.43 | 25.61 | CALL |
| TRG501-T4T-1M | M12 Premium 4 Position D-Coded Male/Male Cable Assembly, 24 AWG, 1.0m | 33.45 | 32.45 | 31.44 | CALL |
| TRG501-T4T-2M | M12 Premium 4 Position D-Coded Male/Male Cable Assembly, 24 AWG, 2.0m | 44.25 | 42.92 | 41.59 | CALL |
| TRG501-T4T-3M | M12 Premium 4 Position D-Coded Male/Male Cable Assembly, 24 AWG, 3.0m | 54.25 | 52.62 | 50.99 | CALL |
| TRG501-T4T-5M | M12 Premium 4 Position D-Coded Male/Male Cable Assembly, 24 AWG, 5.0m | 66.25 | 64.26 | 62.27 | CALL |
| TRG501-T4T-10M | M12 Premium 4 Position D-Coded Male/Male Cable Assembly, 24 AWG, 10.0m | 115.45 | 111.99 | 108.52 | CALL |

M12 Premium 4 Position D-Coded Male to Female Cable Assemblies

| | | | | | |
|----------------|--|--------|--------|--------|------|
| TRG502-T4T-05M | M12 Premium 4 Position D-Coded Male/Female Cable Assembly, 24 AWG, 0.5m | 28.25 | 27.40 | 26.55 | CALL |
| TRG502-T4T-1M | M12 Premium 4 Position D-Coded Male/Female Cable Assembly, 24 AWG, 1.0m | 34.45 | 33.42 | 32.38 | CALL |
| TRG502-T4T-2M | M12 Premium 4 Position D-Coded Male/Female Cable Assembly, 24 AWG, 2.0m | 45.25 | 43.89 | 42.53 | CALL |
| TRG502-T4T-3M | M12 Premium 4 Position D-Coded Male/Female Cable Assembly, 24 AWG, 3.0m | 55.25 | 53.59 | 51.93 | CALL |
| TRG502-T4T-5M | M12 Premium 4 Position D-Coded Male/Female Cable Assembly, 24 AWG, 5.0m | 67.25 | 65.23 | 63.21 | CALL |
| TRG502-T4T-10M | M12 Premium 4 Position D-Coded Male/Female Cable Assembly, 24 AWG, 10.0m | 115.45 | 111.99 | 108.52 | CALL |

M12 Premium 4 Position D-Coded Male to Female Armored Cable Assemblies

| | | | | | |
|----------------|---|--------|--------|--------|------|
| TRG502-T4S-1M | M12 Premium 4 Pos. D-Coded Male/Female Armored Cable Assembly, 24AWG, 1.0m | 46.66 | 42.93 | 39.19 | CALL |
| TRG502-T4S-2M | M12 Premium 4 Pos. D-Coded Male/Female Armored Cable Assembly, 24AWG, 2.0m | 62.62 | 57.61 | 52.60 | CALL |
| TRG502-T4S-3M | M12 Premium 4 Pos. D-Coded Male/Female Armored Cable Assembly, 24AWG, 3.0m | 79.00 | 72.68 | 66.36 | CALL |
| TRG502-T4S-5M | M12 Premium 4 Pos. D-Coded Male/Female Armored Cable Assembly, 24AWG, 5.0m | 113.25 | 104.19 | 95.13 | CALL |
| TRG502-T4S-10M | M12 Premium 4 Pos. D-Coded Male/Female Armored Cable Assembly, 24AWG, 10.0m | 192.66 | 177.25 | 161.83 | CALL |

M12 Premium 4 Position D-Coded Male to RJ45 Male Cable Assemblies

| | | | | | |
|----------------|---|--------|--------|--------|------|
| TRG504-T4T-1M | M12 Premium 4 Position D-Coded Male/RJ45 Male Cable Assembly, 24 AWG, 1.0m | 26.45 | 25.66 | 24.86 | CALL |
| TRG504-T4T-2M | M12 Premium 4 Position D-Coded Male/RJ45 Male Cable Assembly, 24 AWG, 2.0m | 38.45 | 37.30 | 36.14 | CALL |
| TRG504-T4T-3M | M12 Premium 4 Position D-Coded Male/RJ45 Male Cable Assembly, 24 AWG, 3.0m | 49.45 | 47.97 | 46.48 | CALL |
| TRG504-T4T-5M | M12 Premium 4 Position D-Coded Male/RJ45 Male Cable Assembly, 24 AWG, 5.0m | 60.45 | 58.64 | 56.82 | CALL |
| TRG504-T4T-10M | M12 Premium 4 Position D-Coded Male/RJ45 Male Cable Assembly, 24 AWG, 10.0m | 109.45 | 106.17 | 102.88 | CALL |

M12 Premium 4 Position D-Coded Female to RJ45 Male Cable Assemblies

| | | | | | |
|----------------|---|--------|--------|--------|------|
| TRG506-T4T-1M | M12 Premium 4 Position D-Coded Female/RJ45 Male Cable Assembly, 24 AWG, 1.0m | 27.45 | 26.63 | 25.80 | CALL |
| TRG506-T4T-2M | M12 Premium 4 Position D-Coded Female/RJ45 Male Cable Assembly, 24 AWG, 2.0m | 39.45 | 38.27 | 37.08 | CALL |
| TRG506-T4T-3M | M12 Premium 4 Position D-Coded Female/RJ45 Male Cable Assembly, 24 AWG, 3.0m | 50.45 | 48.94 | 47.42 | CALL |
| TRG506-T4T-5M | M12 Premium 4 Position D-Coded Female/RJ45 Male Cable Assembly, 24 AWG, 5.0m | 61.45 | 59.61 | 57.76 | CALL |
| TRG506-T4T-10M | M12 Premium 4 Position D-Coded Female/RJ45 Male Cable Assembly, 24 AWG, 10.0m | 110.45 | 107.14 | 103.82 | CALL |

M12 4 Position D-coded Coupler-Gender Changer Shielded for Ethernet

| | | | | | |
|----------|---|-------|-------|-------|------|
| M124DFFS | M12 4 Position D-Code Shielded Female/Female Coupler-Gender Changer | 63.25 | 60.72 | 58.19 | CALL |
|----------|---|-------|-------|-------|------|

| Item # | Description | 1-9 | 10-24 | 25-99 | 100+ |
|--------|-------------|-----|-------|-------|------|
|--------|-------------|-----|-------|-------|------|

M12 Premium 8 Position X-Coded Cables for Category 6a 10gig Applications

L-com's M12 premium line is here for your roughest and most demanding applications. Built with Category 6a rated, high flex, industrial, outdoor, double shielded TPE bulk cable and using IP67 rated M12 connectors, these assemblies are as robust as they come. Designed for Category 6a, 10gig applications. Contact us today with your M12 cabling needs.

M12 Premium 8 Position X-Coded Male to Male Cable Assemblies

| | | | | | |
|----------------|---|--------|--------|--------|------|
| TRG607-T6T-1M | M12 Premium 8 Position X-Coded Male/Male Cable Assembly, 26AWG, 1.0m | 98.42 | 94.48 | 90.55 | CALL |
| TRG607-T6T-2M | M12 Premium 8 Position X-Coded Male/Male Cable Assembly, 26AWG, 2.0m | 110.64 | 106.21 | 101.79 | CALL |
| TRG607-T6T-3M | M12 Premium 8 Position X-Coded Male/Male Cable Assembly, 26AWG, 3.0m | 122.88 | 117.96 | 113.05 | CALL |
| TRG607-T6T-5M | M12 Premium 8 Position X-Coded Male/Male Cable Assembly, 26AWG, 5.0m | 146.15 | 140.30 | 134.46 | CALL |
| TRG607-T6T-10M | M12 Premium 8 Position X-Coded Male/Male Cable Assembly, 26AWG, 10.0m | 208.30 | 199.97 | 191.64 | CALL |

M12 Premium 8 Position X-Coded Male to Female Cable Assemblies

| | | | | | |
|----------------|---|--------|--------|--------|------|
| TRG608-T6T-1M | M12 Premium 8 Position X-Coded Male/Female Cable Assembly, 26AWG, 1.0m | 99.42 | 95.44 | 91.47 | CALL |
| TRG608-T6T-2M | M12 Premium 8 Position X-Coded Male/Female Cable Assembly, 26AWG, 2.0m | 111.61 | 107.15 | 102.68 | CALL |
| TRG608-T6T-3M | M12 Premium 8 Position X-Coded Male/Female Cable Assembly, 26AWG, 3.0m | 123.82 | 118.87 | 113.91 | CALL |
| TRG608-T6T-5M | M12 Premium 8 Position X-Coded Male/Female Cable Assembly, 26AWG, 5.0m | 147.12 | 141.24 | 135.35 | CALL |
| TRG608-T6T-10M | M12 Premium 8 Position X-Coded Male/Female Cable Assembly, 26AWG, 10.0m | 209.27 | 200.90 | 192.53 | CALL |

M12 Premium 8 Position X-Coded Male to Female Panel Mount Cable Assemblies

| | | | | | |
|----------------|---|--------|--------|--------|------|
| TRG626-T6T-05M | M12 Premium 8 Position X-Coded Male/Female Panel Mount Cable Assembly, 26AWG, 0.5m | 85.39 | 81.97 | 78.56 | CALL |
| TRG626-T6T-1M | M12 Premium 8 Position X-Coded Male/Female Panel Mount Cable Assembly, 26AWG, 1.0m | 91.48 | 87.82 | 84.16 | CALL |
| TRG626-T6T-2M | M12 Premium 8 Position X-Coded Male/Female Panel Mount Cable Assembly, 26AWG, 2.0m | 103.66 | 99.51 | 95.37 | CALL |
| TRG626-T6T-3M | M12 Premium 8 Position X-Coded Male/Female Panel Mount Cable Assembly, 26AWG, 3.0m | 115.91 | 111.27 | 106.64 | CALL |
| TRG626-T6T-5M | M12 Premium 8 Position X-Coded Male/Female Panel Mount Cable Assembly, 26AWG, 5.0m | 139.18 | 133.61 | 128.05 | CALL |
| TRG626-T6T-10M | M12 Premium 8 Position X-Coded Male/Female Panel Mount Cable Assembly, 26AWG, 10.0m | 201.33 | 193.28 | 185.22 | CALL |

M12 Premium 8 Position X-Coded Male to RJ45 Cable Assemblies

| | | | | | |
|----------------|---|--------|--------|--------|------|
| TRG610-T6T-1M | M12 Premium 8 Position X-Coded Male/RJ45 Cable Assembly, 26AWG, 1.0m | 58.06 | 55.74 | 53.42 | CALL |
| TRG610-T6T-2M | M12 Premium 8 Position X-Coded Male/RJ45 Cable Assembly, 26AWG, 2.0m | 70.30 | 67.49 | 64.68 | CALL |
| TRG610-T6T-3M | M12 Premium 8 Position X-Coded Male/RJ45 Cable Assembly, 26AWG, 3.0m | 82.58 | 79.28 | 75.97 | CALL |
| TRG610-T6T-5M | M12 Premium 8 Position X-Coded Male/RJ45 Cable Assembly, 26AWG, 5.0m | 107.09 | 102.81 | 98.52 | CALL |
| TRG610-T6T-10M | M12 Premium 8 Position X-Coded Male/RJ45 Cable Assembly, 26AWG, 10.0m | 168.64 | 161.89 | 155.15 | CALL |

M12 Field Termination Connectors

| | | | | | |
|-----------|---|-------|-------|-------|------|
| M12FT4DMS | M12 4 Position D-Code Male Shielded Field Termination Connector | 58.08 | 55.76 | 53.43 | CALL |
| M12FT4DFS | M12 4 Position D-Code Female Shielded Field Termination Connector | 65.50 | 62.88 | 60.26 | CALL |
| M12FT8XMS | M12 8 Position X-Code Male Shielded Field Termination Connector | 76.83 | 73.76 | 70.68 | CALL |

M12 8 Position X-Code Solder Receptacles

| | | | | | |
|-------------|--|-------|-------|-------|------|
| REC-M128XFR | Panel Mount M12 8 Position X-Code Female Rear Mount Connector | 44.70 | 42.91 | 41.12 | CALL |
| REC-M128XFF | Panel Mount M12 8 Position X-Code Female Front Mount Connector | 44.70 | 42.91 | 41.12 | CALL |

M8 3 and 4 Pole IP67 Rated Cable Assemblies

L-com offers Brad® Nano-Change® M8 assemblies. Built with IEC Compliant M8 connectors, these rugged, space-saving cables are ideal for use with miniature sensors and actuators in industrial control applications. Nano-Change® connectors are designed to withstand harsh-industrial and weather environments. They also feature an anti-vibration feature to prevent loosening under high vibration applications.

| | | | | | |
|---------------|---|-------|-------|-------|------|
| TRG317-C4Y-1M | M8 Cable 3 Pole IP68 rated Male to Female 24AWG PVC YLW, 1.0m | 24.92 | 23.92 | 22.93 | CALL |
| TRG317-C4Y-2M | M8 Cable 3 Pole IP68 rated Male to Female 24AWG PVC YLW, 2.0m | 26.70 | 25.63 | 24.56 | CALL |
| TRG317-C4Y-5M | M8 Cable 3 Pole IP68 rated Male to Female 24AWG PVC YLW, 5.0m | 32.08 | 30.80 | 29.51 | CALL |

| | | | | | |
|---------------|--|-------|-------|-------|------|
| TRG324-C4Y-1M | M8 Cable 3 Pole IP68 rated Male to Pigtail 24AWG PVC YLW, 1.0m | 13.36 | 12.83 | 12.29 | CALL |
| TRG324-C4Y-2M | M8 Cable 3 Pole IP68 rated Male to Pigtail 24AWG PVC YLW, 2.0m | 15.14 | 14.53 | 13.93 | CALL |
| TRG324-C4Y-5M | M8 Cable 3 Pole IP68 rated Male to Pigtail 24AWG PVC YLW, 5.0m | 20.50 | 19.68 | 18.86 | CALL |

| | | | | | |
|---------------|--|-------|-------|-------|------|
| TRG325-C4Y-1M | M8 Cable 3 Pole IP68 rated Female to Pigtail 24AWG PVC YLW, 1.0m | 13.36 | 12.83 | 12.29 | CALL |
| TRG325-C4Y-2M | M8 Cable 3 Pole IP68 rated Female to Pigtail 24AWG PVC YLW, 2.0m | 15.14 | 14.53 | 13.93 | CALL |
| TRG325-C4Y-5M | M8 Cable 3 Pole IP68 rated Female to Pigtail 24AWG PVC YLW, 5.0m | 20.50 | 19.68 | 18.86 | CALL |

| | | | | | |
|---------------|---|-------|-------|-------|------|
| TRG417-C4Y-1M | M8 Cable 4 Pole IP68 rated Male to Female 24AWG PVC YLW, 1.0m | 28.96 | 27.80 | 26.64 | CALL |
| TRG417-C4Y-2M | M8 Cable 4 Pole IP68 rated Male to Female 24AWG PVC YLW, 2.0m | 31.28 | 30.03 | 28.78 | CALL |
| TRG417-C4Y-5M | M8 Cable 4 Pole IP68 rated Male to Female 24AWG PVC YLW, 5.0m | 38.28 | 36.75 | 35.22 | CALL |

| | | | | | |
|---------------|--|-------|-------|-------|------|
| TRG424-C4Y-1M | M8 Cable 4 Pole IP68 rated Male to Pigtail 24AWG PVC YLW, 1.0m | 15.64 | 15.01 | 14.39 | CALL |
| TRG424-C4Y-2M | M8 Cable 4 Pole IP68 rated Male to Pigtail 24AWG PVC YLW, 2.0m | 17.98 | 17.26 | 16.54 | CALL |
| TRG424-C4Y-5M | M8 Cable 4 Pole IP68 rated Male to Pigtail 24AWG PVC YLW, 5.0m | 24.98 | 23.98 | 22.98 | CALL |

| | | | | | |
|---------------|--|-------|-------|-------|------|
| TRG425-C4Y-1M | M8 Cable 4 Pole IP68 rated Female to Pigtail 24AWG PVC YLW, 1.0m | 15.64 | 15.01 | 14.39 | CALL |
| TRG425-C4Y-2M | M8 Cable 4 Pole IP68 rated Female to Pigtail 24AWG PVC YLW, 2.0m | 17.98 | 17.26 | 16.54 | CALL |
| TRG425-C4Y-5M | M8 Cable 4 Pole IP68 rated Female to Pigtail 24AWG PVC YLW, 5.0m | 24.98 | 23.98 | 22.98 | CALL |

M8 3 and 4 Pole Receptacles, Front and Rear Mounting Style with 0.3m Leads

L-com offers M8 receptacles for your enclosure and panel mounting needs. These receptacles can be used to connect cables in sensor, actuator or any other application that requires an M8 interface. They are IP67 rated to ensure protection against liquids and particulate. Flying leads make it very easy to terminate in any way you see fit for your application. Threaded or locked mates make the connectors secure from accidental disconnect and vibration.

| | | | | | |
|-----------------|---|-------|-------|-------|------|
| REC-M83FF-LEADS | M8 3 Pole Female Receptacle, Front Mounting Style with 0.3m Leads | 19.52 | 18.74 | 17.96 | CALL |
| REC-M83FR-LEADS | M8 3 Pole Female Receptacle, Rear Mounting Style with 0.3m Leads | 13.82 | 13.27 | 12.71 | CALL |
| REC-M83MR-LEADS | M8 3 Pole Male Receptacle, Rear Mounting Style with 0.3m Leads | 10.58 | 10.16 | 9.73 | CALL |

| | | | | | |
|-----------------|---|-------|-------|-------|------|
| REC-M84FF-LEADS | M8 4 Pole Female Receptacle, Front Mounting Style with 0.3m Leads | 19.90 | 19.10 | 18.31 | CALL |
| REC-M84FR-LEADS | M8 4 Pole Female Receptacle, Rear Mounting Style with 0.3m Leads | 14.74 | 14.15 | 13.56 | CALL |
| REC-M84MR-LEADS | M8 4 Pole Male Receptacle, Rear Mounting Style with 0.3m Leads | 11.58 | 11.12 | 10.65 | CALL |

New

TRG607-T6T-M

New

TRG608-T6T-M

New

TRG626-T6T-M

New

TRG610-T6T-M

New

M12FT4DMS

REC-M128XFR

REC-M128XFF

TRG317-C4Y

TRG324-C4Y

TRG325-C4Y

TRG417-C4Y

TRG424-C4Y

TRG425-C4Y

COMPARING INDUSTRIAL/OUTDOOR CATEGORY RATED BULK CABLES

| Item # | Rating | AWG | Jacket Material | Jacket Color | UTP | Foil Shield | Double Shield | Hi-Flex | UV Res. | Oil Res. | Halogen Free | Nominal Cable Diameter | OD of Conductor Insulation | Special Notes | List Price (1K Ft Spool) |
|-------------|--------|-------|-----------------|--------------|-----|-------------|---------------|---------|---------|----------|--------------|------------------------|----------------------------|---|--------------------------|
| TOAC2004 | C5e | 24SLD | PE | BLK | X | | | | X | | | .246"/6.2mm | .039"/.99mm | Gel-Filled, Aerial Lashed | 268.38 |
| TOBC2004 | C5e | 24SLD | PE | BLK | X | | | | X | | | .380"/9.7mm | .039"/.99mm | Gel-Filled, Armored, Direct Burial | 568.87 |
| CA5NF4-REEL | C5e | 24SLD | PE | BLK | X | | | | X | | | .240"/6.1mm | .040"/1.0mm | Flooded, Direct Burial | 278.74 |
| CA-5EF4-R1K | C5e | 24SLD | PE | BLK | X | | | | X | | | .240"/6.1mm | .040"/1.0mm | Flooded | 133.67 |
| TC5700 | C5e | 24STR | PUR | BLK | X | | | X | X | | | .228"/5.8mm | .039"/.99mm | | 610.32 |
| TC5750 | C5e | 24STR | TPE | BLK | X | | | X | X | X | | .277"/5.8mm | .039"/.99mm | CMX Flame Rating | 610.32 |
| TOFC5-BLK | C5e | 24SLD | PE | BLK | | X | | | X | | | .248"/6.3mm | .038"/.97mm | CMX Flame Rating, Direct Burial, Cell Tower | 215.53 |
| TOFDLC5-BLK | C5e | 24SLD | PE | BLK | | X | | | X | | X | .252"/6.4mm | .036"/.91mm | CMX Flame Rating, Direct Burial | 216.57 |
| TFCPUR5730 | C5e | 26STR | PUR | BLK | | | X | | X | X | | .220"/5.6mm | .039"/.99mm | | 983.35 |
| TFCHF2004 | C5e | 26STR | PUR | Teal | | | X | X | | X | X | .248"/6.3mm | .040"/1.01mm | CMG Flame Rating | 3107.56 |
| TFCLS2005 | C5e | 26STR | PUR | Teal | | | X | X | | X | X | .244"/6.2mm | .037"/.94mm | CMX Flame Rating | 1501.45 |
| TFCLS5075 | C5e | 26STR | PUR | BLK | | | X | X | | X | X | .244"/6.2mm | .037"/.94mm | CMX Flame Rating | 1501.45 |
| TFC5734 | C5e | 26STR | TPE | BLK | | | X | | X | X | | .237"/6.1mm | .039"/.99mm | CMX Flame Rating | 827.92 |
| TFDL5025 | C5e | 24STR | TPE | Teal | | | X | X | X | X | | .265"/6.7mm | .047"/1.19mm | 2 pair, CMX Flame Rating, 600V | 865.00 |
| TFDL5083 | C5e | 26STR | TPE | BLK | | | X | X | X | X | | .244"/6.2mm | .037"/.94mm | CMX Flame Rating | 1134.64 |
| TFDL5088 | C5e | 26STR | TPE | Teal | | | X | X | X | X | | .244"/6.2mm | .037"/.94mm | CMX Flame Rating | 1170.85 |
| TFDL5089 | C5e | 24STR | TPE | BLK | | | X | X | X | X | | .290"/7.4mm | .046"/1.2mm | CMX Flame Rating, 600V | 1170.85 |
| TFDL5090 | C5e | 24STR | TPE | Teal | | | X | X | X | X | | .290"/7.4mm | .046"/1.2mm | CMX Flame Rating, 600V | 1129.95 |
| TOAC2005 | C6 | 24SLD | PE | BLK | X | | | | X | | | .246"/6.2mm | .039"/.99mm | Gel-Filled, Aerial Lashed | 454.89 |
| TOC35911 | C6 | 23SLD | PE | BLK | X | | | | X | | | .260"/6.6mm | .040"/1.0mm | Gel-Filled | 299.46 |
| TOFC6-BLK | C6 | 23SLD | PE | BLK | | X | | | X | | | .311"/7.9mm | .047"/1.19mm | CMX Flame Rating, Direct Burial, Cell Tower | 271.48 |
| TOC6A-BLK | C6a | 23SLD | PE | BLK | X | | | | X | | | .299"/7.6mm | .040"/1.02mm | CMX Flame Rating, Direct Burial | 302.57 |
| TOFC6A-BLK | C6a | 23SLD | PE | BLK | | X | | | X | | | .335"/8.5mm | .046"/1.18mm | CMX Flame Rating, Direct Burial, Cell Tower | 327.44 |
| TFDL5026 | C6a | 26STR | TPE | Teal | | | X | X | X | X | | .275"/7.0mm | .036"/.91mm | CMX Flame Rating | 1242.40 |

TC5750



TFCHF2004



TFDL5026



TRD877HF



EXTREME HIGH-FLEX SHIELDED CATEGORY 5e

• 4 pair 26 AWG stranded

• Braid + foil shield

• Zero Halogen jacket

• Tested to 10 million flex cycles

TRD855HFX



HIGH-FLEX SHIELDED CATEGORY 5e

• 4 pair 26 AWG stranded

• Oil resistant jacket

• Tested to 2.5 million flex cycles

• Braid shielding

| Item # | Description | Color | 1-9 | 10-24 | 25-99 | 100+ |
|---|---|-------|--------|--------|--------|------|
| Extrem | | | | | | |
| This series features 26 AWG stranded conductors and a braid and foil shield. The outer jacket is low-friction halogen-free PUR. This cable has been tested to 10 million flex cycles. | | | | | | |
| TRD877HF-1 | Shielded Cat5e Extreme Hi-Flex Patch Cord, RJ45/RJ45, 1.0ft (0.3m) | Teal | 41.75 | 40.08 | 38.41 | CALL |
| TRD877HF-2 | Shielded Cat5e Extreme Hi-Flex Patch Cord, RJ45/RJ45, 2.0ft (0.6m) | Teal | 45.58 | 43.76 | 41.94 | CALL |
| TRD877HF-3 | Shielded Cat5e Extreme Hi-Flex Patch Cord, RJ45/RJ45, 3.0ft (0.9m) | Teal | 49.52 | 47.54 | 45.56 | CALL |
| TRD877HF-5 | Shielded Cat5e Extreme Hi-Flex Patch Cord, RJ45/RJ45, 5.0ft (1.5m) | Teal | 57.29 | 55.00 | 52.71 | CALL |
| TRD877HF-7 | Shielded Cat5e Extreme Hi-Flex Patch Cord, RJ45/RJ45, 7.0ft (2.1m) | Teal | 65.06 | 62.46 | 59.86 | CALL |
| TRD877HF-10 | Shielded Cat5e Extreme Hi-Flex Patch Cord, RJ45/RJ45, 10.0ft (3.0m) | Teal | 76.67 | 73.60 | 70.53 | CALL |
| TRD877HF-15 | Shielded Cat5e Extreme Hi-Flex Patch Cord, RJ45/RJ45, 15.0ft (4.6m) | Teal | 96.15 | 92.30 | 88.46 | CALL |
| TRD877HF-25 | Shielded Cat5e Extreme Hi-Flex Patch Cord, RJ45/RJ45, 25.0ft (7.6m) | Teal | 135.01 | 129.61 | 124.21 | CALL |
| TRD877HF-50 | Shielded Cat5e Extreme Hi-Flex Patch Cord, RJ45/RJ45, 50.0ft (15.2m) | Teal | 232.10 | 222.81 | 213.53 | CALL |
| TRD877HF-75 | Shielded Cat5e Extreme Hi-Flex Patch Cord, RJ45/RJ45, 75.0ft (22.9m) | Teal | 329.29 | 316.12 | 302.95 | CALL |
| TRD877HF-100 | Shielded Cat5e Extreme Hi-Flex Patch Cord, RJ45/RJ45, 100.0ft (30.4m) | Teal | 426.39 | 409.33 | 392.28 | CALL |

| | | | | | | |
|---|---|------|--------|--------|--------|------|
| Hi-Flex Oil Resistant Category 5e Patch Cords | | | | | | |
| This series features 26 AWG stranded conductors and a braided shield. The outer jacket is low-friction halogen-free PUR that is perfect for cable track applications. | | | | | | |
| TRD855HFX-1 | Shielded Cat5e Hi-Flex Patch Cord, RJ45/RJ45, 1.0ft (0.3m) | Teal | 41.96 | 40.28 | 38.60 | CALL |
| TRD855HFX-2 | Shielded Cat5e Hi-Flex Patch Cord, RJ45/RJ45, 2.0ft (0.6m) | Teal | 45.58 | 43.76 | 41.94 | CALL |
| TRD855HFX-3 | Shielded Cat5e Hi-Flex Patch Cord, RJ45/RJ45, 3.0ft (0.9m) | Teal | 49.21 | 47.24 | 45.27 | CALL |
| TRD855HFX-5 | Shielded Cat5e Hi-Flex Patch Cord, RJ45/RJ45, 5.0ft (1.5m) | Teal | 56.46 | 54.20 | 51.95 | CALL |
| TRD855HFX-7 | Shielded Cat5e Hi-Flex Patch Cord, RJ45/RJ45, 7.0ft (2.1m) | Teal | 63.72 | 61.17 | 58.62 | CALL |
| TRD855HFX-10 | Shielded Cat5e Hi-Flex Patch Cord, RJ45/RJ45, 10.0ft (3.0m) | Teal | 74.60 | 71.61 | 68.63 | CALL |
| TRD855HFX-15 | Shielded Cat5e Hi-Flex Patch Cord, RJ45/RJ45, 15.0ft (4.6m) | Teal | 92.73 | 89.02 | 85.31 | CALL |
| TRD855HFX-25 | Shielded Cat5e Hi-Flex Patch Cord, RJ45/RJ45, 25.0ft (7.6m) | Teal | 129.00 | 123.84 | 118.68 | CALL |
| TRD855HFX-50 | Shielded Cat5e Hi-Flex Patch Cord, RJ45/RJ45, 50.0ft (15.2m) | Teal | 219.66 | 210.88 | 202.09 | CALL |
| TRD855HFX-75 | Shielded Cat5e Hi-Flex Patch Cord, RJ45/RJ45, 75.0ft (22.9m) | Teal | 310.33 | 297.92 | 285.51 | CALL |
| TRD855HFX-100 | Shielded Cat5e Hi-Flex Patch Cord, RJ45/RJ45, 100.0ft (30.4m) | Teal | 401.00 | 384.96 | 368.92 | CALL |

| Item # | Description | 1-9 | 10-24 | 25-99 | 100+ |
|--------|-------------|-----|-------|-------|------|
|--------|-------------|-----|-------|-------|------|

Category 5e and 6a RJ45 Outdoor Continuous Flex Oil Resistant Shielded Industrial Ethernet Patch Cords

Designed for industrial or outdoor environments where ordinary patch cables fail, these exclusive ultra flexible Cat5e and 6a patch cord series from L-com is built to take a beating. These cables utilize an outdoor rated FR-TPE (Flame-Retardant Thermoplastic Elastomer) jacket that is resistant to industrial oils and UV damage while maintaining a CMX flame rating. Double shielding along with L-com's shielded RJ45 connectors remove EMI/RFI interference as a concern for your installation. The cable is EIA568 color-coded for compatibility with standard installations.

| | | | | | |
|---------------|---|--------|--------|--------|------|
| TRD855HF0-1 | Category 5e Outdoor High Flex Shielded Ethernet Cable, RJ45/RJ45, 1.0ft (0.3m) | 38.75 | 37.20 | 35.65 | CALL |
| TRD855HF0-3 | Category 5e Outdoor High Flex Shielded Ethernet Cable, RJ45/RJ45, 3.0ft (0.9m) | 46.52 | 44.66 | 42.80 | CALL |
| TRD855HF0-5 | Category 5e Outdoor High Flex Shielded Ethernet Cable, RJ45/RJ45, 5.0ft (1.5m) | 54.29 | 52.12 | 49.95 | CALL |
| TRD855HF0-10 | Category 5e Outdoor High Flex Shielded Ethernet Cable, RJ45/RJ45, 10.0ft (3.0m) | 73.67 | 70.72 | 67.78 | CALL |
| TRD855HF0-25 | Category 5e Outdoor High Flex Shielded Ethernet Cable, RJ45/RJ45, 25.0ft (7.6m) | 133.01 | 127.69 | 122.37 | CALL |
| TRD855HF0-50 | Category 5e Outdoor High Flex Shielded Ethernet Cable, RJ45/RJ45, 50.0ft (15.2m) | 229.10 | 219.94 | 210.77 | CALL |
| TRD855HF0-75 | Category 5e Outdoor High Flex Shielded Ethernet Cable, RJ45/RJ45, 75.0ft (22.9m) | 326.29 | 313.24 | 300.19 | CALL |
| TRD855HF0-100 | Category 5e Outdoor High Flex Shielded Ethernet Cable, RJ45/RJ45, 100.0ft (30.5m) | 423.39 | 406.45 | 389.52 | CALL |
| TRD695AHF-1 | Category 6a Outdoor High Flex Shielded Ethernet Cable, RJ45/RJ45, 1.0ft (0.3m) | 52.53 | 50.43 | 48.33 | CALL |
| TRD695AHF-3 | Category 6a Outdoor High Flex Shielded Ethernet Cable, RJ45/RJ45, 3.0ft (0.9m) | 59.78 | 57.39 | 55.00 | CALL |
| TRD695AHF-5 | Category 6a Outdoor High Flex Shielded Ethernet Cable, RJ45/RJ45, 5.0ft (1.5m) | 67.04 | 64.36 | 61.68 | CALL |
| TRD695AHF-10 | Category 6a Outdoor High Flex Shielded Ethernet Cable, RJ45/RJ45, 10.0ft (3.0m) | 85.32 | 81.91 | 78.49 | CALL |
| TRD695AHF-20 | Category 6a Outdoor High Flex Shielded Ethernet Cable, RJ45/RJ45, 20.0ft (6.1m) | 121.62 | 116.76 | 111.89 | CALL |
| TRD695AHF-25 | Category 6a Outdoor High Flex Shielded Ethernet Cable, RJ45/RJ45, 25.0ft (7.6m) | 139.81 | 134.22 | 128.63 | CALL |
| TRD695AHF-30 | Category 6a Outdoor High Flex Shielded Ethernet Cable, RJ45/RJ45, 30.0ft (9.1m) | 157.98 | 151.66 | 145.34 | CALL |
| TRD695AHF-50 | Category 6a Outdoor High Flex Shielded Ethernet Cable, RJ45/RJ45, 50.0ft (15.2m) | 230.61 | 221.39 | 212.16 | CALL |

Category 5e Continuous Flex Unshielded Ethernet Patch Cords

Designed for industrial or outdoor environments where ordinary patch cables fail, this exclusive ultra flexible Category 5E patch cord series from L-com are built to take a beating. The TPE (Thermoplastic Elastomer) series is resistant to oils, UV damage, weld spatter and is CMX rated. The PUR (Polyurethane) series is resistant to UV Damage.

| | | | | | |
|---------------|--|--------|--------|--------|------|
| TRD855HFT-1 | Category 5e Outdoor UTP High Flex Ethernet Assembly, CMX TPE Jacket, 1.0ft (0.3m) | 14.18 | 13.33 | 12.48 | CALL |
| TRD855HFT-3 | Category 5e Outdoor UTP High Flex Ethernet Assembly, CMX TPE Jacket, 3.0ft (0.9m) | 17.09 | 16.06 | 15.04 | CALL |
| TRD855HFT-5 | Category 5e Outdoor UTP High Flex Ethernet Assembly, CMX TPE Jacket, 5.0ft (1.5m) | 19.95 | 18.75 | 17.56 | CALL |
| TRD855HFT-10 | Category 5e Outdoor UTP High Flex Ethernet Assembly, CMX TPE Jacket, 10.0ft (3.0m) | 27.18 | 25.55 | 23.92 | CALL |
| TRD855HFT-25 | Category 5e Outdoor UTP High Flex Ethernet Assembly, CMX TPE Jacket, 25.0ft (7.6m) | 48.86 | 45.93 | 43.00 | CALL |
| TRD855HFT-50 | Category 5e Outdoor UTP High Flex Ethernet Assembly, CMX TPE Jacket, 50.0ft (15.2m) | 86.59 | 81.39 | 76.20 | CALL |
| TRD855HFT-75 | Category 5e Outdoor UTP High Flex Ethernet Assembly, CMX TPE Jacket, 75.0ft (22.9m) | 122.73 | 115.37 | 108.00 | CALL |
| TRD855HFT-100 | Category 5e Outdoor UTP High Flex Ethernet Assembly, CMX TPE Jacket, 100.0ft (30.5m) | 158.86 | 149.33 | 139.80 | CALL |
| TRD855HFP-1 | Category 5e Outdoor UTP High Flex Ethernet Assembly, PUR Jacket, 1.0ft (0.3m) | 12.00 | 11.28 | 10.56 | CALL |
| TRD855HFP-3 | Category 5e Outdoor UTP High Flex Ethernet Assembly, PUR Jacket, 3.0ft (0.9m) | 14.46 | 13.59 | 12.72 | CALL |
| TRD855HFP-5 | Category 5e Outdoor UTP High Flex Ethernet Assembly, PUR Jacket, 5.0ft (1.5m) | 16.92 | 15.90 | 14.89 | CALL |
| TRD855HFP-10 | Category 5e Outdoor UTP High Flex Ethernet Assembly, PUR Jacket, 10.0ft (3.0m) | 23.07 | 21.69 | 20.30 | CALL |
| TRD855HFP-25 | Category 5e Outdoor UTP High Flex Ethernet Assembly, PUR Jacket, 25.0ft (7.6m) | 41.52 | 39.03 | 36.54 | CALL |
| TRD855HFP-50 | Category 5e Outdoor UTP High Flex Ethernet Assembly, PUR Jacket, 50.0ft (15.2m) | 73.27 | 68.87 | 64.48 | CALL |
| TRD855HFP-75 | Category 5e Outdoor UTP High Flex Ethernet Assembly, PUR Jacket, 75.0ft (22.9m) | 103.02 | 96.84 | 90.66 | CALL |
| TRD855HFP-100 | Category 5e Outdoor UTP High Flex Ethernet Assembly, PUR Jacket, 100.0ft (30.5m) | 133.77 | 125.74 | 117.72 | CALL |

Category 6a M12 8 Position X Code Double Shielded Industrial Cables, M12 M/GigE

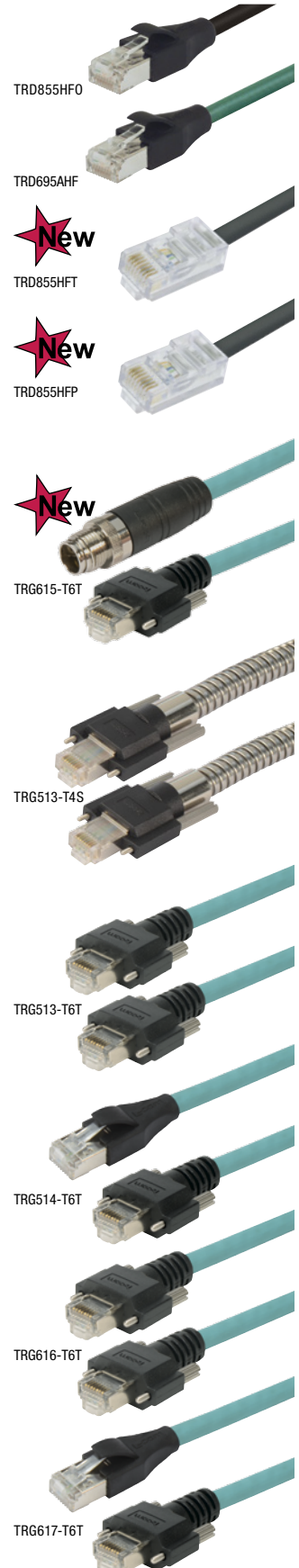
L-com's premium family of M12 cables now includes X-coded assemblies rated for 10Gig speeds. These assemblies are here for your roughest and most demanding applications. Built with high flex, outdoor CMX rated, double shielded, FR-TPE cable and using IP67 M12 connectors, these assemblies are as robust as they come. They are designed to exceed category standards to ensure network throughput even in harsh industrial or weather environments. Off the shelf connector options include X coded, 8 position male and female M12's plus standard RJ45s and even GigE machine vision RJ45 connectors. X-code cables are rated for Category 6a. Contact us today with your M12 applications.

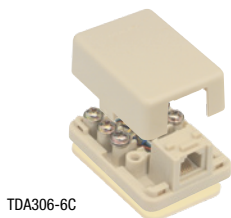
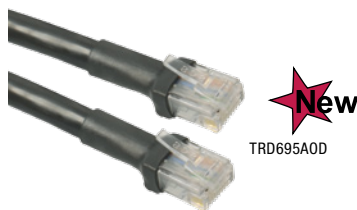
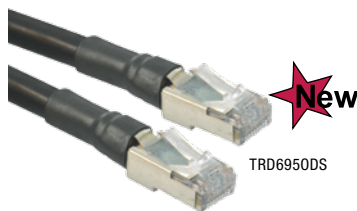
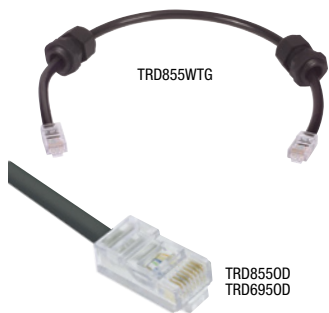
| | | | | | |
|----------------|--|--------|--------|--------|------|
| TRG615-T6T-1M | Double Shielded Cat6a Industrial/Outdoor Hi-Flex M12 8 Position X-Coded Male/GigE, 1.0m | 60.90 | 58.46 | 56.03 | CALL |
| TRG615-T6T-2M | Double Shielded Cat6a Industrial/Outdoor Hi-Flex M12 8 Position X-Coded Male/GigE, 2.0m | 71.27 | 68.42 | 65.57 | CALL |
| TRG615-T6T-3M | Double Shielded Cat6a Industrial/Outdoor Hi-Flex M12 8 Position X-Coded Male/GigE, 3.0m | 83.48 | 80.14 | 76.80 | CALL |
| TRG615-T6T-5M | Double Shielded Cat6a Industrial/Outdoor Hi-Flex M12 8 Position X-Coded Male/GigE, 5.0m | 107.33 | 103.04 | 98.74 | CALL |
| TRG615-T6T-10M | Double Shielded Cat6a Industrial/Outdoor Hi-Flex M12 8 Position X-Coded Male/GigE, 10.0m | 168.91 | 162.15 | 155.40 | CALL |

Category 5e and 6a GigE Vision Assemblies

L-com now offers GigE Vision connectors using Category 5e or 6a Ethernet. The GigE connectors are built to the Vision standard and are perfect for machine vision camera and PoE applications. The screw mount hardware is beneficial in many applications where standard RJ45 connectors can become dislodged due to jostling, vibration, ect. These assemblies are built with L-com's outdoor, industrial, high-flex cable and are excellent for industrial, heavy duty and outdoor applications.

| | | | | | |
|----------------|---|--------|--------|--------|------|
| TRG513-T4S-1M | Double Shielded Cat5e Industrial/Armored Hi-Flex GigE/GigE, 1.0m | 40.45 | 39.24 | 38.02 | CALL |
| TRG513-T4S-2M | Double Shielded Cat5e Industrial/Armored Hi-Flex GigE/GigE, 2.0m | 58.85 | 56.89 | 55.13 | CALL |
| TRG513-T4S-3M | Double Shielded Cat5e Industrial/Armored Hi-Flex GigE/GigE, 3.0m | 76.25 | 73.96 | 71.67 | CALL |
| TRG513-T4S-5M | Double Shielded Cat5e Industrial/Armored Hi-Flex GigE/GigE, 5.0m | 115.55 | 112.08 | 108.62 | CALL |
| TRG513-T4S-10M | Double Shielded Cat5e Industrial/Armored Hi-Flex GigE/GigE, 10.0m | 202.95 | 196.86 | 190.77 | CALL |
| TRG513-T6T-1M | Double Shielded Cat5e Industrial/Outdoor Hi-Flex GigE/GigE, 1.0m | 18.95 | 18.38 | 17.81 | CALL |
| TRG513-T6T-2M | Double Shielded Cat5e Industrial/Outdoor Hi-Flex GigE/GigE, 2.0m | 30.75 | 29.83 | 28.90 | CALL |
| TRG513-T6T-3M | Double Shielded Cat5e Industrial/Outdoor Hi-Flex GigE/GigE, 3.0m | 42.85 | 41.56 | 40.28 | CALL |
| TRG513-T6T-5M | Double Shielded Cat5e Industrial/Outdoor Hi-Flex GigE/GigE, 5.0m | 58.85 | 57.08 | 55.32 | CALL |
| TRG513-T6T-10M | Double Shielded Cat5e Industrial/Outdoor Hi-Flex GigE/GigE, 10.0m | 111.45 | 108.11 | 104.76 | CALL |
| TRG514-T6T-1M | Double Shielded Cat5e Industrial/Outdoor Hi-Flex RJ45/GigE, 1.0m | 17.65 | 17.12 | 16.59 | CALL |
| TRG514-T6T-2M | Double Shielded Cat5e Industrial/Outdoor Hi-Flex RJ45/GigE, 2.0m | 29.55 | 28.66 | 27.78 | CALL |
| TRG514-T6T-3M | Double Shielded Cat5e Industrial/Outdoor Hi-Flex RJ45/GigE, 3.0m | 41.45 | 40.21 | 38.96 | CALL |
| TRG514-T6T-5M | Double Shielded Cat5e Industrial/Outdoor Hi-Flex RJ45/GigE, 5.0m | 57.65 | 55.92 | 54.19 | CALL |
| TRG514-T6T-10M | Double Shielded Cat5e Industrial/Outdoor Hi-Flex RJ45/GigE, 10.0m | 110.25 | 106.94 | 103.63 | CALL |
| TRG616-T6T-1M | Double Shielded Cat6a Industrial/Outdoor Hi-Flex GigE/GigE, 1.0m | 22.45 | 21.78 | 21.10 | CALL |
| TRG616-T6T-2M | Double Shielded Cat6a Industrial/Outdoor Hi-Flex GigE/GigE, 2.0m | 36.85 | 35.74 | 34.64 | CALL |
| TRG616-T6T-3M | Double Shielded Cat6a Industrial/Outdoor Hi-Flex GigE/GigE, 3.0m | 50.55 | 49.03 | 47.52 | CALL |
| TRG616-T6T-5M | Double Shielded Cat6a Industrial/Outdoor Hi-Flex GigE/GigE, 5.0m | 68.85 | 66.78 | 64.72 | CALL |
| TRG616-T6T-10M | Double Shielded Cat6a Industrial/Outdoor Hi-Flex GigE/GigE, 10.0m | 132.85 | 128.86 | 124.88 | CALL |
| TRG617-T6T-1M | Double Shielded Cat6a Industrial/Outdoor Hi-Flex RJ45/GigE, 1.0m | 20.85 | 20.22 | 19.60 | CALL |
| TRG617-T6T-2M | Double Shielded Cat6a Industrial/Outdoor Hi-Flex RJ45/GigE, 2.0m | 35.25 | 34.19 | 33.13 | CALL |
| TRG617-T6T-3M | Double Shielded Cat6a Industrial/Outdoor Hi-Flex RJ45/GigE, 3.0m | 48.95 | 47.48 | 46.01 | CALL |
| TRG617-T6T-5M | Double Shielded Cat6a Industrial/Outdoor Hi-Flex RJ45/GigE, 5.0m | 67.35 | 65.33 | 63.31 | CALL |
| TRG617-T6T-10M | Double Shielded Cat6a Industrial/Outdoor Hi-Flex RJ45/GigE, 10.0m | 131.38 | 127.44 | 123.50 | CALL |





| Item # | Description | 1-9 | 10-24 | 25-99 | 100+ |
|--------|-------------|-----|-------|-------|------|
|--------|-------------|-----|-------|-------|------|

Outdoor Ethernet Assemblies

Protect Ethernet cable runs outside with L-com's Outdoor Category rated assemblies. All are built with UV and moisture protected jackets suitable for outdoor use. Available in shielded or unshielded and Category 5e, Category 6 or Category 6a, L-com has all options covered. One version is LSZH and some are suitable for direct burial. Contact L-com with your outdoor application requirements today!

| | | | | | |
|---------------|---|--------|--------|--------|------|
| TRD855WTG-5 | Unshielded Outdoor Cat5e Cable Assembly 24AWG Solid w/Weather Tight Grommets, 5.0ft (1.5m) | 51.80 | 48.69 | 45.58 | CALL |
| TRD855WTG-10 | Unshielded Outdoor Cat5e Cable Assembly 24AWG Solid w/Weather Tight Grommets, 10.0ft (3.0m) | 56.98 | 53.56 | 50.14 | CALL |
| TRD855WTG-25 | Unshielded Outdoor Cat5e Cable Assembly 24AWG Solid w/Weather Tight Grommets, 25.0ft (7.6m) | 72.52 | 68.17 | 63.82 | CALL |
| TRD855WTG-50 | Unshielded Outdoor Cat5e Cable Assembly 24AWG Solid w/Weather Tight Grommets, 50.0ft (15.2m) | 98.43 | 92.52 | 86.62 | CALL |
| TRD855WTG-100 | Unshielded Outdoor Cat5e Cable Assembly 24AWG Solid w/Weather Tight Grommets, 100.0ft (30.5m) | 150.24 | 141.22 | 132.21 | CALL |

| | | | | | |
|--------------|--|--------|--------|--------|------|
| TRD855OD-5 | Unshielded Cat5e Outdoor Cable Assembly 24AWG Solid, 5.0ft (1.5m) | 24.95 | 23.45 | 21.96 | CALL |
| TRD855OD-10 | Unshielded Cat5e Outdoor Cable Assembly 24AWG Solid, 10.0ft (3.0m) | 30.10 | 28.29 | 26.49 | CALL |
| TRD855OD-25 | Unshielded Cat5e Outdoor Cable Assembly 24AWG Solid, 25.0ft (7.6m) | 45.75 | 43.00 | 40.26 | CALL |
| TRD855OD-50 | Unshielded Cat5e Outdoor Cable Assembly 24AWG Solid, 50.0ft (15.2m) | 71.75 | 67.44 | 63.14 | CALL |
| TRD855OD-100 | Unshielded Cat5e Outdoor Cable Assembly 24AWG Solid, 100.0ft (30.4m) | 123.75 | 116.32 | 108.90 | CALL |

| | | | | | |
|---------------|--|--------|--------|--------|------|
| TRD855ODS-1 | Shielded Outdoor Cat5e Cable Assembly 24AWG Solid, 1.0ft (0.3m) | 23.79 | 22.36 | 20.94 | CALL |
| TRD855ODS-3 | Shielded Outdoor Cat5e Cable Assembly 24AWG Solid, 3.0ft (0.9m) | 25.87 | 24.32 | 22.77 | CALL |
| TRD855ODS-5 | Shielded Outdoor Cat5e Cable Assembly 24AWG Solid, 5.0ft (1.5m) | 27.95 | 26.27 | 24.60 | CALL |
| TRD855ODS-10 | Shielded Outdoor Cat5e Cable Assembly 24AWG Solid, 10.0ft (3.0m) | 33.15 | 31.16 | 29.17 | CALL |
| TRD855ODS-25 | Shielded Outdoor Cat5e Cable Assembly 24AWG Solid, 25.0ft (7.6m) | 48.75 | 45.82 | 42.90 | CALL |
| TRD855ODS-50 | Shielded Outdoor Cat5e Cable Assembly 24AWG Solid, 50.0ft (15.2m) | 74.75 | 70.27 | 65.78 | CALL |
| TRD855ODS-75 | Shielded Outdoor Cat5e Cable Assembly 24AWG Solid, 75.0ft (22.9m) | 100.75 | 94.70 | 88.66 | CALL |
| TRD855ODS-100 | Shielded Outdoor Cat5e Cable Assembly 24AWG Solid, 100.0ft (30.4m) | 126.75 | 119.14 | 111.54 | CALL |

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|-----------------|---|--------|--------|--------|------|
| TRD855ODSLZ-1 | Shielded Outdoor Cat5e LSZH Cable Assembly 24AWG Solid Direct Burial Capable, 1.0ft (0.3m) | 24.79 | 23.30 | 21.82 | CALL |
| TRD855ODSLZ-3 | Shielded Outdoor Cat5e LSZH Cable Assembly 24AWG Solid Direct Burial Capable, 3.0ft (0.9m) | 26.87 | 25.26 | 23.65 | CALL |
| TRD855ODSLZ-5 | Shielded Outdoor Cat5e LSZH Cable Assembly 24AWG Solid Direct Burial Capable, 5.0ft (1.5m) | 28.95 | 27.21 | 25.48 | CALL |
| TRD855ODSLZ-10 | Shielded Outdoor Cat5e LSZH Cable Assembly 24AWG Solid Direct Burial Capable, 10.0ft (3.0m) | 34.15 | 32.10 | 30.05 | CALL |
| TRD855ODSLZ-25 | Shielded Outdoor Cat5e LSZH Cable Assembly 24AWG Solid Direct Burial Capable, 25.0ft (7.6m) | 49.75 | 46.77 | 43.78 | CALL |
| TRD855ODSLZ-50 | Shielded Outdoor Cat5e LSZH Cable Assembly 24AWG Solid Direct Burial Capable, 50.0ft (15.2m) | 75.75 | 71.20 | 66.66 | CALL |
| TRD855ODSLZ-75 | Shielded Outdoor Cat5e LSZH Cable Assembly 24AWG Solid Direct Burial Capable, 75.0ft (22.9m) | 101.75 | 95.64 | 89.54 | CALL |
| TRD855ODSLZ-100 | Shielded Outdoor Cat5e LSZH Cable Assembly 24AWG Solid Direct Burial Capable, 100.0ft (30.4m) | 127.75 | 120.08 | 112.42 | CALL |

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|--------------|---|--------|--------|--------|------|
| TRD695OD-5 | Unshielded Cat6 Outdoor Cable Assembly 24AWG Solid, 5.0ft (1.5m) | 30.95 | 29.09 | 27.24 | CALL |
| TRD695OD-10 | Unshielded Cat6 Outdoor Cable Assembly 24AWG Solid, 10.0ft (3.0m) | 36.20 | 34.03 | 31.86 | CALL |
| TRD695OD-25 | Unshielded Cat6 Outdoor Cable Assembly 24AWG Solid, 25.0ft (7.6m) | 51.95 | 48.83 | 45.72 | CALL |
| TRD695OD-50 | Unshielded Cat6 Outdoor Cable Assembly 24AWG Solid, 50.0ft (15.2m) | 78.20 | 73.51 | 68.82 | CALL |
| TRD695OD-100 | Unshielded Cat6 Outdoor Cable Assembly 24AWG Solid, 100.0ft (30.4m) | 130.70 | 122.86 | 115.02 | CALL |

| | | | | | |
|---------------|---|--------|--------|--------|------|
| TRD695ODS-1 | Shielded Outdoor Cat6 Cable Assembly 23AWG Solid Direct Burial Capable, 1.0ft (0.3m) | 29.75 | 27.96 | 26.18 | CALL |
| TRD695ODS-3 | Shielded Outdoor Cat6 Cable Assembly 23AWG Solid Direct Burial Capable, 3.0ft (0.9m) | 31.85 | 29.94 | 28.03 | CALL |
| TRD695ODS-5 | Shielded Outdoor Cat6 Cable Assembly 23AWG Solid Direct Burial Capable, 5.0ft (1.5m) | 41.45 | 38.96 | 36.48 | CALL |
| TRD695ODS-10 | Shielded Outdoor Cat6 Cable Assembly 23AWG Solid Direct Burial Capable, 10.0ft (3.0m) | 39.20 | 36.85 | 34.50 | CALL |
| TRD695ODS-25 | Shielded Outdoor Cat6 Cable Assembly 23AWG Solid Direct Burial Capable, 25.0ft (7.6m) | 54.95 | 51.65 | 48.36 | CALL |
| TRD695ODS-50 | Shielded Outdoor Cat6 Cable Assembly 23AWG Solid Direct Burial Capable, 50.0ft (15.2m) | 81.20 | 76.33 | 71.46 | CALL |
| TRD695ODS-75 | Shielded Outdoor Cat6 Cable Assembly 23AWG Solid Direct Burial Capable, 75.0ft (22.9m) | 103.35 | 97.15 | 90.95 | CALL |
| TRD695ODS-100 | Shielded Outdoor Cat6 Cable Assembly 23AWG Solid Direct Burial Capable, 100.0ft (30.4m) | 133.70 | 125.68 | 117.66 | CALL |

| | | | | | |
|---------------|--|--------|--------|--------|------|
| TRD695AOD-1 | Unshielded Outdoor Cat6a Cable Assembly 23AWG Solid, 1.0ft (0.3m) | 32.75 | 30.78 | 28.82 | CALL |
| TRD695AOD-3 | Unshielded Outdoor Cat6a Cable Assembly 23AWG Solid, 3.0ft (0.9m) | 34.85 | 32.76 | 30.67 | CALL |
| TRD695AOD-5 | Unshielded Outdoor Cat6a Cable Assembly 23AWG Solid, 5.0ft (1.5m) | 36.95 | 34.73 | 32.52 | CALL |
| TRD695AOD-10 | Unshielded Outdoor Cat6a Cable Assembly 23AWG Solid, 10.0ft (3.0m) | 42.20 | 39.67 | 37.14 | CALL |
| TRD695AOD-25 | Unshielded Outdoor Cat6a Cable Assembly 23AWG Solid, 25.0ft (7.6m) | 57.95 | 54.47 | 51.00 | CALL |
| TRD695AOD-50 | Unshielded Outdoor Cat6a Cable Assembly 23AWG Solid, 50.0ft (15.2m) | 84.20 | 79.15 | 74.10 | CALL |
| TRD695AOD-75 | Unshielded Outdoor Cat6a Cable Assembly 23AWG Solid, 75.0ft (22.9m) | 110.45 | 103.82 | 97.20 | CALL |
| TRD695AOD-100 | Unshielded Outdoor Cat6a Cable Assembly 23AWG Solid, 100.0ft (30.4m) | 136.70 | 128.50 | 120.30 | CALL |

| | | | | | |
|----------------|--|--------|--------|--------|------|
| TRD695AODS-1 | Unshielded Outdoor Cat6a Cable Assembly 23AWG Solid, 1.0ft (0.3m) | 35.75 | 33.60 | 31.46 | CALL |
| TRD695AODS-3 | Unshielded Outdoor Cat6a Cable Assembly 23AWG Solid, 3.0ft (0.9m) | 37.85 | 35.58 | 33.31 | CALL |
| TRD695AODS-5 | Unshielded Outdoor Cat6a Cable Assembly 23AWG Solid, 5.0ft (1.5m) | 39.95 | 37.55 | 35.16 | CALL |
| TRD695AODS-10 | Unshielded Outdoor Cat6a Cable Assembly 23AWG Solid, 10.0ft (3.0m) | 45.20 | 42.49 | 39.78 | CALL |
| TRD695AODS-25 | Unshielded Outdoor Cat6a Cable Assembly 23AWG Solid, 25.0ft (7.6m) | 60.95 | 57.29 | 53.64 | CALL |
| TRD695AODS-50 | Unshielded Outdoor Cat6a Cable Assembly 23AWG Solid, 50.0ft (15.2m) | 87.20 | 81.97 | 76.74 | CALL |
| TRD695AODS-75 | Unshielded Outdoor Cat6a Cable Assembly 23AWG Solid, 75.0ft (22.9m) | 113.45 | 106.64 | 99.84 | CALL |
| TRD695AODS-100 | Unshielded Outdoor Cat6a Cable Assembly 23AWG Solid, 100.0ft (30.4m) | 136.70 | 128.50 | 120.30 | CALL |

Surface Mounted Jacks - Feature Standard Screw Connections and Snap Covers

Eliminating the cover retaining screw and pre-wiring the jack assembly to the terminals reduces installation time. Packaging includes double-sided adhesive tape for mounting on desks, cabinets or where attaching with wood screws is objectionable.

| | | | | | |
|-----------|--|------|------|------|------|
| TDA310-4C | Modular Surface Mount Jack, Side Access, RJ11 (6x4) | 2.33 | 2.14 | 1.96 | CALL |
| TDA310-6C | Modular Surface Mount Jack, Side Access, RJ12 (6x6) | 2.85 | 2.62 | 2.39 | CALL |
| RJ31X | Modular Surface Mount Jack, with Shorting Bars, RJ45 (8x8) | 5.13 | 4.72 | 4.31 | CALL |

Surface Mounted Jack - Narrow Type for High-Density Applications

Measuring less than 1.7" (4.3cm) in width with cable entrance in the rear and supplied with wood mounting screws and two-sided adhesive tape. Screw terminal wiring.

| | | | | | |
|-----------|--|------|------|------|------|
| TDA306-6C | Modular Surface Mount Jack, End Access, RJ12 (6x6) | 2.85 | 2.62 | 2.39 | CALL |
|-----------|--|------|------|------|------|

| Item # | Description | 1-9 | 10-24 | 25-99 | 100+ |
|--------|-------------|-----|-------|-------|------|
|--------|-------------|-----|-------|-------|------|

Category Rated IP67 Bulkhead Shielded Panel Mount Couplers with Dust Cap

Bring waterproof protection to your network today with L-com's IP67 rated RJ45 bulkheads. Available in both Category 5e and Category 6, these couplers are RJ45 female/female and are shielded for maximum EMI/RFI protection. These couplers are designed to keep things simple as they do not require special mating assemblies and are designed to be capped when not in use. As such, each coupler comes with a dust cap tethered by a lanyard. A coupling nut and o-ring along with a simple cut-out allow for mounting without additional hardware or tooling. The couplers are standard RJ45 jacks on both sides and the inner side has as little protrusion as possible allowing you have the maximum space to work with inside your panel or box.

| | | | | | |
|---------|--|-------|-------|-------|------|
| WPBHC5E | Shielded Category 5e IP67 RJ45 Bulkhead Panel Mount Feed-Through Coupler with Dust Cap | 14.95 | 14.65 | 14.05 | CALL |
| WPBHC6 | Shielded Category 6 IP67 RJ45 Bulkhead Panel Mount Feed-Through Coupler with Dust Cap | 16.95 | 16.61 | 15.93 | CALL |

IP67 or IP68 Rated RJ45 Cable Glands

L-com offers a versatile solution for running RJ45 connections into enclosures and panels. The CG series feature EPDM rubber gaskets to keep moisture and dust out of your critical LAN connections. The glands are suitable for wired LAN applications or wireless WiFi installations. Available in unrated, Category 5e, Category 6 or Category 6a versions and an IP67 or IP68 rating when installed properly.

| | | | | | |
|--------|--|------|------|------|------|
| CG-CRJ | IP67 Unrated Unshielded RJ45 Feed-Through Cable Gland with Pigtail | 9.95 | 9.75 | 9.55 | CALL |
| CG-RJ | IP67 Unrated Unshielded RJ45 Feed-Through Cable Gland, One Way Style | 7.72 | 7.57 | 7.41 | CALL |
| CG-DRJ | IP67 Unrated Unshielded RJ45 Feed-Through Cable Gland, Two Way Style | 9.95 | 9.75 | 9.55 | CALL |

| | | | | | |
|-----------|--|-------|-------|-------|------|
| CG-C5E-MF | IP68 Category 5e Shielded RJ45 Feed-Through Cable Gland with Pigtail | 12.95 | 12.56 | 12.17 | CALL |
| CG-C5E-FP | IP68 Category 5e Shielded RJ45 Feed-Through Cable Gland, One Way Style | 10.95 | 10.62 | 10.29 | CALL |
| CG-C5E-FF | IP68 Category 5e Shielded RJ45 Feed-Through Cable Gland, Two Way Style | 11.95 | 11.59 | 11.23 | CALL |

| | | | | | |
|----------|---|-------|-------|-------|------|
| CG-C6-MF | IP68 Category 6 Shielded RJ45 Feed-Through Cable Gland with Pigtail | 16.95 | 16.44 | 15.93 | CALL |
| CG-C6-FP | IP68 Category 6 Shielded RJ45 Feed-Through Cable Gland, One Way Style | 12.95 | 12.56 | 12.17 | CALL |
| CG-C6-FF | IP68 Category 6 Shielded RJ45 Feed-Through Cable Gland, Two Way Style | 15.95 | 15.47 | 14.99 | CALL |

| | | | | | |
|-----------|--|-------|-------|-------|------|
| CG-C6A-MF | IP68 Category 6a Shielded RJ45 Feed-Through Cable Gland with Pigtail | 20.95 | 20.32 | 19.69 | CALL |
| CG-C6A-FP | IP68 Category 6a Shielded RJ45 Feed-Through Cable Gland, One Way Style | 18.95 | 18.38 | 17.81 | CALL |
| CG-C6A-FF | IP68 Category 6a Shielded RJ45 Feed-Through Cable Gland, Two Way Style | 19.95 | 19.35 | 18.75 | CALL |

Ruggedized IP67 Rated RJ45 Ethernet Plug Kit

Installing Ethernet in harsh environments has never been easier. This IP67 rated plug housing is available for use with either shielded or non-shielded connections. A gasket seal keeps out unwanted contaminants and moisture. The optional flexible strain relief controls the bend radius of the cable. Call today to discuss your application with us.

| | | | | | |
|---------|-------------------------|-------|-------|-------|------|
| WT6788D | Non-Shielded Dome Style | 22.79 | 21.87 | 20.96 | CALL |
| WT6788F | Non-Shielded Flex Style | 22.79 | 21.87 | 20.96 | CALL |

| | | | | | |
|----------|---------------------|-------|-------|-------|------|
| WT6788DS | Shielded Dome Style | 26.10 | 25.06 | 24.01 | CALL |
| WT6788FS | Shielded Flex Style | 26.10 | 25.06 | 24.01 | CALL |

| | | | | | |
|------------|---|-------|-------|-------|------|
| TSP4088C5 | Replacement RJ45 Non-Shielded Plugs, Pkg/50 | 31.03 | 28.55 | 26.07 | CALL |
| TSP4088C5S | Replacement RJ45 Shielded Plugs, Pkg/50 | 51.76 | 47.62 | 43.48 | CALL |

Ruggedized IP67 Rated Keystone Flange Adapter Kits

Pass your Ethernet connections through a panel while still maintaining an IP67 rated seal. These receptacle kits consist of an IP67 rated flange adapter and industry standard keystone jacks and couplers. Don't see the combination you need? Call today and we'll help you find the right connection system for your application.

| | | | | | |
|----------|-------------------|-------|-------|-------|------|
| WT6700FM | Front Mount Empty | 20.61 | 19.79 | 18.96 | CALL |
| WT6700RM | Rear Mount Empty | 20.61 | 19.79 | 18.96 | CALL |

| | | | | | |
|-----------|---------------------------------|-------|-------|-------|------|
| WT67KC5FM | Front Mount Category 5e Coupler | 28.28 | 27.15 | 26.02 | CALL |
| WT67KC5RM | Rear Mount Category 5e Coupler | 28.28 | 27.15 | 26.02 | CALL |

| | | | | | |
|------------|--------------------------------------|-------|-------|-------|------|
| WT671105FM | Front Mount Category 5e IDC 110 Jack | 22.79 | 21.87 | 20.96 | CALL |
| WT671105RM | Rear Mount Category 5e IDC 110 Jack | 22.79 | 21.87 | 20.96 | CALL |

Protective Covers for WT67 Series Plugs and Jacks

Maintain the IP67 rating for all open plugs and jacks with these covers. These caps are specifically designed to fit the WT67 series jacks and plugs. When a cable is connected, just attach a cap over the exposed connection and the seal is maintained.

| | | | | | |
|---------|--|-------|-------|-------|------|
| WT67RC | IP67 Jack Cover for Female Receptacles | 7.55 | 7.25 | 6.95 | CALL |
| WT67RCT | IP67 Jack Cover for Female Receptacles with Tether | 15.22 | 14.92 | 14.61 | CALL |

| | | | | | |
|---------|--|-------|-------|-------|------|
| WT67PC | IP67 Jack Cover for Male Plug Kits | 8.69 | 8.35 | 8.00 | CALL |
| WT67PCT | IP67 Jack Cover for Male Plug Kits with Tether | 15.22 | 14.92 | 14.61 | CALL |

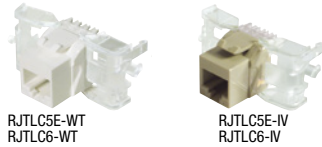
IP67 Panel Mount RJ45 Couplers and Connectors

L-com offers a complete IP67 rated RJ45 connection solution for all your demanding Industrial Ethernet applications. With feed-through couplers, 110 punch-down jacks and plug kits, these robust IP67 RJ45 products are constructed of ABS 94V-0 plastic and feature gaskets to keep dust and moisture out. The IP67 RJ45 panel mount couplers are designed for panels up to a thickness of 2.8mm.

| | | | | | |
|----------------|--|-------|-------|-------|------|
| WPRJ-FTCAT5E | IP67 Panel Mount RJ45 Coupler, Feed-Thru, Shielded | 21.75 | 19.57 | 17.40 | CALL |
| WPRJ-FTRACAT5E | IP67 Panel Mount RJ45 Coupler, Feed-Thru Right Angle, Shielded | 22.79 | 20.51 | 18.23 | CALL |

| | | | | | |
|----------|---|------|------|------|------|
| WPRJ-LSR | IP67 RJ45 Plug Kits with Long Body Strain Relief | 9.73 | 8.76 | 7.78 | CALL |
| WPRJ-SSR | IP67 RJ45 Plug Kits with Short Body Strain Relief | 8.69 | 7.82 | 6.95 | CALL |



RJ10C5E-WT
RJ10C6-WTRJ10C5E-IV
RJ10C6-IVRJ10C5E-BLK
RJ10C6-BLK

RJ10C6A-S

MJS110C5E-WT
MJS110C6-WTMJS110C5E-IV
MJS110C6-IVMJS110C5E-BLK
MJS110C6-BLKMJS110C5E-YL
MJS110C6-YLMJS110C5E-BL
MJS110C6-BLMJS110C5E-RD
MJS110C6-RD

RJ110C6A-S



MJ110C5E-S

ECF110C5E-BLK
ECF110C6-BLKECF110C5E-BL
ECF110C6-BLECF110C5E-WT
ECF110C6-WTECF110C5E-IV
ECF110C6-IVECF110C5E-YL
ECF110C6-YLECF110C5E-S
ECF110C6-SECFRJ10C5E-BLK
ECFRJ10C6-BLKECFRJ10C5E-IV
ECFRJ10C6-IV

ECFRJ10C5E-WT



ECF-SK-25

L-com's Tool-less Jack Series

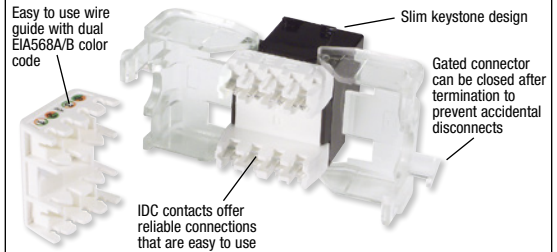
For the best performance with a unique IDC connection that is easy to use and reliable, L-com's tool-less jacks are the answer. This simple wire guide makes it effortless for users to terminate their conductors securely. Each jack is intelligently designed into a compact and efficient body. Jacks are also available with a flanged connector for installation in panels too thick for a standard keystone.

How to terminate a keystone tool-less jack

Online Video

L-com.com/Videos/A26

Tool-less termination speeds installations



| Item # | Description | Color | 1-9 | 10-24 | 25-99 | 100+ |
|--------|-------------|-------|-----|-------|-------|------|
|--------|-------------|-------|-----|-------|-------|------|

Category 5e - Tool-less Keystone Jacks

| | | | | | | |
|-------------|--|-------|------|------|------|------|
| RJ10C5E-WT | Category 5e Tool-less Keystone Jack, RJ45 (8x8) 568A/B | White | 6.17 | 5.55 | 4.93 | CALL |
| RJ10C5E-IV | Category 5e Tool-less Keystone Jack, RJ45 (8x8) 568A/B | Ivory | 5.34 | 4.80 | 4.27 | CALL |
| RJ10C5E-BLK | Category 5e Tool-less Keystone Jack, RJ45 (8x8) 568A/B | Black | 6.17 | 5.55 | 4.93 | CALL |

Category 6 - Tool-less Keystone Jacks

| | | | | | | |
|------------|---|-------|------|------|------|------|
| RJ10C6-WT | Category 6 Tool-less Keystone Jack, RJ45 (8x8) 568A/B | White | 6.37 | 5.74 | 5.10 | CALL |
| RJ10C6-IV | Category 6 Tool-less Keystone Jack, RJ45 (8x8) 568A/B | Ivory | 7.20 | 6.48 | 5.76 | CALL |
| RJ10C6-BLK | Category 6 Tool-less Keystone Jack, RJ45 (8x8) 568A/B | Black | 7.20 | 6.48 | 5.76 | CALL |

Shielded Category 6a - Tool-less Jack

| | | | | | | |
|-----------|---|--------|-------|-------|-------|------|
| RJ10C6A-S | Shielded Category 6a Tool-less Keystone Jack, RJ45 (8x8) 568A/B | Silver | 16.53 | 15.21 | 13.88 | CALL |
|-----------|---|--------|-------|-------|-------|------|

Category 5e, 6 and 6a - 110 Keystone Jacks - 90 Degree Style

L-com's keystone 110 punch down style connectors offer users simple installation via the popular 110 punch down style connecting system. Each jack is color coded for the EIA/TIA568 A and B standards.

| | | | | | | |
|---------------|--|--------|------|------|------|------|
| MJS110C5E-WT | Category 5e Keystone Jack, 110/RJ45 (8x8) 568A/B | White | 3.57 | 3.22 | 2.86 | CALL |
| MJS110C5E-IV | Category 5e Keystone Jack, 110/RJ45 (8x8) 568A/B | Ivory | 3.57 | 3.22 | 2.86 | CALL |
| MJS110C5E-BLK | Category 5e Keystone Jack, 110/RJ45 (8x8) 568A/B | Black | 3.57 | 3.22 | 2.86 | CALL |
| MJS110C5E-YL | Category 5e Keystone Jack, 110/RJ45 (8x8) 568A/B | Yellow | 3.57 | 3.22 | 2.86 | CALL |
| MJS110C5E-BL | Category 5e Keystone Jack, 110/RJ45 (8x8) 568A/B | Blue | 3.57 | 3.22 | 2.86 | CALL |
| MJS110C5E-RD | Category 5e Keystone Jack, 110/RJ45 (8x8) 568A/B | Red | 3.57 | 3.22 | 2.86 | CALL |

| | | | | | | |
|--------------|---|--------|------|------|------|------|
| MJS110C6-WT | Category 6 Keystone Jack, 110/RJ45 (8x8) 568A/B | White | 4.40 | 3.96 | 3.52 | CALL |
| MJS110C6-IV | Category 6 Keystone Jack, 110/RJ45 (8x8) 568A/B | Ivory | 4.40 | 3.96 | 3.52 | CALL |
| MJS110C6-BLK | Category 6 Keystone Jack, 110/RJ45 (8x8) 568A/B | Black | 4.40 | 3.96 | 3.52 | CALL |
| MJS110C6-YL | Category 6 Keystone Jack, 110/RJ45 (8x8) 568A/B | Yellow | 4.40 | 3.96 | 3.52 | CALL |
| MJS110C6-BL | Category 6 Keystone Jack, 110/RJ45 (8x8) 568A/B | Blue | 4.40 | 3.96 | 3.52 | CALL |
| MJS110C6-RD | Category 6 Keystone Jack, 110/RJ45 (8x8) 568A/B | Red | 4.09 | 3.68 | 3.27 | CALL |

Shielded Category 5e, 6 and 6a Jacks

L-com's shielded modular jack offer users a complete solution to EMI/RFI problems. By utilizing fully shielded jacks and connecting hardware, users can reduce the effects of interference on the network data transmissions. These jack feature 110-style punch down connections for fast and easy termination.

| | | | | | | |
|------------|---|--------|-------|-------|-------|------|
| RJ110C6A-S | Shielded Category 6a Keystone Jack, 110/RJ45 (8x8) 568A/B | Silver | 15.49 | 14.25 | 13.01 | CALL |
|------------|---|--------|-------|-------|-------|------|

| | | | | | | |
|------------|---|--------|------|------|------|------|
| MJ110C5E-S | Shielded Cat5e Keystone Jack, 110/RJ45 EIA568A/B | Silver | 6.49 | 5.84 | 5.19 | CALL |
| MJ110C6-S | Shielded Category 6 Keystone Jack, 110/RJ45 EIA568A/B | Silver | 7.69 | 6.92 | 6.15 | CALL |

Category 5e and Category 6 Keystone Jack Kits - 110/RJ45 EIA568A/B

These unique panel mount RJ45 connector kits allow keystone style 110 IDC connectors to be mounted into panels thicker than 0.062" (0.2cm). Packaged as a kit, including the flange, two 4-40 screws, and one RJ45 Cat5e or Cat6 jack.

| | | | | | | |
|---------------|---|--------|------|------|------|------|
| ECF110C5E-BLK | Category 5e Keystone Jack, 110/RJ45 (8x8) 568A/B | Black | 6.74 | 6.60 | 6.33 | CALL |
| ECF110C5E-BL | Category 5e Keystone Jack, 110/RJ45 (8x8) 568A/B | Blue | 6.74 | 6.60 | 6.33 | CALL |
| ECF110C5E-IV | Category 5e Keystone Jack, 110/RJ45 (8x8) 568A/B | Ivory | 6.74 | 6.60 | 6.33 | CALL |
| ECF110C5E-WT | Category 5e Keystone Jack, 110/RJ45 (8x8) 568A/B | White | 6.74 | 6.60 | 6.33 | CALL |
| ECF110C5E-YL | Category 5e Keystone Jack, 110/RJ45 (8x8) 568A/B | Yellow | 6.74 | 6.60 | 6.33 | CALL |
| ECF110C5E-S | Shielded Category 5e Keystone Jack, 110/RJ45 (8x8) 568A/B | Silver | 7.88 | 7.72 | 7.40 | CALL |

| | | | | | | |
|--------------|--|--------|-------|------|------|------|
| ECF110C6-BLK | Category 6 Keystone Jack, 110/RJ45 (8x8) 568A/B | Black | 9.01 | 8.83 | 8.47 | CALL |
| ECF110C6-BL | Category 6 Keystone Jack, 110/RJ45 (8x8) 568A/B | Blue | 9.01 | 8.83 | 8.47 | CALL |
| ECF110C6-IV | Category 6 Keystone Jack, 110/RJ45 (8x8) 568A/B | Ivory | 9.01 | 8.83 | 8.47 | CALL |
| ECF110C6-WT | Category 6 Keystone Jack, 110/RJ45 (8x8) 568A/B | White | 9.01 | 8.83 | 8.47 | CALL |
| ECF110C6-YL | Category 6 Keystone Jack, 110/RJ45 (8x8) 568A/B | Yellow | 9.01 | 8.83 | 8.47 | CALL |
| ECF110C6-S | Shielded Category 6 Keystone Jack, 110/RJ45 (8x8) 568A/B | Silver | 10.15 | 9.95 | 9.55 | CALL |

Category 5e and Category 6 Tool-less Keystone Jack Kits - RJ45 EIA568A/B

The ECFRJ10C series of panel mount RJ45 connector kits allow L-com's tool-less RJ45 keystone connectors to mount into panels thicker than 0.062" (0.2cm). Packaged as a kit, including the flange, two 4-40 screws, and one RJ45 Cat5e or Cat6 jack.

| | | | | | | |
|----------------|--|-------|-------|------|------|------|
| ECFRJ10C5E-BLK | Category 5e Keystone Jack, 110/RJ45 (8x8) 568A/B | Black | 10.21 | 9.19 | 8.17 | CALL |
| ECFRJ10C5E-IV | Category 5e Keystone Jack, 110/RJ45 (8x8) 568A/B | Ivory | 10.21 | 9.19 | 8.17 | CALL |
| ECFRJ10C5E-WT | Category 5e Keystone Jack, 110/RJ45 (8x8) 568A/B | White | 10.21 | 9.19 | 8.17 | CALL |

| | | | | | | |
|---------------|---|-------|-------|-------|------|------|
| ECFRJ10C6-BLK | Category 6 Keystone Jack, 110/RJ45 (8x8) 568A/B | Black | 11.35 | 10.21 | 9.08 | CALL |
| ECFRJ10C6-IV | Category 6 Keystone Jack, 110/RJ45 (8x8) 568A/B | Ivory | 11.35 | 10.21 | 9.08 | CALL |

ECF Keystone Panel Adapters - Pkg/25

L-com now offers convenient bags of 25 of our ECF style flanges for use in patch panel and enclosure designs which require L-com's unique ECF flanges. These rugged flanges are perfect for use with Category 3/5/5e/6/6a keystone couplers.

| | | | | | | |
|-----------|--|--------|-------|-------|-------|------|
| ECF-SK-25 | ECF Keystone Panel Adapter Kit, Pkg/25 | Silver | 31.03 | 28.55 | 26.07 | CALL |
|-----------|--|--------|-------|-------|-------|------|



MWP101K-WT MWP102K-WT



MWP103K-WT MWP104K-WT



MWP101K-IV



MWP102K-IV MWP103K-IV



ECP001 ECP002



MWP401K-WT MWP402K-WT MWP403K-WT



MWP404K-WT Close-up of Shutter Door

Medical Grade

Meets IEC 6060-1
Medical Device Safety Standards



6000691-L

| Item # | Description | Color | 1-9 | 10-24 | 25-99 | 100+ |
|------------|---------------------------------------|-------|------|-------|-------|------|
| MWP101K-WT | Flush Wall Plate for 1 Keystone Jack | White | 1.81 | 1.67 | 1.52 | CALL |
| MWP102K-WT | Flush Wall Plate for 2 Keystone Jacks | White | 1.81 | 1.67 | 1.52 | CALL |
| MWP103K-WT | Flush Wall Plate for 3 Keystone Jacks | White | 1.81 | 1.67 | 1.52 | CALL |
| MWP104K-WT | Flush Wall Plate for 4 Keystone Jacks | White | 1.81 | 1.67 | 1.52 | CALL |
| MWP101K-IV | Flush Wall Plate for 1 Keystone Jack | Ivory | 1.81 | 1.67 | 1.52 | CALL |
| MWP102K-IV | Flush Wall Plate for 2 Keystone Jacks | Ivory | 1.81 | 1.67 | 1.52 | CALL |
| MWP103K-IV | Flush Wall Plate for 3 Keystone Jacks | Ivory | 1.81 | 1.67 | 1.52 | CALL |

Stainless Wall Plates for Usage in High EMI/RFI Environments or Medical Applications

These stainless wall plates offer users a clean finish for information outlets in environments where traditional plastic wall plates are not suitable.

| | | | | | | |
|--------|---|--------|------|------|------|------|
| ECP001 | Stainless Wall Plate for 1 Keystone Jack | Silver | 3.06 | 3.00 | 2.87 | CALL |
| ECP002 | Stainless Wall Plate for 2 Keystone Jacks | Silver | 3.06 | 3.00 | 2.87 | CALL |

Flush Mount Wall Plates with Shutter Doors

For a professional look to any installation select L-com's Keystone wall plates. The flush mount design maintains a low profile with the wall and the integrated shutter door prevents dust/debris from getting into the ports. They are available in a choice of keystone port options for you to configure each workstation outlet for individual needs. We stock large quantities of plates that can accept up to four keystone inserts. Contact us for your next project.

- Flush mount Keystone wall plates with a smooth gloss finish
- Integrated shutter prevents dust and debris from entering the port
- No visible mounting hardware for a clean finished look
- Available with up to 4 Keystone ports
- Contractor quotations welcome for large quantities or custom colors

| | | | | | | |
|------------|---|-------|------|------|------|------|
| MWP401K-WT | Flush Mount Wall Plate for 1 Keystone Jack | White | 3.37 | 3.10 | 2.83 | CALL |
| MWP402K-WT | Flush Mount Wall Plate for 2 Keystone Jacks | White | 3.57 | 3.29 | 3.00 | CALL |
| MWP403K-WT | Flush Mount Wall Plate for 3 Keystone Jacks | White | 3.89 | 3.57 | 3.26 | CALL |
| MWP404K-WT | Flush Mount Wall Plate for 4 Keystone Jacks | White | 4.09 | 3.77 | 3.44 | CALL |

Tip How to easily panel mount a Keystone style connector

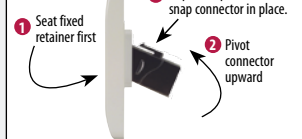
Keystone style refers to the snap-in mounting mechanism that many manufacturers have adopted. It is simple, requires no tools and is easily removable.

STEP 1



L-com's two piece wall plate design hides the screw holes from view to provide a sleek, clean display.

STEP 2



Seat bottom retainer and pivot connector upward while depressing upper retainer.

STEP 3



Slide the dust cover up to connect a cable assembly. The dust cover will slide closed when nothing is connected.

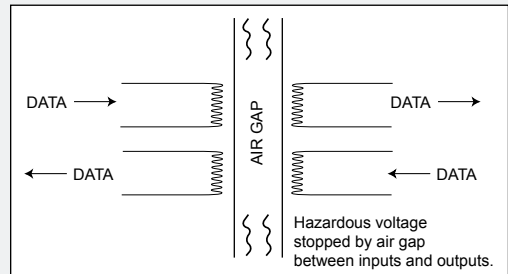
| Item # | Description | Color | List Price |
|-----------|---|--------|------------|
| 6000691-L | 10/100 Base-T Ethernet Data Isolator, Stainless | Silver | 108.79 |

L-com Isolator Wall Plates for 10/100 Ethernet Networks

L-com's Ethernet Isolator wall plates are fully self-contained devices that protect valuable network equipment from damaging surges and power anomalies that commonly occur across network cabling. Operation and installation is quick and easy. Simply plug these devices in-line between the cabling behind the wall and the patch cable that normally attaches the equipment to the network. These isolators are available in Stainless Steel or Ivory High Impact ABS Plastic. Each unit is fully RoHS compliant and has been certified to meet the IEC 6060-1 Medical Device Safety Standard making them ideal for hospital and medical laboratory environments.

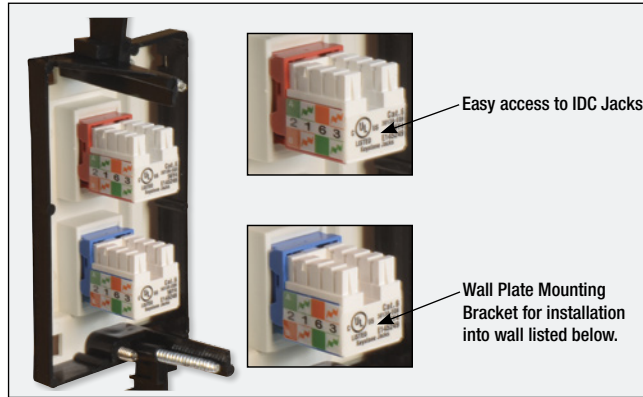
Tip How isolation works

Isolators place a physical barrier between your computer or other device and the network cables that are attached to it. Only data can travel across this barrier through the coupling of magnetic fields. Hazardous voltages and ground potential differences are blocked. Surge suppressors don't electrically separate the connected equipment - they use special components to limit the energy that can travel through a data connection. Isolators eliminate the wire connections that surge suppressors don't.



Decora Style Wall Plate System with Keystone Ports

Combine all your cable connections into L-com's Decora style wall plates. This popular design provides a clean, modern look to cable connections in a finished room. With support for up to three keystone jacks, you can easily combine all your telephone, network, and video connections needs in one Decora plate for a professional, finished appearance. Volume discounts are available; contact us today with your project needs.



| Item # | Description | Color | 1-9 | 10-24 | 25-99 | 100+ |
|--------|-------------|-------|-----|-------|-------|------|
|--------|-------------|-------|-----|-------|-------|------|

Decora Style Wall Plate System with Keystone Ports

| | | | | | | |
|------------|--|-------|------|------|------|------|
| MWP500D-WT | Decora Style Double Gang Wall Plate | White | 2.02 | 1.86 | 1.70 | CALL |
| MWP501-WT | Decora Style Wall Plate Insert with 1 Keystone Port | White | 1.81 | 1.67 | 1.52 | CALL |
| MWP502-WT | Decora Style Wall Plate Insert with 2 Keystone Ports | White | 1.92 | 1.76 | 1.61 | CALL |
| MWP503-WT | Decora Style Wall Plate Insert with 3 Keystone Ports | White | 2.02 | 1.86 | 1.70 | CALL |

Category 5e, 6 and 6a - 110 Keystone Jacks - 90 Degree Style

L-com's keystone 110 punch down style connectors offer users simple installation via the popular 110 punch down style connecting system. Each jack is color coded for the EIA/TIA568 A and B standards.

| | | | | | | |
|---------------|--|--------|------|------|------|------|
| MJS110C5E-WT | Category 5e Keystone Jack, 110/RJ45 (8x8) 568A/B | White | 3.57 | 3.22 | 2.86 | CALL |
| MJS110C5E-IV | Category 5e Keystone Jack, 110/RJ45 (8x8) 568A/B | Ivory | 3.57 | 3.22 | 2.86 | CALL |
| MJS110C5E-BLK | Category 5e Keystone Jack, 110/RJ45 (8x8) 568A/B | Black | 3.57 | 3.22 | 2.86 | CALL |
| MJS110C5E-YL | Category 5e Keystone Jack, 110/RJ45 (8x8) 568A/B | Yellow | 3.57 | 3.22 | 2.86 | CALL |
| MJS110C5E-BL | Category 5e Keystone Jack, 110/RJ45 (8x8) 568A/B | Blue | 3.57 | 3.22 | 2.86 | CALL |
| MJS110C5E-RED | Category 5e Keystone Jack, 110/RJ45 (8x8) 568A/B | Red | 3.57 | 3.22 | 2.86 | CALL |

| | | | | | | |
|--------------|---|--------|------|------|------|------|
| MJS110C6-WT | Category 6 Keystone Jack, 110/RJ45 (8x8) 568A/B | White | 4.40 | 3.96 | 3.52 | CALL |
| MJS110C6-IV | Category 6 Keystone Jack, 110/RJ45 (8x8) 568A/B | Ivory | 4.40 | 3.96 | 3.52 | CALL |
| MJS110C6-BLK | Category 6 Keystone Jack, 110/RJ45 (8x8) 568A/B | Black | 4.40 | 3.96 | 3.52 | CALL |
| MJS110C6-YL | Category 6 Keystone Jack, 110/RJ45 (8x8) 568A/B | Yellow | 4.40 | 3.96 | 3.52 | CALL |
| MJS110C6-BL | Category 6 Keystone Jack, 110/RJ45 (8x8) 568A/B | Blue | 4.40 | 3.96 | 3.52 | CALL |
| MJS110C6-RED | Category 6 Keystone Jack, 110/RJ45 (8x8) 568A/B | Red | 4.09 | 3.68 | 3.27 | CALL |

Wall Plate Mounting Bracket for Class 2 Wiring

The wall plate mounting bracket is an excellent aid for electricians and cable installers to mount single gang wall plates at any convenient wallboard location. There is no need for traditional metal boxes which inhibit the installation of coaxial and data cables. Furthermore, users can make use of the complete wall cavity to hold excess cable and avoid sharp bends. These brackets have universally spaced threaded holes to accept any standard single or double gang wall plate. It's simple to install, just start by making a 2.125"W x 3.625"H (5.4cm x 9.2cm, single gang) or 3.875"W x 3.625"H (9.8cm x 9.2cm, double gang) rectangular hole and then tighten the built-in mounting screws. Large quantity pricing for installation contractors is available upon request.

| | | | | | |
|-------|---|------|------|------|------|
| WPMB1 | Wall Plate Mounting Bracket for Class 2 Wiring, Single Gang | 3.06 | 2.81 | 2.57 | CALL |
| WPMB2 | Wall Plate Mounting Bracket for Class 2 Wiring, Double Gang | 4.09 | 3.77 | 3.44 | CALL |

Shielded Category 5e and 6 Surface Mount Boxes

L-com's Shielded Modular Surface Mount Boxes offer users a complete solution to EMI/RFI problems. By utilizing fully shielded jacks and connecting hardware, users can reduce the effects of interference on the network data transmissions. All jacks feature 110-style punch down connections for fast and easy termination. Surface mount boxes come pre-installed with shielded jacks.

| | | | | | |
|--------------|---|-------|-------|-------|------|
| SMB110C5ES-S | Shielded Category 5e Surface Mount Jack with 1 RJ45 (8x8) 568A/B | 8.24 | 7.58 | 6.92 | CALL |
| SMB110C6S-S | Shielded Category 6 Surface Mount Jack with 1 RJ45 (8x8) 568A/B | 10.31 | 9.49 | 8.66 | CALL |
| SMD110C5ED-S | Shielded Category 5e Surface Mount Jack with 2 RJ45s (8x8) 568A/B | 12.38 | 11.39 | 10.40 | CALL |

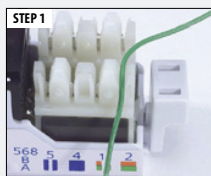
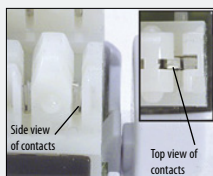
Surface Mount Boxes for Keystone Jacks

These one and two port surface mount boxes can accept standard keystone insert options. These boxes feature a location for icon inserts to identify each port for the connection type.

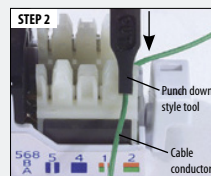
| | | | | | | |
|-----------|---|-------|------|------|------|------|
| SMB01K-WT | Surface Mount Box for 1 Keystone Insert | White | 2.02 | 1.86 | 1.70 | CALL |
| SMB01K-IV | Surface Mount Box for 1 Keystone Insert | Ivory | 2.02 | 1.86 | 1.70 | CALL |



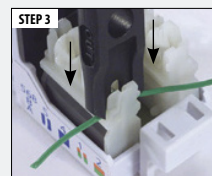
Tip How does a 110 IDC contact work?



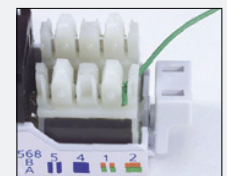
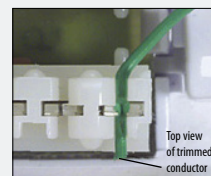
Place the solid or stranded conductor between the two contacts.



Punch the conductor down into place using a 110 style tool. You can use part #H351.



As you continue to push the tool down, the IDC contacts cut through the conductor jacket and touch the copper conductor. After the tool is released, you will see that the excess conductor is severed.



The conductor is now pushed down tightly between the IDC contacts.



DCWM110C5E-12



DCWM110C6-12



DCP110C5E-24



DCP110C5E-48



DCP110C6-24



DCP110C6-48



MRP110C6-48



DCPT100BT24



DCP110C5E-24S



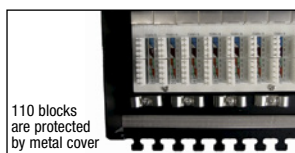
DCP110C5E-48S



DCP110C6-24S



DCP110C6-48S



110 blocks are protected by metal cover

| Item # | Description | 1-9 | 10-24 | 25-99 | 100+ |
|--------|-------------|-----|-------|-------|------|
|--------|-------------|-----|-------|-------|------|

110 Style Accessories - The Most Popular Way to Achieve Category 5e and 6 Performance

The 110 connect system is a high performance means of terminating UTP wiring and it is currently the most popular choice in installations. This system utilizes wiring blocks, connecting blocks, patch panels, 24 AWG UTP cabling and patch cords.

Most 110 style wiring blocks come pre-configured to a number of RJ45 ports, allowing easy patching with RJ45-RJ45 data grade patch cords. L-com offers a variety of common 110 style components. Other styles and configurations can be supplied on a custom basis; call our Technical Support Department for assistance.

Category 5e Wall Mount 12 Port Patch Panel

The Category 5e wall mount 12 port patch panel offers users an economical way to terminate smaller groups of connections without the need to install a rack system. Each block features industry standard 110 style connections and write-on surfaces for port identification. These panels are universally marked for EIA568A and EIA568B color codes.

| | | | | | |
|---------------|--|-------|-------|-------|------|
| DCWM110C5E-12 | Category 5e Patch Panel, 12 Port EIA568A/B | 49.74 | 45.76 | 41.78 | CALL |
|---------------|--|-------|-------|-------|------|

Category 6 Wall Mount 12 Port Patch Panel

The Category 6 wall mount 12 port patch panel offers users high performance in a small package. Users can terminate Category 6 cabling without the need to install a rack system. Each block features industry standard 110 style connections and write-on surfaces for port identification. These panels are universally marked for EIA568A and EIA568B color codes.

| | | | | | |
|--------------|---|-------|-------|-------|------|
| DCWM110C6-12 | Category 6 Patch Panel, 12 Port EIA568A/B | 55.95 | 51.48 | 47.00 | CALL |
|--------------|---|-------|-------|-------|------|

Category 5e 19" (48.3cm) Rack Mount Patch Panel - 24 and 48 Port

L-com's Category 5e 19" (48.3cm) rack mount patch panels come pre-configured in 24 and 48 port versions. These panels feature industry standard 110 punch-down style termination for quick installation. Users can identify ports by either writing directly on the screened in label surfaces or using a regular label printer to create labels. Each port is EIA568A/B color encoded for compatibility with all types of network jacks and cabling.

| | | | | | |
|--------------|--|--------|--------|--------|------|
| DCP110C5E-24 | Category 5e Patch Panel, 24 Port EIA568A/B | 110.87 | 102.00 | 93.13 | CALL |
| DCP110C5E-48 | Category 5e Patch Panel, 48 Port EIA568A/B | 245.58 | 225.93 | 206.29 | CALL |

Category 6 19" (48.3cm) Rack Mount Patch Panel - 24 and 48 Port

For enhanced performance users can choose L-com's Category 6 rack mount patch panels. These panels feature Category 6 performance for today's high-speed network installations. Installers will find easy to use 110 style punch down terminals for quick installation. Each port is EIA568A/B color encoded for compatibility with all types of network jacks and cabling.

| | | | | | |
|-------------|---|--------|--------|--------|------|
| DCP110C6-24 | Category 6 Patch Panel, 24 Port EIA568A/B | 170.97 | 157.30 | 143.62 | CALL |
| DCP110C6-48 | Category 6 Patch Panel, 48 Port EIA568A/B | 281.85 | 259.30 | 236.75 | CALL |

| | | | | | |
|-------------|--|--------|--------|--------|------|
| MRP110C6-48 | Category 6 Patch Panel, 48 Port EIA568A/B (Write-on Surface for Port ID) | 227.96 | 209.73 | 191.49 | CALL |
|-------------|--|--------|--------|--------|------|

100Base-T, Category 5 Telco Patch Panels - 24 Port

These low profile, high density Telco patch panels provide the ability to connect up to 24 Cat5 Ethernet patch cords to four 25 pair Telco style interface connectors, while maintaining Category 5 100 Base-T performance throughout the cabling system.

| | | | | | |
|-------------|---|--------|--------|-------|------|
| DCPT100BT24 | Category 5 Patch Panel 1U High, 24 Port Telco | 113.98 | 104.86 | 95.74 | CALL |
|-------------|---|--------|--------|-------|------|

24/48 Port Category 5e/6 Shielded 19" (48.3cm) Patch Panel - Industrial Grade

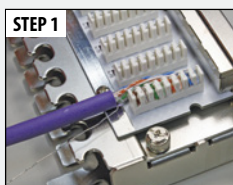
These Category 5e/6 rack panels are fully shielded for use in areas with high levels of noise and EMI. Commonly used in industrial environments the panels are made using heavy gauge sheet metal that fully encloses over the circuit board and cable terminations for ultimate shielding. Permanent connections are made to 110 style IDC contacts and patching is made through shielded RJ45 (8x8) modular connectors. These panels mount into standard 19" (48.3cm) racks and take 1U of rack height 1.75" (4.4cm). Compatible with EIA568A or B wiring schemes. 18 AWG grounding wire included.

| | | | | | |
|---------------|---|--------|--------|--------|------|
| DCP110C5E-24S | Category 5e Patch Panel, 24 Port Shielded EIA568A/B | 169.94 | 156.34 | 142.75 | CALL |
| DCP110C5E-48S | Category 5e Patch Panel, 48 Port Shielded EIA568A/B | 290.14 | 266.93 | 243.71 | CALL |

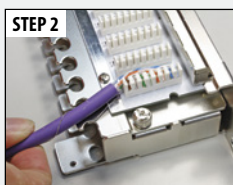
| | | | | | |
|--------------|--|--------|--------|--------|------|
| DCP110C6-24S | Category 6 Patch Panel, 24 Port Shielded EIA568A/B | 224.86 | 206.87 | 188.88 | CALL |
| DCP110C6-48S | Category 6 Patch Panel, 48 Port Shielded EIA568A/B | 327.44 | 301.24 | 275.05 | CALL |

Tip How to terminate a cable drain wire

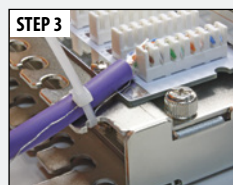
Termination of drain wire for each cable assembly that you wish to punch down to the panel.



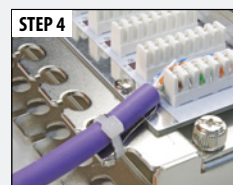
Punch down your conductors onto the block to either the EIA/TIA 568A or 568B standard and make sure to keep the drain wire long enough for the next steps.



Wrap the Drain wire around the cable management holder (see image) and then around the jacket of the cable.



Using the included cable ties secure the cable and drain wire to the cable management holder. (repeat for each port)



Cut off any excess from the cable tie.

| Item # | Description | 1-9 | 10-24 | 25-99 | 100+ |
|--------|-------------|-----|-------|-------|------|
|--------|-------------|-----|-------|-------|------|

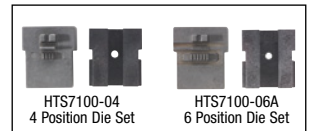
Tela-Crimp Tool Provides High Level of Versatility and Termination Reliability

The ultimate design based on many years experience, this new model produces a perfect crimp every time and is offered at an affordable price. Dies need to be purchased separately. The following features should be noted:

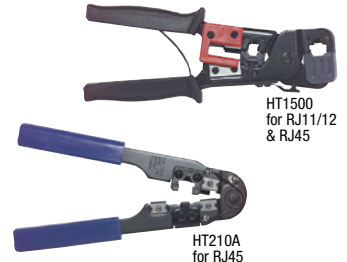
- Full cycle ratchet action assures consistent terminations.
- A release lever is provided to prevent faulty crimps.
- The compound action produces high crimping forces with minimal user effort.
- A replaceable cutter and stripper are conveniently placed offering two strip lengths per industry standards.
- All dies are interchangeable and guarantee perfect alignment.
- The modular plug nests accept most configurations available within the industry today.
- Spring activated handles have cushion grips to minimize user fatigue.
- Tools are conservatively rated for 50,000 crimps.

| | | | | | |
|--|--|-------|-------|-------|------|
| HTS7100 | Crimp Tool Only, accepts any HTS7100 Die Set | 72.48 | 71.03 | 69.58 | CALL |
| HTS7100-04 | 4 Position Die Set with Primary & Secondary Strain Relief for RJ22 Handset Plugs | 31.03 | 30.41 | 29.79 | CALL |
| Note: This die is equipped with a secondary strain relief. For use with Stewart and generic plugs only. May damage other vendor's plugs. | | | | | |
| HTS7100-06A | 6 Position Die Set without Secondary Strain Relief, for all RJ11 & RJ12 Plugs | 31.03 | 30.41 | 29.79 | CALL |
| HTS7100-08A | 8 Position Die Set without Secondary Strain Relief, for all RJ45 Plugs | 31.03 | 30.41 | 29.79 | CALL |
| HTS7100-10 | 10 Position Die Set without Secondary Strain Relief | 35.18 | 34.48 | 33.77 | CALL |

HTS7100
Frame Only



HTS501



HT1500
for RJ11/12
& RJ45

HT210A
for RJ45



HT2096
for RJ11/12

HT2094C
for Handset



HTS2700

HTS9000
for RJ50



TCPT110

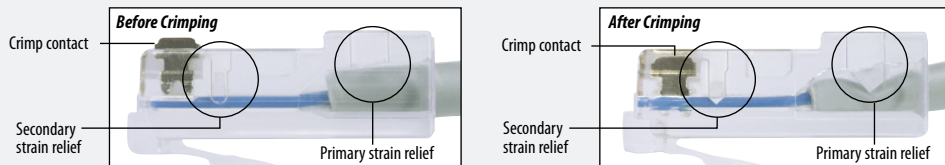
TCPT2



TCK68MOD

Tip What is a primary and secondary strain relief?

The three main points of contact within any plug are the crimp contact, primary strain relief and secondary strain relief. Compatibility issues exist between various plug and tool designs with respect to the secondary strain relief. If the plug and tool are slightly misaligned due to incompatibility, bad crimps end up crushing the plug. The plugs and tools listed have been carefully chosen to minimize compatibility problems.



UTP/STP Cable Stripper for Round or Flat Cable

This handy cable stripping tool is a great addition to any cable installer's tool belt. Featuring an adjustable blade for all sizes of UTP, STP, and flat silver satin cabling, this tool allows users to consistently remove the cable jacket without damaging the internal conductors. The cable stripper also features a built in cable cutter.

| | | | | | |
|--------|--|-------|-------|-------|------|
| HTS501 | Modular Cable Stripper for UTP/STP Round or Flat Cable | 13.42 | 13.15 | 12.88 | CALL |
|--------|--|-------|-------|-------|------|

Heavy Duty Two-in-One Tool - Strip and Crimp RJ11/12 and RJ45 Modular Cables

Finally a quality tool at a reasonable price. This two-in-one tool features a straight-line-parallel operation of the die set for precision crimping each and every time. Tool has two sets of dies to accept a 2, 4 or 6 position RJ11/12 and more important the RJ45 (8x8), either keyed or non-keyed. Equipped with a built-in wire stripper. All steel construction with plastic handle grips for overall comfort.

| | | | | | |
|--------|-------------------------------|-------|-------|-------|------|
| HT1500 | Two-in-One Modular Crimp Tool | 51.76 | 50.72 | 49.69 | CALL |
|--------|-------------------------------|-------|-------|-------|------|

Medium Service Hand Tools - Cut, Strip and Crimp Modular Plugs to Flat Cable

Durable modular crimp tools with carbon steel dies and all steel construction to withstand frequent use. Three tool types satisfy the requirements of crimping 4x4 handset, RJ11, RJ12, and RJ45 modular plugs. The HT210A accepts RJ45 plugs either with or without key.

| | | | | | |
|---------|--|-------|-------|-------|------|
| HT210A | Modular Crimp Tool Kit for RJ45 Plugs | 30.00 | 29.40 | 28.80 | CALL |
| HT2096 | Modular Crimp Tool for RJ11 and RJ12 Plugs | 25.85 | 25.34 | 24.82 | CALL |
| HT2094C | Modular Crimp Tool for 4x4 Handset Plugs | 23.78 | 23.31 | 22.83 | CALL |

HTS2700 RJ45 (8P8C) Crimp, Cutter and Stripper Tool

L-com's HTS2700 RJ45 (8P8C) crimp tool combines a cable cutter and stripper to provide installers with the perfect tool for terminating L-com's unique TDS series RJ45 (8P8C) Ethernet connectors. An integrated crimp section allows proper termination of the shielded strain relief on our TDS series RJ45 connectors. Its compact design fits easily in your tool bag and eliminates the need to carry multiple tools for one job.

| | | | | | |
|---------|------------|-------|-------|-------|------|
| HTS2700 | Crimp Tool | 59.95 | 58.75 | 57.55 | CALL |
|---------|------------|-------|-------|-------|------|

10P10C (RJ50) Crimp Tool with Cut and Strip Function

The HTS9000 not only crimps 10P10C style connectors but it also cuts and strips your cable for complete cable preparation. This rugged tool is constructed of carbon steel and features a cushioned grip handle. This crimp tool can be used with L-com's TDR10P10C and TDR10P10CS-L, 10 position RJ50 plugs.

| | | | | | |
|---------|----------------------------------|-------|-------|-------|------|
| HTS9000 | Crimp Tool for 10P10C RJ50 Plugs | 51.76 | 50.72 | 49.69 | CALL |
|---------|----------------------------------|-------|-------|-------|------|

Cable Prep Tools - Fast, Easy Stripping of UTP or Data Cable Jacket Covers

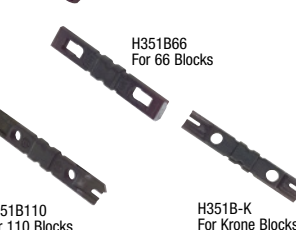
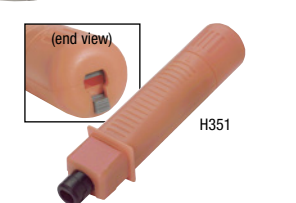
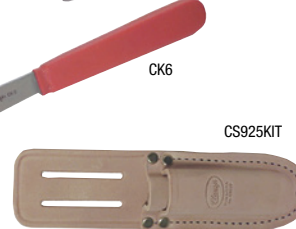
These are the simplest tools we've ever seen for removing the jacket from round, unshielded or shielded twisted pair cable. The TCPT2 tool is intended for removing the jacket on UTP cable only. The second tool, the TCPT110, also incorporates a 110 blade for punching 110 blocks. Just insert the cable into the tool, twist/turn a couple of times and pull off the jacket slug. Simple and yet inexpensive enough to have a few on hand.

| | | | | | |
|---------|--|------|------|------|------|
| TCPT2 | UTP Round Cable Jacket Stripper | 7.20 | 7.06 | 6.91 | CALL |
| TCPT110 | UTP Round Cable Jacket Stripper with 110 Punch | 8.24 | 8.07 | 7.91 | CALL |

Heavy Duty Modular Crimp Tool Kit Includes RJ45 and RJ11/12 Plugs

This tool kit includes 1 HT1500 crimping tool for RJ45 and RJ11/12 plugs, 20 RJ11/12 plugs for flat cable, 20 RJ11/12 plugs for round cable, 20 RJ45 plugs for flat cable, 20 RJ45 plugs for round cable and a four compartment case.

| | | | | | |
|----------|---|-------|-------|-------|------|
| TCK68MOD | RJ45 and RJ12 Crimp Tool Kit with Plugs | 62.12 | 60.88 | 59.64 | CALL |
|----------|---|-------|-------|-------|------|



| Item # | Description | 1-9 | 10-24 | 25-99 | 100+ |
|--|---|-------|-------|-------|------|
| Protective Covers for Plugs and Jacks - Protect Unused Ports and Cables from Contact Damage | | | | | |
| These covers are perfect for protecting unused ports in wall plates and expensive equipment from physical damage, dirt and grime. Made from flexible PVC, these covers attach easily and stay in place with a snug friction fit. | | | | | |
| MP45P | RJ45 Protective Covers for Plugs, Pkg/100 | 17.56 | 17.21 | 16.86 | CALL |
| MP45J | RJ45 Protective Covers for Jacks, Pkg/100 | 17.56 | 17.21 | 16.86 | CALL |

DSL Line Conditioner - Filters Noise for Better Performance

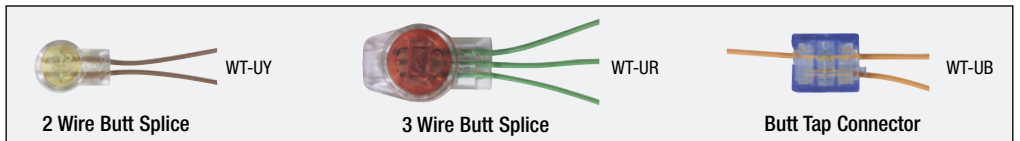
This DSL Line Conditioner filters out unwanted noise by using 2 pole low pass filters. Inline plug/jack configuration. Color: Ivory. Specifications: REN 0.2B; DC Resistance Through T&R to Phone: 10 Ohms; Loading Capacity: 47nF; Attenuation Distortion ± 1 dB max.; 3 dB Cutoff Point.

| | | | | | |
|------------|--|------|------|------|------|
| S900LC50-I | Inline DSL Conditioner, RJ12 (6x6) Male/Female | 8.24 | 7.99 | 7.74 | CALL |
|------------|--|------|------|------|------|

Wire Tap and Butt Splice - Gel Filled IDC Connectors

These handy IDC connectors make wire splicing a snap. Gel filled IDC contact area provides a moisture resistant barrier for reliable connections. Usable with 19-26 AWG copper wire with a .066" (0.2cm) maximum insulation diameter (.060 max. for WT-UY). Sold in 100 piece packs.

| | | | | | |
|-------|---|-------|-------|-------|------|
| WT-UY | UY Butt Splice 2 Wire Connector, Gel Filled, Pkg/100 | 14.08 | 13.52 | 12.96 | CALL |
| WT-UR | UR Butt Splice, 3 Wire Connector, Gel Filled, Pkg/100 | 14.08 | 13.52 | 12.96 | CALL |
| WT-UB | UB Butt Tap Connector, Gel Filled, Pkg/100 | 14.08 | 13.52 | 12.96 | CALL |



110 Wiring Block Field Termination Kits - Everything Necessary to Wire a 110 Block

Wiring blocks are the main instrument in setting up horizontal wiring in a 110 style connector system. Each kit contains one 100 pair wiring block with detachable legs, label holders with designation labels and sufficient connecting blocks. Each kit includes five four pair and one five pair connecting block per 25 pair termination strip. Designation strips are mounted to the wiring block addressing each cable termination.

| | | | | | |
|-----------|---|-------|-------|-------|------|
| S110K-4PR | 100 Pair Wiring Block Kit with 4 Pair Connecting Blocks | 46.58 | 45.65 | 44.71 | CALL |
|-----------|---|-------|-------|-------|------|

50 Pair 66 Style Category 5 Block

This 66 style 50 pair block has been designed to meet Category 5 requirements as specified by the EIA/TIA. Ease of use and low cost has made this style of block one of the most popular termination methods. Improved design now permits use in data applications up to 100 Mbps. Included are 100 quick connect bridging clips and a clear protective cover. 66 type tool required for termination.

| | | | | | |
|--------------|---|-------|-------|-------|------|
| S66M1-50-C5 | 50 Pair 66 Style Block, Category 5 Rated | 20.67 | 20.26 | 19.85 | CALL |
| C1127-A1-100 | Bridging Clips for 66 Style Blocks, Pkg/100 | 13.42 | 13.15 | 12.88 | CALL |

Professional Grade Cable Splicer Knife, Scissor and Kit

These tools are a great addition to any cable technicians tool kit. The CS925 is an industrial grade serrated scissor capable of cutting thin wires and cable jacketing. This tool also has wire stripping notches on one blade as well as a scraper and file on the back of the other. The CK6 is a forged steel splicer knife with red cushioned handle. It comes in handy whenever a sharp blade is necessary. The CS925KIT offers both tools plus a heavy duty leather holder that will keep the knife and scissor secured to a tool belt.

| | | | | | |
|----------|--------------------------------|-------|-------|-------|------|
| CS925 | Cable Splicer Serrated Scissor | 17.56 | 17.21 | 16.86 | CALL |
| CK6 | Cable Splicer Knife | 11.35 | 11.12 | 10.89 | CALL |
| CS925KIT | Knife and Scissor with Holder | 35.18 | 34.48 | 33.77 | CALL |

Parallel Action Pliers - Use for Compressing IDC Body to Jack

These parallel action pliers are great for crimping wire taps and butt splices. The jaws of the tool work close in parallel providing a better crimp than regular pliers.

| | | | | | |
|--------|------------------------|-------|-------|-------|------|
| HT1008 | Parallel Action Pliers | 41.40 | 40.57 | 39.74 | CALL |
|--------|------------------------|-------|-------|-------|------|

Premium Auto Impact Tool - Our Best Model, Features an Adjustable Spring Load

Now installers can make effortless, uniform connections with L-com's premium auto impact tool. Set tool for high or low impact with a variable impact pressure control that will provide the right amount of force. Blades are easily reversible, one end terminates only while the other terminates and cuts. This model features a hidden storage compartment which opens to fit an extra blade. Accepts blades for 66, 110 and Krone use. This tool comes without blades, order separately.

| | | | | | |
|------|--|-------|-------|-------|------|
| H351 | Premium Impact Tool Body Only, Without Blade | 40.36 | 39.55 | 38.75 | CALL |
|------|--|-------|-------|-------|------|

Reversible Blades - Fit H351 Series Tool

| | | | | | |
|----------|--|-------|-------|------|------|
| H351B66 | Impact Blade, Reversible for 66 Terminals | 10.31 | 10.10 | 9.90 | CALL |
| H351B110 | Impact Blade, Reversible for 110 Terminals | 10.31 | 10.10 | 9.90 | CALL |
| H351B-K | Impact Blade, Reversible for Krone Terminals | 10.31 | 10.10 | 9.90 | CALL |

Note: Mixing of blades is allowed for quantity pricing

| Item # | Description | Code | 1-9 | 10-24 | 25-99 | 100+ |
|--------|-------------|------|-----|-------|-------|------|
|--------|-------------|------|-----|-------|-------|------|

The Ultimate in Modular Telco Plugs, Made in the USA, Comply with Industry Standards

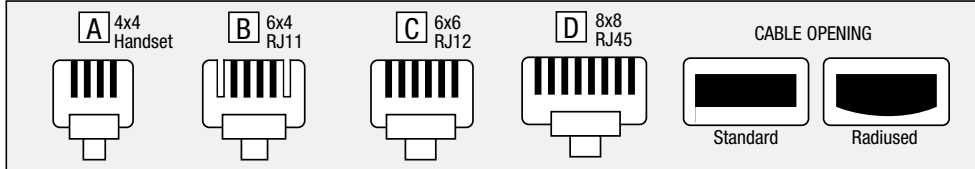
L-com offers Stewart modular plugs featuring mirror smooth contact surfaces for extended mating life. Lowest contact resistance and high reliability. Pre-inserted selectively gold plated contacts are ready for mass termination on most industry compatible crimping machines and hand tools. Fully complies with FCC & telephone industry standards for size and performance. Choice of plugs for flat modular or round UTP cable. Plugs accept 24-28 AWG stranded or solid conductors. Sold only in packages of 100 plugs.

Modular Plugs for Flat Cable - With Standard Rectangular Cable Entrance

| | | | | | | |
|---------|---------------------------------------|---|-------|-------|-------|------|
| TSP3044 | Modular Plugs, Handset (4x4), Pkg/100 | A | 31.03 | 28.55 | 26.07 | CALL |
| TSP3046 | Modular Plugs, RJ11 (6x4), Pkg/100 | B | 31.03 | 28.55 | 26.07 | CALL |
| TSP3066 | Modular Plugs, RJ12 (6x6), Pkg/100 | C | 36.22 | 33.32 | 30.42 | CALL |
| TSP3088 | Modular Plugs, RJ45 (8x8), Pkg/100 | D | 51.76 | 47.62 | 43.48 | CALL |

Modular Plugs for Round Twisted Pair Cable - With Radiused Cable Entrance

| | | | | | | |
|----------|------------------------------------|---|-------|-------|-------|------|
| TSP3046R | Modular Plugs, RJ11 (6x4), Pkg/100 | B | 31.03 | 28.55 | 26.07 | CALL |
| TSP3066R | Modular Plugs, RJ12 (6x6), Pkg/100 | C | 36.22 | 33.32 | 30.42 | CALL |
| TSP3088R | Modular Plugs, RJ45 (8x8), Pkg/100 | D | 51.76 | 47.62 | 43.48 | CALL |



Shielded Modular Plugs for Round Twisted Pair Cable - With Radiused Cable Entrance

| | | | | | |
|--------------|--------------------------------------|-------|-------|-------|------|
| TD6P6CSR-L | Modular Plugs, RJ12 (6x6), Pkg/50 | 41.40 | 40.57 | 38.91 | CALL |
| TDR10P10CS-L | Modular Plugs, RJ50 (10x10), Pkg/100 | 72.48 | 69.58 | 66.68 | CALL |

Stranded Conductor Modular Plugs - Rectangular Entry for Flat Cable

A full complement of modular plugs is offered for all applications. Piercing-type connections are simultaneously made through each stranded conductor of 24-28 AWG flat modular cable. 15 microinches (0.381µm) gold plating on contacts. Sold in packages of 100 plugs.

| | | | | | |
|----------|--|-------|-------|-------|------|
| TD4P4HS | Modular Plugs, Handset (4x4), Pkg/100 | 20.67 | 19.02 | 17.36 | CALL |
| TD6P4C | Modular Plugs, RJ11 (6x4), Pkg/100 | 20.67 | 19.02 | 17.36 | CALL |
| TD6P6C | Modular Plugs, RJ12 (6x6), Pkg/100 | 25.85 | 23.78 | 21.72 | CALL |
| TD6P6MMJ | Modular Plugs, MMJ (6x6), Pkg/100 | 36.22 | 33.32 | 30.42 | CALL |
| TD8P8C | Modular Plugs, RJ45 (8x8), Pkg/100 | 41.40 | 38.08 | 34.77 | CALL |
| TD8P8CK | Modular Plugs, RJ45 (8x8) (Keyed), Pkg/100 | 41.40 | 38.08 | 34.77 | CALL |

Stranded Conductor Modular Plugs - Radiused Entry for Round or Flat Cable

These modular plugs have a radiused rear entry compatible with most round and flat cables. 50 microinches gold plating on contacts. Compatible with 24-28 AWG stranded conductors.

| | | | | | |
|-----------|--------------------------------------|-------|-------|-------|------|
| TDR6P4C | Modular Plugs, RJ11 (6x4), Pkg/100 | 20.67 | 19.02 | 17.36 | CALL |
| TDR6P6C | Modular Plugs, RJ12 (6x6), Pkg/100 | 25.85 | 23.78 | 21.72 | CALL |
| TDR8P8C | Modular Plugs, RJ45 (8x8), Pkg/100 | 41.40 | 38.08 | 34.77 | CALL |
| TDR10P10C | Modular Plugs, RJ50 (10x10), Pkg/100 | 51.76 | 47.62 | 43.48 | CALL |

High Performance Category 5/5e and Category 6 Staggered Alignment Plugs

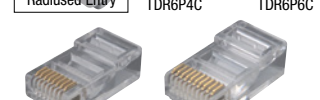
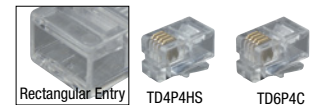
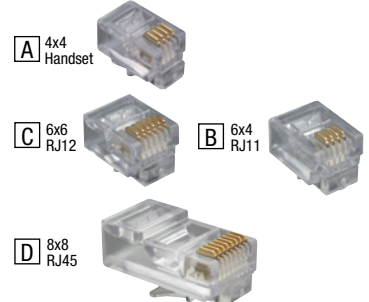
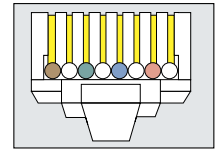
Stewart's staggered-pin Category 5/5e and Category 6 rated RJ45 crimp plugs are designed for today's high performance networks. A superior two-prong contact design works for both solid and stranded conductors. The multi-level contact design helps improve performance. The shielded version protects against EMI/RFI interference and maintains proper ground connection. Sold in packages of 50 plugs.

| | | | | | |
|------------|---|-------|-------|-------|------|
| TSP4288C6 | Modular Plugs, RJ45(8x8) Category 6, Pkg/50 | 51.76 | 47.62 | 43.48 | CALL |
| TSP4088C5 | Modular Plugs, RJ45(8x8) Category 5/5e, Pkg/50 | 31.03 | 28.55 | 26.07 | CALL |
| TSP4088C5S | Modular Plugs, RJ45(8x8) Category 5/5e Shielded, Pkg/50 | 51.76 | 47.62 | 43.48 | CALL |

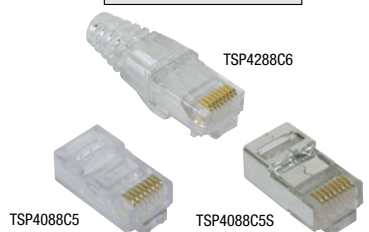
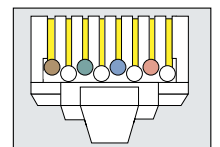


- FCC compliant, Part 68; Doc. 47, Sub F.
- UL component recognized, File E132408(N)-DUXR2.
- Certified Canadian Standards Assn., File 67725.

Standard Alignment

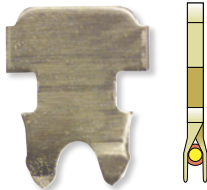


Staggered Alignment



Tip What is the difference between stranded and solid contact design?

Solid or Stranded



Two point staggered for solid or stranded. The contact prongs straddle the conductor.

Stranded Only

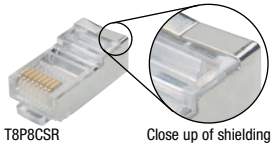


Piercing type for stranded. Jagged end pierces jacket and embeds into the strands of the conductor.

Solid or Stranded

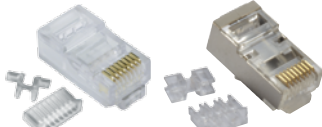


Tripoint type for solid or stranded. Long contact prongs spread apart to accept conductor.



T8P8CSR

Close up of shielding

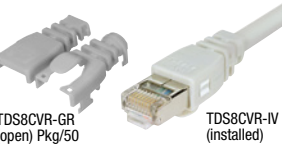


TSP8028C6

TSP8028C6A

Best SellerTDS8PC5
Pkg/50

TSP8048C5S

TDS8CVR-GR
(open) Pkg/50TDS8CVR-IV
(installed)TDS8CVR-BK
Pkg/50TDS8CVR-BL
Pkg/50TDS8CVR-WH
Pkg/50TDS8CVR-YL
Pkg/50TDS8CVR-RD
Pkg/50TDS8CVR-GN
Pkg/50

MPC45D45-BLK



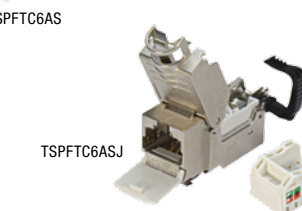
TSP8048C6AS



HT1500



HTS8200



TSPFTC6AS

TSPFTC6ASJ

| Item # | Description | 1-9 | 10-24 | 25-99 | 100+ |
|---------|---|------|-------|-------|------|
| T8P8CSR | Shielded Modular Plug, RJ45 (8x8), Single | 0.98 | 0.91 | 0.83 | CALL |

Slim-line Plugs

Slim-line plugs are designed to be used with L-com's slimline bulk cables or similar 28AWG Ethernet cable.

| | | | | | |
|------------|--|-------|-------|-------|------|
| TSP8028C6 | Unshielded C6 Slim-line 28AWG Modular Plug, RJ45 (8x8), Pkg/50 | 19.95 | 18.35 | 16.76 | CALL |
| TSP8028C6A | Shielded C6a Slim-line 28AWG Modular Plug, RJ45 (8x8), Pkg/50 | 29.95 | 27.55 | 25.16 | CALL |

Shielded Category 5e and Category 6 RJ45 Plugs for Solid or Stranded Cables

These superior high performance shielded plugs allow users to perform factory grade terminations in the field. A unique metallic strain relief provides superior cable retention and a reliable 360° shielding contact. The short body design combined with a loading bar allows easy insertion while maintaining Category 5e or Category 6 twist requirements. Superior two-point contact design is compatible with solid and stranded cable. See L-com.com for complete listing of sizes and colors.

| | | | | | |
|------------|---|-------|-------|-------|------|
| TDS8PC5 | Category 5e Shielded Modular Plug, RJ45 (8x8), Pkg/50 | 67.30 | 64.61 | 61.92 | CALL |
| TDS8PC6 | Category 6 Shielded Modular Plug, RJ45 (8x8), Pkg/50 | 72.48 | 69.58 | 66.68 | CALL |
| TDS8CVR-GR | 8x8 Shielded Snap-on Covers, Gray - Pkg/50 | 16.53 | 15.21 | 13.88 | CALL |
| TDS8CVR-BK | 8x8 Shielded Snap-on Covers, Black - Pkg/50 | 16.53 | 15.21 | 13.88 | CALL |
| TDS8CVR-BL | 8x8 Shielded Snap-on Covers, Blue - Pkg/50 | 16.53 | 15.21 | 13.88 | CALL |
| TDS8CVR-GN | 8x8 Shielded Snap-on Covers, Green - Pkg/50 | 16.53 | 15.21 | 13.88 | CALL |
| TDS8CVR-IV | 8x8 Shielded Snap-on Covers, Ivory - Pkg/50 | 16.53 | 15.21 | 13.88 | CALL |
| TDS8CVR-RD | 8x8 Shielded Snap-on Covers, Red - Pkg/50 | 16.53 | 15.21 | 13.88 | CALL |
| TDS8CVR-WH | 8x8 Shielded Snap-on Covers, White - Pkg/50 | 16.53 | 15.21 | 13.88 | CALL |
| TDS8CVR-YL | 8x8 Shielded Snap-on Covers, Yellow - Pkg/50 | 16.53 | 15.21 | 13.88 | CALL |

| | | | | | |
|--------------|---|-------|-------|-------|------|
| MPC45D45-BLK | LSZH Snagless "Shark Fin" Style Boot, 4.5mm Black, Pkg/50 | 15.49 | 15.18 | 14.56 | CALL |
| MPC45D50-BLK | LSZH Snagless "Shark Fin" Style Boot, 5.0mm Black, Pkg/50 | 15.49 | 15.18 | 14.56 | CALL |
| MPC45D55-BLK | LSZH Snagless "Shark Fin" Style Boot, 5.5mm Black, Pkg/50 | 15.49 | 15.18 | 14.56 | CALL |
| MPC45D60-BLK | LSZH Snagless "Shark Fin" Style Boot, 6.0mm Black, Pkg/50 | 15.49 | 15.18 | 14.56 | CALL |
| MPC45D65-BLK | LSZH Snagless "Shark Fin" Style Boot, 6.5mm Black, Pkg/50 | 15.49 | 15.18 | 14.56 | CALL |
| MPC45D70-BLK | LSZH Snagless "Shark Fin" Style Boot, 7.0mm Black, Pkg/50 | 17.56 | 17.21 | 16.51 | CALL |

| | | | | | |
|-----------------|---|-------|-------|-------|------|
| TSP8048C5S | Category 6 Shielded Modular Plug, RJ45 (8x8), for Large OD Conductors | 6.17 | 6.04 | 5.92 | CALL |
| TSP8048C5S-10PK | Category 6 Shielded Modular Plug, RJ45 (8x8), for Large OD Conductors, Pkg/10 | 53.83 | 52.75 | 51.68 | CALL |
| HT1500 | Two-In-One Modular Crimp Tool | 51.76 | 50.72 | 49.69 | CALL |

High Performance Shielded Category 6a Plugs for Solid or Stranded Cables

These high performance C6a plugs are designed to meet the strict 10 Gigabit 6a standards. A superior two-prong contact design works for both Solid and Stranded conductors. 360° strain relief provides superior shield termination and all plugs come with a wire aligner and load bar for an easy installation. Plugs come in three versions to suit all conductor OD options; please refer to L-com.com for complete specifications.

| | | | | | |
|------------------|--|--------|--------|--------|------|
| TSP6088S | Category 6a Shielded Modular Plug, RJ45 (8x8), Pkg/100 | 165.74 | 155.80 | 145.85 | CALL |
| TSP8048C6AS-25PK | Category 6a Shielded Modular Plug, RJ45 (8x8), for Large OD Conductors, Pkg/25 | 134.65 | 131.96 | 129.27 | CALL |
| TSP6188S-25 | Category 6a Shielded Modular Plug, RJ45 (8x8), for Small OD Conductors, Pkg/25 | 93.21 | 90.41 | 88.55 | CALL |

| | | | | | |
|---------|---|--------|--------|--------|------|
| HTS8200 | Crimp Tool for Shielded Category 6a Plugs | 414.43 | 406.14 | 397.85 | CALL |
|---------|---|--------|--------|--------|------|

Field Terminable 6a RJ45 Connectors

IP20 rated, IDC Field Terminable, 10 Gig rated RJ45 connectors are perfect for terminating in the field without any special tools.

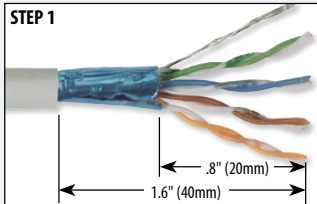
| | | | | | |
|------------|--|-------|-------|-------|------|
| TSPFTC6AS | Category 6a Shielded Field Terminable Plug, RJ45 (8x8) | 11.95 | 10.99 | 10.04 | CALL |
| TSPFTC6ASJ | Category 6a Shielded Field Terminable Jack, RJ45 (8x8) | 11.95 | 10.99 | 10.04 | CALL |

Tip How to assemble a TDS8PC5 and TDS8PC6 series shielded Category 5e and Category 6 modular plug

Online Video

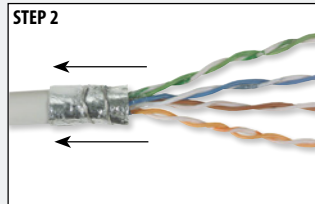
[L-com.com/Videos/A22](https://www.l-com.com/Videos/A22)

STEP 1



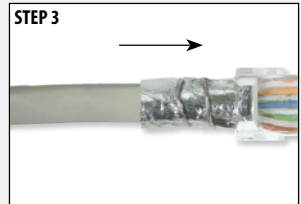
Strip jacketing and shield to dimensions shown.

STEP 2



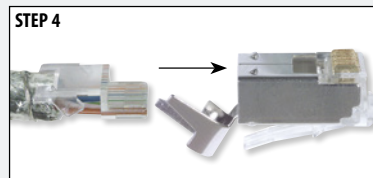
Fold shield back onto jacketing. Wrap drain wire one and a half times around shield. Trim excess.

STEP 3



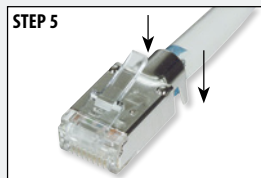
Untwist pairs and arrange to desired order. Trim conductors at an angle and insert into loading bar. Trim excess wires.

STEP 4



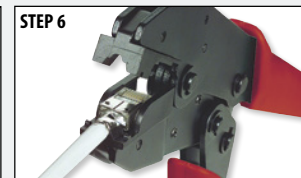
Insert prepared cable into plug.

STEP 5

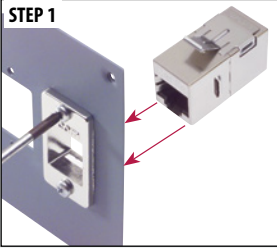


Bend strain relief to lay along cable.

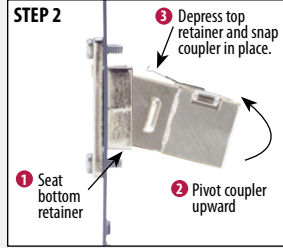
STEP 6



Crimp plug with the specially designed HTS2700 crimp tool.

Tip Easily install a premium ECF coupler kit**Online Video**L-com.com/Videos/A09**STEP 1**

Secure frame in specified opening with supplied hardware and align coupler in proper orientation to the opening.

STEP 2

Seat bottom retainer and pivot coupler upward while depressing upper retainer.

STEP 3

Coupler fully seated.

| Item # | Description | 1-9 | 10-24 | 25-99 | 100+ |
|--------|-------------|-----|-------|-------|------|
|--------|-------------|-----|-------|-------|------|

Premium Panel Mounted Modular Coupler Kits - Category 3, 5e and 6 - Shielded and Unshielded

These unique coupler kits allow panel mounting in virtually any panel thickness. A solid die-cast metal mounting frame provides secure mounting and reliable grounding. Kits include a snap-in coupler, mounting frame and two 4-40 machine screws.

| | | | | | |
|-------------|--|-------|-------|-------|------|
| ECF504-C3 | Category 3 Unshielded RJ45 (8x8) Deluxe Panel Coupler Kit | 5.13 | 4.72 | 4.31 | CALL |
| ECF504-SC3 | Category 3 Shielded RJ45 (8x8) Deluxe Panel Coupler Kit | 7.72 | 7.10 | 6.48 | CALL |
| ECF504-C5 | Category 5e Unshielded RJ45 (8x8) Deluxe Panel Coupler Kit | 7.72 | 7.10 | 6.48 | CALL |
| ECF504-SC5E | Category 5e Shielded RJ45 (8x8) Deluxe Panel Coupler Kit | 10.31 | 9.49 | 8.66 | CALL |
| ECF504-C6 | Category 6 Unshielded RJ45 (8x8) Deluxe Panel Coupler Kit | 8.76 | 8.06 | 7.35 | CALL |
| ECF504-SC6 | Category 6 Shielded RJ45 (8x8) Deluxe Panel Coupler Kit | 10.83 | 9.96 | 9.10 | CALL |
| ECF504-C6A | Category 6a Unshielded RJ45 (8x8) Deluxe Panel Coupler Kit | 13.42 | 12.35 | 11.27 | CALL |
| ECF504-SC6A | Category 6a Shielded RJ45 (8x8) Deluxe Panel Coupler Kit | 16.53 | 15.21 | 13.88 | CALL |

Premium Panel Mounted Mini Coupler Kits - Category 5e and Category 6, Shielded and Unshielded

L-com's best selling RJ45 (8x8) couplers are now available in a shorter, smaller and lighter size with the same reliable performance you have come to expect.

| | | | | | |
|------------------|---|-------|-------|------|------|
| ECF504-C5-MINI | Category 5e Unshielded RJ45 (8x8) Deluxe Panel Mini Coupler Kit | 8.76 | 8.06 | 7.35 | CALL |
| ECF504-SC5E-MINI | Category 5e Shielded RJ45 (8x8) Deluxe Panel Mini Coupler Kit | 11.35 | 10.44 | 9.53 | CALL |
| ECF504-C6-MINI | Category 6 Unshielded RJ45 (8x8) Deluxe Panel Mini Coupler Kit | 9.79 | 9.01 | 8.23 | CALL |
| ECF504-SC6-MINI | Category 6 Shielded RJ45 (8x8) Deluxe Panel Mini Coupler Kit | 11.86 | 10.92 | 9.97 | CALL |

Cat5e/6 Shielded & Unshielded Feed-Thru Panels Featuring L-com's NEW Flange Mounted Mini Couplers

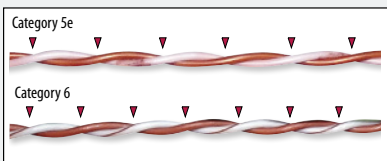
Secure mounting of category 5e/6 couplers has never been easier. L-com's exclusive Low Profile flange mount mini-couplers pre-installed into standard 19" rack panels provide the best method for coupling up to 32 category 5e/6 grade patch cables on a rack. The metal flange is attached permanently to the panel with two 4-40 screws. Panels have a black powder coat finish for durability and each port is numbered to simplify cable organization and tracking. Both shielded and non-shielded versions are offered to fit individual applications. Larger volume quotations are available. All Panels and Mini Couplers are Black.

| | | | | | |
|-----------------|---|--------|--------|--------|------|
| PR175F504B-C5M | 1.75" 16 Port ECF Flange Mounted Low Profile Category 5e Feed-Thru Panel, Unshielded Mini-Coupler | 185.98 | 178.54 | 171.10 | CALL |
| PR35F504B-C5M | 3.50" 32 Port ECF Flange Mounted Low Profile Category 5e Feed-Thru Panel, Unshielded Mini-Coupler | 337.98 | 324.46 | 310.94 | CALL |
| PR175F504B-SC5M | 1.75" 16 Port ECF Flange Mounted Low Profile Category 5e Feed-Thru Panel, Shielded Mini-Coupler | 226.98 | 217.90 | 208.82 | CALL |
| PR35F504B-SC5M | 3.50" 32 Port ECF Flange Mounted Low Profile Category 5e Feed-Thru Panel, Shielded Mini-Coupler | 420.98 | 404.14 | 387.30 | CALL |
| PR175F504B-C6M | 1.75" 16 Port ECF Flange Mounted Low Profile Category 6 Feed-Thru Panel, Unshielded Mini-Coupler | 202.98 | 194.86 | 186.74 | CALL |
| PR35F504B-C6M | 3.50" 32 Port ECF Flange Mounted Low Profile Category 6 Feed-Thru Panel, Unshielded Mini-Coupler | 371.98 | 357.10 | 342.22 | CALL |
| PR175F504B-SC6M | 1.75" 16 Port ECF Flange Mounted Low Profile Category 6 Feed-Thru Panel, Shielded Mini-Coupler | 235.98 | 226.54 | 217.10 | CALL |
| PR35F504B-SC6M | 3.50" 32 Port ECF Flange Mounted Low Profile Category 6 Feed-Thru Panel, Shielded Mini-Coupler | 437.98 | 420.46 | 402.94 | CALL |
| PR175F504B | 1.75" Panel, 16 ECF Style Cutouts | 45.54 | 43.72 | 41.90 | CALL |
| PR35F504B | 3.50" Panel, 32 ECF Style Cutouts | 57.98 | 55.66 | 53.34 | CALL |

| | | | | | |
|-------------|--|-------|-------|-------|------|
| ECF-BLANK | Panel Filler - One Pack | 2.95 | 2.71 | 2.48 | CALL |
| ECF-BLANK25 | Panel Filler - Twenty-Five Pack | 24.95 | 22.95 | 20.96 | CALL |
| ECF-SK-25 | Keystone Adapters - Twenty-Five Pack (Use with Cat3/5/5e/6/6a keystone couplers) | 31.03 | 28.55 | 26.07 | CALL |

Tip What is the difference between Category 5e & Category 6 100 Ohm UTP?

The Category 6 standard adopted in mid 2002 extended key parameters over Category 5e specifications. The additional headroom is intended to provide quality transmission at higher data rates required by emerging applications. As the chart indicates, the most prominent difference is the frequency at which the key parameters are measured. The jump from 100 to 250 MHz places a great deal of emphasis on component quality as well as installation techniques. This improvement is commonly noticed by the increased pair twisting and staggering of twisted pairs.



| | Category 5e | Category 6 |
|---|-------------|--|
| Frequency | 100 MHz | 250 MHz |
| Attenuation | 22db | 19.8db/100M @ 100 MHz 32.8db/100M @ 250 MHz |
| Return Loss | 19db | 19db @ 100 MHz 15.6db @ 250 MHz |
| Delay Skew | 45ns | 45ns |
| Near End Crosstalk (NEXT) | 35.3db | 44.3db @ 100 MHz 38.3db @ 250 MHz |
| Power Sum Near End Crosstalk (PS-NEXT) | 32.3db | 42.3db @ 100 MHz 36.3db @ 250 MHz |
| Equal Level Far End Crosstalk (ELFEXT) | 23.8db | 27.8db @ 100 MHz 19.8db @ 250 MHz |
| Power Sum Equal Level Far End Crosstalk (PS-ELFEXT) | 20.8db | 24.8db @ 100 MHz 16.8db @ 250 MHz |

Exclusive

ECF504-C3

ECF504-SC3

Best Seller

ECF504-C5

ECF504-SC5E



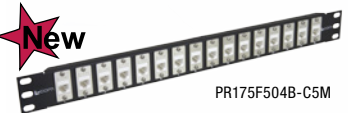
ECF504-C6

ECF504-SC6

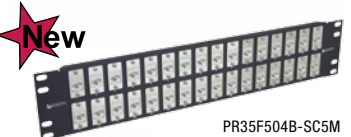


ECF504-C6A

ECF504-SC6A

NewECF504-C5-MINI
ECF504-C6-MINIECF504-SC5E-MINI
ECF504-SC6-MINI**New**

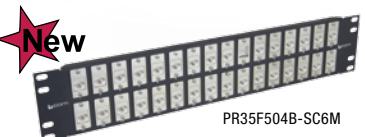
PR175F504B-C5M

New

PR35F504B-SC5M

New

PR175F504B-C6M

New

PR35F504B-SC6M

New

ECF-BLANK

ECF-SK-25

Best Seller

UPR35-6B

UPR-S-KIT
UPR-A-KIT

USPB



USP-A



USP-P



USP2ECF4SB



USP2ECF6SB



USP2ECF8SKB



USP2ECF4SB



USP2ECF6SB



USP2ECF8SKB



USP2ECF-C3B



USP2ECF-SC3B



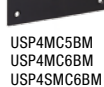
USP2MC5BM



USP4MC5BM



USP2MC6BM



USP4MC6BM



USP2SMC5BM

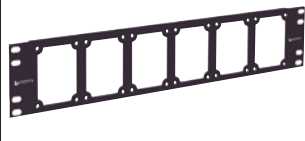


USP4SMC5BM

Tip

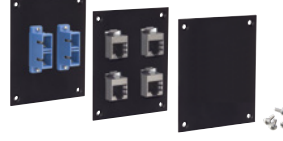
Build Custom Configurations with L-com's Universal Rack Panel System

STEP 1



Start with the Master Rack Panel, UPR35-6B.

STEP 2



Now select a ready made sub-panel that works with your rack panel.

STEP 3



Using a Phillips or Flat screwdriver, install your sub-panels in the master rack panel.

| Item # | Description | 1-9 | 10-24 | 25-99 | 100+ |
|--------|-------------|-----|-------|-------|------|
|--------|-------------|-----|-------|-------|------|

Universal Master Rack Panel with 6 Openings

L-com's Universal Master Rack Series offers installers the ability to customize their installation with different connections within a single rack panel. The Universal Series panels can save time, money and rack space in an installation project. The master panels feature six punched rectangular openings that will accept any of the numerous USP Series sub-panels shown in this catalog. Sub-panel openings are 2.20" x 2.75" (5.6cm x 7.0cm).

| | | | | | |
|-----------|--|-------|-------|-------|------|
| UPR35-6B | Master Rack Panel, Black | 28.96 | 27.80 | 26.64 | CALL |
| UPR-S-KIT | Master Rack Panel with 6 Black Steel Blanks | 53.83 | 51.68 | 49.52 | CALL |
| UPR-A-KIT | Master Rack Panel with 6 Black Aluminum Blanks | 53.83 | 51.68 | 49.52 | CALL |
| PR-CMB | Cable Management Bracket Kit for most L-com 19" (48.3cm) Panels Kit Contains: (Qty: 6) Extension Brackets, (Qty: 1) 19" (48.3cm) Crossbar (Qty: 18) Flathead Screws | 50.72 | 48.69 | 46.66 | CALL |

Universal Series Blank Sub-Panels

Universal Series blank sub-panels can be used to cover unused openings or may be used to customize a panel assembly. These panels come in 3 different styles for users to choose from: black anodized aluminum, white high impact plastic or black steel. The aluminum and plastic panels offer the easiest option for custom drilling or punching holes. The black steel panels are constructed of sturdy .060 inch (0.2cm) (16 ga) cold rolled steel for durability. Each sub-panel is equipped with four pre-tapped holes to accept the four 6-32 mounting screws which are supplied.

| | | | | | |
|-------|---|------|------|------|------|
| USPB | Universal Steel Blank Sub-Panel, Black | 5.13 | 4.92 | 4.72 | CALL |
| USP-A | Universal Aluminum Blank Sub-Panel, Black | 5.13 | 4.92 | 4.72 | CALL |
| USP-P | Universal Plastic Blank Sub-Panel, White | 5.13 | 4.92 | 4.72 | CALL |

Universal Series Sub-Panels Featuring Telecom/Network Grade Connections

The Universal sub-panel series offers connections for telecom and network equipment. Choose between Category 3, Category 5e or Category 6 rated connections either shielded or non-shielded. Panel choices offer both feed-thru style couplers and jacks with 110 style punch terminations. Either 2 or 4 connections per panel can be chosen and blank panels are available for further customization. All panels are black steel and come equipped with four pre-tapped holes to accept the four 6-32 mounting screws which are supplied.

| | | | | | |
|------------|--|-------|-------|-------|------|
| USP2ECF4SB | Sub-Panel with 2 ECF Style RJ11 (6x4) Couplers, Straight Wired | 16.53 | 15.87 | 15.21 | CALL |
| USP2ECF6SB | Sub-Panel with 2 ECF Style RJ12 (6x6) Couplers, Straight Wired | 16.53 | 15.87 | 15.21 | CALL |

| | | | | | |
|-------------|---|-------|-------|-------|------|
| USP2ECF8SKB | Sub-Panel with 2 ECF Style RJ45K (8x8) Keyed Couplers, Straight Wired | 18.60 | 17.86 | 17.11 | CALL |
| USP2ECF4SB | Sub-Panel with 2 ECF Style RJ11 (6x4) Couplers, Straight Wired | 20.67 | 19.85 | 19.02 | CALL |
| USP2ECF6SB | Sub-Panel with 2 ECF Style RJ12 (6x6) Couplers, Straight Wired | 20.67 | 19.85 | 19.02 | CALL |
| USP2ECF8SKB | Sub-Panel with 2 ECF Style RJ45K (8x8) Keyed Couplers, Straight Wired | 22.74 | 21.83 | 20.93 | CALL |

| | | | | | |
|--------------|---|-------|-------|-------|------|
| USP2ECF-C3B | Sub-Panel with 2 Category 3 RJ45 (8x8) Couplers | 24.82 | 23.82 | 22.83 | CALL |
| USP2ECF-SC3B | Sub-Panel with 2 Category 3 RJ45 (8x8) Couplers, Shielded | 30.00 | 28.80 | 27.60 | CALL |

| | | | | | |
|------------|---|-------|-------|-------|------|
| USP2MC5BM | Sub-Panel with 2 Category 5e Low Profile Mini-Couplers, RJ45 Straight Thru | 19.98 | 19.18 | 18.38 | CALL |
| USP4MC5BM | Sub-Panel with 4 Category 5e Low Profile Mini-Couplers, RJ45 Straight Thru | 32.98 | 31.66 | 30.34 | CALL |
| USP2SMC5BM | Sub-Panel w/ 2 Category 5e Low Profile Mini-Couplers, RJ45 Straight Thru, Shielded | 23.78 | 22.83 | 21.88 | CALL |
| USP4SMC5BM | Sub-Panel w/ 4 Category 5e Low Profile Mini-Couplers, RJ45 Straight Thru, Shielded | 40.98 | 39.34 | 37.70 | CALL |
| USP2MC6BM | Sub-Panel with 2 Category 6 Low Profile Mini-Couplers, RJ45 Straight Thru | 22.98 | 22.06 | 21.14 | CALL |
| USP4MC6BM | Sub-Panel with 4 Category 6 Low Profile Mini-Couplers, RJ45 Straight Thru | 36.98 | 35.50 | 34.02 | CALL |
| USP2SMC6BM | Sub-Panel with 2 Category 6 Low Profile Mini-Couplers, RJ45 Straight Thru, Shielded | 25.98 | 24.94 | 23.90 | CALL |
| USP4SMC6BM | Sub-Panel with 4 Category 6 Low Profile Mini-Couplers, RJ45 Straight Thru, Shielded | 44.98 | 43.18 | 41.38 | CALL |

| | | | | | |
|----------------|--|-------|-------|-------|------|
| USP2ECF-C5EBM | Sub-Panel with 2 ECF Kit Category 5e Low Profile Mini-Couplers, RJ45, Unshielded | 24.98 | 23.98 | 22.98 | CALL |
| USP2ECF-SC5EBM | Sub-Panel with 2 ECF Kit Category 5e Low Profile Mini-Couplers, RJ45, Shielded | 29.98 | 28.78 | 27.58 | CALL |
| USP2ECF-C6BM | Sub-Panel with 2 ECF Kit Category 6 Low Profile Mini-Couplers, RJ45, Unshielded | 26.98 | 25.90 | 24.82 | CALL |
| USP2ECF-SC6BM | Sub-Panel with 2 ECF Kit Category 6 Low Profile Mini-Couplers, RJ45, Shielded | 30.98 | 29.74 | 28.50 | CALL |
| USP2KC-R5EB | Sub-Panel with 2 Category 5e Right Angle Keystone Couplers | 33.11 | 31.78 | 30.46 | CALL |
| USP2KS-R5EB | Sub-Panel with 2 Category 5e Right Angle Keystone Couplers, Shielded | 38.29 | 36.76 | 35.22 | CALL |
| USP4KC-R5EB | Sub-Panel with 4 Category 5e Right Angle Keystone Couplers | 57.98 | 55.66 | 53.34 | CALL |
| USP4KS-R5EB | Sub-Panel with 4 Category 5e Right Angle Keystone Couplers, Shielded | 67.30 | 64.61 | 61.92 | CALL |

| | | | | | |
|---------|--|------|------|------|------|
| USP238B | Blank Sub-Panel with 2 Keystone Openings, Pre-Punched | 7.20 | 6.91 | 6.63 | CALL |
| USP231B | Blank Sub-Panel with 4 Keystone Openings, Pre-Punched | 7.20 | 6.91 | 6.63 | CALL |
| USP229B | Blank Sub-Panel with 2 ECF Style Openings, Pre-Punched | 7.20 | 6.91 | 6.63 | CALL |

Universal Series Sub-Panel Mounted Cable D-Ring

A D-Ring style cable manager mounted to a sub-panel allows a convenient way to secure cables on the rack panel.

| | | | | | |
|------------|--------------------------------|-------|-------|-------|------|
| USP-CM134B | Sub-Panel Mounted Cable D-Ring | 19.64 | 18.85 | 18.07 | CALL |
|------------|--------------------------------|-------|-------|-------|------|

| Item # | Description | Color | 1-9 | 10-24 | 25-99 | 100+ |
|---|---|-------|------|-------|-------|------|
| Deluxe Panel Mounted Modular Couplers, 30 Microinches (0.762µm) Gold, Ivory Color | | | | | | |
| These straight and cross wired modular couplers are available exclusively from L-com. Six different configurations all fit into the same 0.675" (1.7cm) x 0.900" (2.3cm) rectangular opening. Wire contacts have 30 microinch (0.762µm) gold plating for multiple insertions. Plastic is 94V-0 rated. Flange accepts #4 or #5 mounting screws to be purchased separately. Category 3 rated. | | | | | | |
| ECF504-4C | Modular Coupler, RJ11 (6x4), Crossed, 30µ (0.762µm) | Ivory | 4.09 | 4.01 | 3.85 | CALL |
| ECF504-6C | Modular Coupler, RJ12 (6x6), Crossed, 30µ (0.762µm) | Ivory | 4.40 | 4.32 | 4.14 | CALL |

| | | | | | | |
|------------|---|-------|------|------|------|------|
| ECF504-4S | Modular Coupler, RJ11 (6x4), Straight, 30µ (0.762µm) | Ivory | 4.09 | 4.01 | 3.85 | CALL |
| ECF504-6S | Modular Coupler, RJ12 (6x6), Straight, 30µ (0.762µm) | Ivory | 4.40 | 4.32 | 4.14 | CALL |
| ECF504-8SK | Modular Coupler, RJ45 (8x8K), Straight, 30µ (0.762µm) | Ivory | 5.65 | 5.53 | 5.31 | CALL |
| ECF440 | Machine Screws, 4-40 x 5/16", Pkg/100 | | 5.18 | 4.77 | 4.35 | CALL |

Deluxe Panel Mounted Modular Jacks - 10" Wire Leads, 30 Microinches (0.762µm) Gold, Ivory Color

One difficulty in using modular jacks is the mounting problem on a panel. L-com's solution to this problem is providing a flange that mounts with two screws in a 0.675" (1.7cm) x 0.900" (2.3cm) rectangular opening. Choice of RJ11/12 (6x6) or RJ45 (8x8K) usable with keyed or non-keyed plugs. Custom versions of other jack types considered in quantities of 500/up. Mounting screws must be purchased separately.

| | | | | | | |
|----------|---|-------|------|------|------|------|
| ECJ504-6 | Modular Panel Jack, RJ12 (6x6)/Wires, 30µ | Ivory | 4.51 | 4.42 | 4.24 | CALL |
| ECJ504-8 | Modular Panel Jack, RJ45K (8x8K)/Wires, 30µ | Ivory | 4.92 | 4.82 | 4.63 | CALL |
| ECF440 | Machine Screws, 4-40 x 5/16", Pkg/100 | | 5.18 | 4.77 | 4.35 | CALL |

Deluxe Panel Mounted Couplers, 50 Microinches (1.27µm) Gold, Black Color

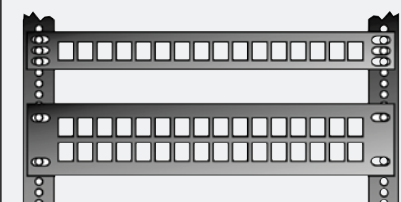
These couplers are similar to the ECF504 Series with two changes. The molding has been changed to a black color for applications when ivory is not wanted. Also, the contacts have 50 microinches (1.27µm) of gold for superior mating with modular plugs. Mounting screws must be purchased separately. Category 3 rated.

| | | | | | | |
|-------------|---|-------|------|------|------|------|
| ECF504B-4S | Modular Coupler, RJ11 (6x4), Straight, 50µ (1.27µm) | Black | 4.40 | 4.32 | 4.14 | CALL |
| ECF504B-6S | Modular Coupler, RJ12 (6x6), Straight, 50µ (1.27µm) | Black | 4.61 | 4.52 | 4.33 | CALL |
| ECF504B-8SK | Modular Coupler, RJ45K (8x8K), Straight, 50µ (1.27µm) | Black | 5.65 | 5.53 | 5.31 | CALL |
| ECF440 | Machine Screws, 4-40 x 5/16", Pkg/100 | | 5.18 | 4.77 | 4.35 | CALL |

19" (48.3cm) Modular Patch Panels - Equipped with 16 or 32 ECF504B Modular Couplers

These panels utilize the ECF504B couplers with 50 microinch (1.27µm) plating. 16 and 32 port available. Straight thru pinned only.

| | | | | | | |
|----------------|---|-------|--------|--------|--------|------|
| PR175F504B-4S | 1.75" (4.4cm) 16 Port Panel RJ11 (6x4), Straight-Thru | Black | 85.95 | 82.51 | 79.08 | CALL |
| PR175F504B-6S | 1.75" (4.4cm) 16 Port Panel RJ12 (6x6), Straight-Thru | Black | 95.28 | 91.47 | 87.66 | CALL |
| PR175F504B-8SK | 1.75" (4.4cm) 16 Port Panel RJ45 (8x8), Straight, Keyed | Black | 102.53 | 98.43 | 94.33 | CALL |
| PR35F504B-4S | 3.50" (8.9cm) 32 Port Panel RJ11 (6x4), Straight-Thru | Black | 148.12 | 142.20 | 136.27 | CALL |
| PR35F504B-6S | 3.50" (8.9cm) 32 Port Panel RJ12 (6x6), Straight-Thru | Black | 165.74 | 159.11 | 152.48 | CALL |
| PR35F504B-8SK | 3.50" (8.9cm) 32 Port Panel RJ45 (8x8), Straight, Keyed | Black | 193.72 | 185.97 | 178.22 | CALL |



How Rack Spaces and Sizes are Measured

1 Rack Space = 1.75" (4.4cm)

2 Rack Spaces = 3.5" (8.9cm)

Racks are a great way to neaten up wiring closets and labs. Network equipment and rack panels usually come in 1.75" (4.4cm), 3.5" (8.9cm) and 5.25" (13.3cm) heights. (1, 2 and 3 rack spaces).

Premium Keystone Style - 16 and 32 Port Feed-Thru Modular Panels, Category 5e Rated

These 19" (48.3cm) rack panels utilize the UJ5T568 and UJ5T568S couplers. 16 and 32 port versions available in shielded and unshielded configurations. Category 5e rated.

| | | | | | | |
|-------------|---|-------|--------|--------|--------|------|
| PR175UT568 | 1.75" (4.4cm) 16 Port Cat5e Feed-Thru Panel, Unshielded | Black | 212.37 | 203.87 | 195.38 | CALL |
| PR175UT568S | 1.75" (4.4cm) 16 Port Cat5e Feed-Thru Panel, Shielded | Black | 253.82 | 243.66 | 233.51 | CALL |
| PR35UT568 | 3.50" (8.9cm) 32 Port Cat5e Feed-Thru Panel, Unshielded | Black | 357.44 | 343.14 | 328.84 | CALL |
| PR35UT568S | 3.50" (8.9cm) 32 Port Cat5e Feed-Thru Panel, Shielded | Black | 414.43 | 397.85 | 381.27 | CALL |

Keystone Style - 16 and 32 Port Feed-Thru Modular Panels - Category 5e and 6 Rated

High speed network patching is made easy with L-com's keystone patch panels. L-com's unique straight and offset low-profile keystone couplers are pre-installed into standard 19" rack panels providing an easy method for coupling up to 16 or 32 category 5E grade patch cables on a rack. Panels have a black powder coat finish for durability and each port is numbered to simplify cable organization and tracking. Both shielded and non-shielded versions are offered to fit individual applications.

| | | | | | |
|---------------|---|--------|--------|--------|------|
| PR175C5E-16M | 1.75" 16 Port Low Profile Straight Category 5e Feed-Thru Panel, Unshielded Mini-Coupler | 136.98 | 131.50 | 126.02 | CALL |
| PR35C5E-32M | 3.50" 32 Port Low Profile Straight Category 5e Feed-Thru Panel, Unshielded Mini-Coupler | 249.98 | 239.98 | 229.98 | CALL |
| PR175C5E-16SM | 1.75" 16 Port Low Profile Straight Category 5e Feed-Thru Panel, Shielded Mini-Coupler | 166.98 | 160.30 | 153.62 | CALL |
| PR35C5E-32SM | 3.50" 32 Port Low Profile Straight Category 5e Feed-Thru Panel, Shielded Mini-Coupler | 310.98 | 298.54 | 286.10 | CALL |
| PR175C6-16M | 1.75" 16 Port Low Profile Category 6 Feed-Thru Panel, Unshielded Mini-Coupler | 152.98 | 146.86 | 140.74 | CALL |
| PR35C6-32M | 3.50" 32 Port Low Profile Category 6 Feed-Thru Panel, Unshielded Mini-Coupler | 282.98 | 271.66 | 260.34 | CALL |
| PR175C6-16SM | 1.75" 16 Port Low Profile Category 6 Feed-Thru Panel, Shielded Mini-Coupler | 183.98 | 176.62 | 169.26 | CALL |
| PR35C6-32SM | 3.50" 32 Port Low Profile Category 6 Feed-Thru Panel, Shielded Mini-Coupler | 343.98 | 330.22 | 316.46 | CALL |
| PR175UJ16B | 1.75" Blank Panel Accepts 16 Keystone Couplers | 34.14 | 32.78 | 31.41 | CALL |
| PR35UT568B | 3.50" Blank Panel Accepts 32 Keystone Couplers | 45.54 | 43.72 | 41.90 | CALL |

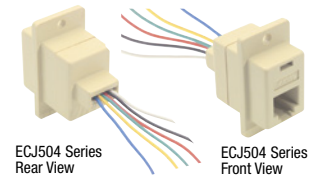
Right Angle Keystone Style - 16 and 32 Port Feed-Thru Modular Panels - Category 5e Rated

Unique, high speed network patching is made easy with L-com's right angle keystone coupler patch panels. L-com's low-profile, 90 degree Keystone couplers are pre-installed into standard 19" rack panels, providing an easy method for addressing tight fit applications. These couplers offer a true 90 Degree exit from the cable entry point.

| | | | | | | |
|--------------|--|-------|--------|--------|--------|------|
| PR175R5E-16 | 1.75" (4.4cm) 16 Port, RA, Cat5e Feed-Thru Panel, Unshielded | Black | 186.46 | 179.01 | 171.55 | CALL |
| PR175SR5E-16 | 1.75" (4.4cm) 16 Port, RA, Cat5e Feed-Thru Panel, Shielded | Black | 217.55 | 208.85 | 200.15 | CALL |
| PR35R5E-32 | 3.50" (8.9cm) 32 Port, RA, Cat5e Feed-Thru Panel, Unshielded | Black | 262.11 | 251.62 | 241.14 | CALL |
| PR35SR5E-32 | 3.50" (8.9cm) 32 Port, RA, Cat5e Feed-Thru Panel, Shielded | Black | 290.08 | 278.48 | 266.88 | CALL |

ECF504 Series

Network Rating: Category 3
Color: Ivory
Gold Plating: 30 microinches
Flammability Rating: 94V-0



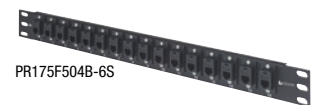
ECJ504 Series
Rear View

ECJ504 Series
Front View

Color: Ivory
Gold Plating: 30 microinches
Flammability Rating: 94V-0

ECF504B Series

Network Rating: Category 3
Color: Black
Gold Plating: 50 microinches
Flammability Rating: 94V-0



PR175F504B-6S



PR35F504B-6S



PR175F504B-4S



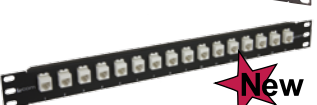
PR35F504B-4S



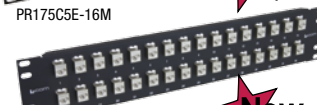
PR175UT568



PR35UT568



PR175C5E-16M



PR35C5E-32SM



PR175C6-16SM



PR35C6-32SM



Right Angle
Keystone
Coupler

RJ45 Coupler Overview

Online Video

L-com.com/Videos/A29

Exclusive



TDG1026KC-R5E

TDG1026KC-R5E
Bottom/Back ViewTDG1026KC-R5E
Bottom/Front View

Exclusive

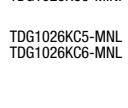


ECF504-C3



ECF504-SC3

Best Seller

ECF504-C5
ECF504-C6
ECF504-C6AECF504-SC5E
ECF504-C6
ECF504-C6AECF504-C5-MINI
ECF504-C6-MINIECF504-SC5E-MINI
ECF504-C6-MINITDG1026KC5-MINI
TDG1026KC6-MINITDG1026KS-C5E-MINI
TDG1026KS-C6-MINITDG1026KC5-MNL
TDG1026KC6-MNLTDG1026KS-C5E-MNL
TDG1026KS-C6-MNL

Best Seller

TDG1026KC5
TDG1026KC6TDG1026KS-C5E
TDG1026KS-C6

TDG1026KC6A

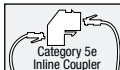


TDG1026KS-C6A

Best Seller

UJ5T568
(Unshielded)UJ5T568S
(Shielded)

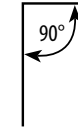
Network Rating: Category 5e
Color: Black or Silver
Gold Plating: 50 microinches
Flammability Rating: 94V-0



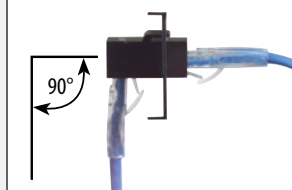
Tip Using L-com's right angle Cat5e coupler

The unique design of the L-com TDG1026KC-R5E right angle Cat5e coupler allows for cable connectivity in tight fit/confined space applications found with premise wiring installations involving wall plates and with MDF and IDF applications where patch panel depth is limited.

Wall Plate Mounting



Patch Panel Mounting



| Item # | Description | 1-9 | 10-24 | 25-99 | 100+ |
|--------|-------------|-----|-------|-------|------|
|--------|-------------|-----|-------|-------|------|

L-com's Exclusive Right Angle Category 5e Keystone Couplers

An exclusive product design from L-com, these right angle Category 5e couplers offer true 90° connectivity and meet Category 5e standards. These unique right angle keystone couplers were designed to address tight fit applications commonly seen with wall plates and some patch panel designs. These robust right angle Category 5e couplers fit standard .765" (0.3cm) x .585" (0.2cm) keystone openings and can be used for myriad voice, video and data applications.

Right Angle Category 5e Keystone Couplers

| | | | | | |
|---------------|--|-------|------|------|------|
| TDG1026KC-R5E | Category 5e Unshielded RJ45 (8x8) Right Angle Keystone Coupler | 8.76 | 8.06 | 7.35 | CALL |
| TDG1026KS-R5E | Category 5e Shielded RJ45 (8x8) Right Angle Keystone Coupler | 10.83 | 9.96 | 9.10 | CALL |

Premium Panel Mounted Modular Coupler Kits - Category 3, 5e and 6 - Shielded and Unshielded

These unique coupler kits allow panel mounting in virtually any panel thickness. A solid die-cast metal mounting frame provides secure mounting and reliable grounding. Kits include a snap-in coupler, mounting frame and two 4-40 machine screws.

| | | | | | |
|------------|---|------|------|------|------|
| ECF504-C3 | Category 3 Unshielded RJ45 (8x8) Deluxe Panel Coupler Kit | 5.13 | 4.72 | 4.31 | CALL |
| ECF504-SC3 | Category 3 Shielded RJ45 (8x8) Deluxe Panel Coupler Kit | 7.72 | 7.10 | 6.48 | CALL |

| | | | | | |
|-------------|--|-------|------|------|------|
| ECF504-C5 | Category 5e Unshielded RJ45 (8x8) Deluxe Panel Coupler Kit | 7.72 | 7.10 | 6.48 | CALL |
| ECF504-SC5E | Category 5e Shielded RJ45 (8x8) Deluxe Panel Coupler Kit | 10.31 | 9.49 | 8.66 | CALL |

| | | | | | |
|-------------|--|-------|-------|-------|------|
| ECF504-C6 | Category 6 Unshielded RJ45 (8x8) Deluxe Panel Coupler Kit | 8.76 | 8.06 | 7.35 | CALL |
| ECF504-SC6 | Category 6 Shielded RJ45 (8x8) Deluxe Panel Coupler Kit | 10.83 | 9.96 | 9.10 | CALL |
| ECF504-C6A | Category 6a Unshielded RJ45 (8x8) Deluxe Panel Coupler Kit | 13.42 | 12.35 | 11.27 | CALL |
| ECF504-SC6A | Category 6a Shielded RJ45 (8x8) Deluxe Panel Coupler Kit | 16.53 | 15.21 | 13.88 | CALL |

Premium Panel Mounted Mini Coupler Kits - Category 5e and Category 6, Shielded and Unshielded

L-com's best selling RJ45 (8x8) couplers are now available in a shorter, smaller and lighter size with the same reliable performance you have come to expect.

| | | | | | |
|------------------|---|-------|-------|------|------|
| ECF504-C5-MINI | Category 5e Unshielded RJ45 (8x8) Deluxe Panel Mini Coupler Kit | 8.76 | 8.06 | 7.35 | CALL |
| ECF504-SC5E-MINI | Category 5e Shielded RJ45 (8x8) Deluxe Panel Mini Coupler Kit | 11.35 | 10.44 | 9.53 | CALL |

| | | | | | |
|-----------------|--|-------|-------|------|------|
| ECF504-C6-MINI | Category 6 Unshielded RJ45 (8x8) Deluxe Panel Mini Coupler Kit | 9.79 | 9.01 | 8.23 | CALL |
| ECF504-SC6-MINI | Category 6 Shielded RJ45 (8x8) Deluxe Panel Mini Coupler Kit | 11.86 | 10.92 | 9.97 | CALL |

RJ45 (8x8) Mini Keystone and In-line Feed-Thru Couplers - Shielded and Unshielded, Category 5e and 6

At less than 1 inch in length, L-com's Mini Couplers are the smallest, lightest way to couple two Ethernet cables. Mini couplers utilize two RJ45 (8x8) jacks. Keystone style fits in standard keystone openings and in-line style is the most economical way to couple two Ethernet cables.

| | | | | | |
|-----------------|---|------|------|------|------|
| TDG1026KC5-MINI | Category 5e Unshielded RJ45 (8x8) Keystone Feed-thru Mini Coupler | 6.37 | 5.86 | 5.35 | CALL |
| TDG1026KS5-MNL | Category 5e Unshielded RJ45 (8x8) In-line Feed-thru Mini Coupler | 5.85 | 5.39 | 4.92 | CALL |

| | | | | | |
|--------------------|---|------|------|------|------|
| TDG1026KS-C5E-MINI | Category 5e Shielded RJ45 (8x8) Keystone Feed-thru Mini Coupler | 8.28 | 7.62 | 6.95 | CALL |
| TDG1026KS-C5E-MNL | Category 5e Shielded RJ45 (8x8) In-line Feed-thru Mini Coupler | 7.76 | 7.14 | 6.52 | CALL |

| | | | | | |
|-----------------|--|------|------|------|------|
| TDG1026KC6-MINI | Category 6 Unshielded RJ45 (8x8) Keystone Feed-thru Mini Coupler | 7.41 | 6.82 | 6.22 | CALL |
| TDG1026KS6-MNL | Category 6 Unshielded RJ45 (8x8) In-line Feed-thru Mini Coupler | 6.89 | 6.34 | 5.79 | CALL |

| | | | | | |
|-------------------|--|------|------|------|------|
| TDG1026KS-C6-MINI | Category 6 Shielded RJ45 (8x8) Keystone Feed-thru Mini Coupler | 9.32 | 8.57 | 7.82 | CALL |
| TDG1026KS6-MNL | Category 6 Shielded RJ45 (8x8) In-line Feed-thru Mini Coupler | 8.80 | 8.09 | 7.39 | CALL |

RJ45 (8x8) Keystone Feed-Thru Couplers - Shielded and Unshielded Category 3, 5e, 6 and 6a

These couplers utilize two RJ45 (8x8) modular jacks and fit into a standard keystone style opening. A slim housing design permits high density mounting. Couplers listed include Category 3, Category 5e, Category 6 and Category 6a performance ratings in both shielded and unshielded versions. Connector housings enclosed within a fully stamped shielding. Designed to work with EIA/TIA 568A and B wiring.

| | | | | | |
|--------------|---|------|------|------|------|
| TDG1026KC3 | Category 3 Unshielded RJ45 (8x8) Keystone Feed-thru Coupler | 2.44 | 2.24 | 2.05 | CALL |
| TDG1026KS-8P | Category 3 Shielded RJ45 (8x8) Keystone Feed-thru Coupler | 5.17 | 4.76 | 4.34 | CALL |

| | | | | | |
|---------------|--|------|------|------|------|
| TDG1026KC5 | Category 5e Unshielded RJ45 (8x8) Keystone Feed-thru Coupler | 5.34 | 4.91 | 4.48 | CALL |
| TDG1026KS-C5E | Category 5e Shielded RJ45 (8x8) Keystone Feed-thru Coupler | 7.24 | 6.66 | 6.08 | CALL |

| | | | | | |
|--------------|---|------|------|------|------|
| TDG1026KC6 | Category 6 Unshielded RJ45 (8x8) Keystone Feed-thru Coupler | 6.37 | 5.86 | 5.35 | CALL |
| TDG1026KS-C6 | Category 6 Shielded RJ45 (8x8) Keystone Feed-thru Coupler | 8.28 | 7.62 | 6.95 | CALL |

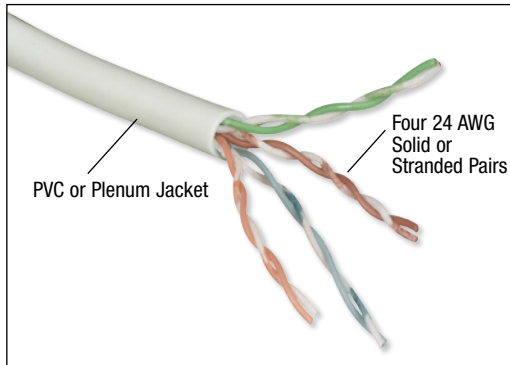
| | | | | | |
|---------------|--|-------|------|------|------|
| TDG1026KC6A | Category 6a Unshielded RJ45 (8x8) Keystone Feed-thru Coupler | 8.24 | 7.58 | 6.92 | CALL |
| TDG1026KS-C6A | Category 6a Shielded RJ45 (8x8) Keystone Feed-thru Coupler | 10.35 | 9.52 | 8.70 | CALL |

Premium Keystone Style RJ45 (8x8) Feed-Thru Modular Couplers - Category 5e Rated

Two Category 5e feed-thru modular couplers for mating EIA568 A or B Category 5e connections. In both shielded and unshielded versions, this unique offset design maintains Category 5e performance and limits depth to only 1.25" (0.5cm). Designed to mate with keystone style holes.

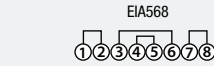
| | | | | | |
|----------|---|-------|-------|-------|------|
| UJ5T568 | Modular Coupler, Cat5e RJ45 (8x8), Unshielded | 10.31 | 9.49 | 8.66 | CALL |
| UJ5T568S | Modular Coupler, Cat5e RJ45 (8x8), Shielded | 12.90 | 11.87 | 10.84 | CALL |

Category 5e to 100 MHz - Hi-Speed UTP for LAN and Emerging Applications



Unshielded twisted pair has become the cabling of choice in voice and data applications. Low cost and easy installation are driving popularity. As new higher speed applications emerge, higher performance from cabling systems is required. Category 5e performance requirements add margin over existing Category 5 specifications to support more robust, bi-directional signaling schemes over all four pairs. Applications supported include: 10Base-T, 100Base-T, 100Base-TX, 1000Base-T, 100BaseVG-Any-LAN, 155Mbps ATM and a number of emerging multimedia applications.

Category 5e Bulk Cable



Twisted Pair Pinning: 1 & 2, 3 & 6, 4 & 5, 7 & 8

Category 5e Stranded 4 Pair Cable



| FREQUENCY | NEAR END CROSSTALK (NEXT) | POWER SUM NEXT LOSS | EQUAL LEVEL FAR END CROSSTALK (EFLXT) | POWER SUM EFLXT | RETURN LOSS | ATTENUATION | IMPEDANCE |
|-----------|---------------------------|---------------------|---------------------------------------|-----------------|-------------|-------------|------------------------|
| 4 MHz | 56.3 db | 53.3 db | 51.7 db | 48.7 db | 23 db | 4.1 db | 100 Ohms \pm 15 Ohms |
| 10 MHz | 50.3 db | 47.3 db | 43.8 db | 40.8 db | 25 db | 6.5 db | 100 Ohms \pm 15 Ohms |
| 20 MHz | 45.8 db | 42.8 db | 37.7 db | 34.7 db | 25 db | 9.3 db | 100 Ohms \pm 15 Ohms |
| 100 MHz | 35.3 db | 32.3 db | 23.8 db | 20.8 db | 20.1 db | 22 db | 100 Ohms \pm 15 Ohms |

This table refers to the electrical specifications of TC2379, other Category 5e cabling is similar.

| Item # | Description | Color | List Price |
|----------|---|--------|------------|
| TC2379 | Category 5e, PVC Bulk, 1,000ft (304.8m) Box, 4 Pr. Solid | Beige | 92.22 |
| TC2380 | Category 5e, PVC Bulk, 1,000ft (304.8m) Reel, 2 Pr. Stranded | Beige | 164.76 |
| TC2382 | Category 5e, PVC Bulk, 1,000ft (304.8m) Reel, 4 Pr. Stranded | Beige | 206.20 |
| TC2581 | Category 5e, PVC Bulk, 1,000ft (304.8m) Reel, 4 Pr. Stranded | Yellow | 206.20 |
| TC2589 | Category 5e, PVC Bulk, 1,000ft (304.8m) Reel, 4 Pr. Stranded | Red | 206.20 |
| TC2590 | Category 5e, PVC Bulk, 1,000ft (304.8m) Reel, 4 Pr. Stranded | Green | 206.20 |
| TC2599 | Category 5e, PVC Bulk, 1,000ft (304.8m) Reel, 4 Pr. Stranded | Blue | 206.20 |
| TPC2347 | Category 5e, Plenum Bulk, 1,000ft (304.8m) Box, 4 Pr. Solid | White | 195.84 |
| TPC2567 | Category 5e, Plenum Bulk, 1,000ft (304.8m) Box, 4 Pr. Solid | Blue | 195.84 |
| TPC58142 | Category 5e, Plenum Bulk, 1,000ft (304.8m) Reel, 25 Pr. Solid | White | 949.95 |

Category 5e and 6 Outdoor UV Resistant Gel-Filled Bulk Cable - Ethernet Grade Cable for Outdoor Usage

Protect Ethernet cable runs outside with L-com's outdoor Category 5e rated twisted pair cabling. The gel-filled jacket provides moisture protection when used in an outdoor environment. With the UV protected jacket, outdoor cable runs are protected from damage caused by sunlight exposure. The cable is EIA568 color-coded for compatibility with standard installations and features solid conductors for termination into standard IDC connectors.

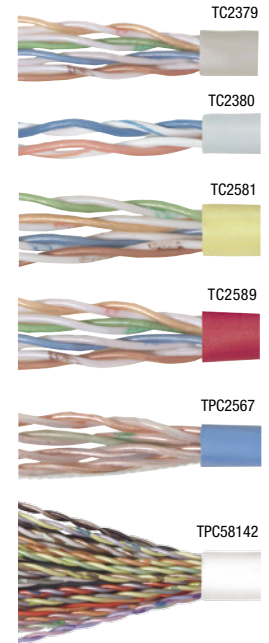
| FREQUENCY | NEAR END CROSS TALK (NEXT) | ATTENUATION | CAPACITANCE | IMPEDANCE |
|-----------|--|--------------------|--------------|------------------------|
| 4 MHz | 53 dB min. | 4.1 dB/330 ft max. | 14 pF/ft Max | 100 Ohms \pm 15 Ohms |
| 10 MHz | 47 dB min. | 6.5 dB/330 ft max. | 14 pF/ft Max | 100 Ohms \pm 15 Ohms |
| 20 MHz | 42 dB min. | 9.3 dB/330 ft max. | 14 pF/ft Max | 100 Ohms \pm 15 Ohms |
| 100 MHz | 32 dB min. | 22 dB/330 ft max. | 14 pF/ft Max | 100 Ohms \pm 15 Ohms |
| TOAC2004 | Category 5e, Outdoor Aerial/Duct, 1,000ft (304.8m) Reel, 4 Pr. Solid | | Black | 268.38 |
| TOBC2004 | Category 5e, Outdoor Direct Burial, 1,000ft (304.8m) Reel, 4 Pr. Solid | | Black | 568.87 |
| TOAC2005 | Category 6, Outdoor Aerial/Duct, 1,000ft (304.8m) Reel, 4 Pr. Solid | | Black | 454.89 |
| TOC35911 | Category 6, Outdoor, 1,000ft (304.8m) Reel, 4 Pr. Solid | | Black | 299.46 |

What is the difference in flammability ratings?

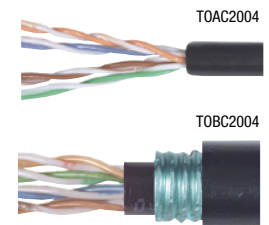
Online Video

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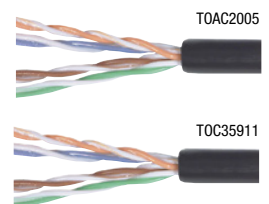
Category 5e



Outdoor Category 5e



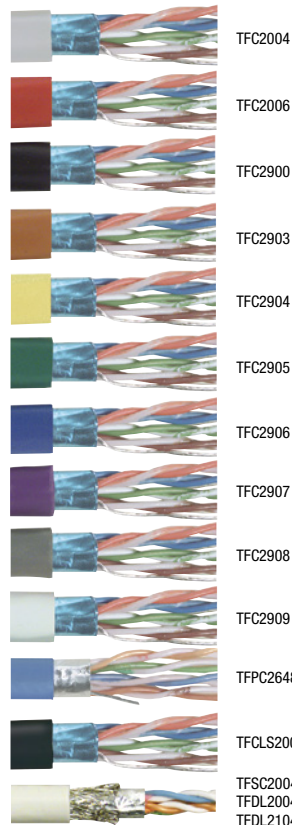
Outdoor Category 6


Tip What is the difference in flammability ratings?

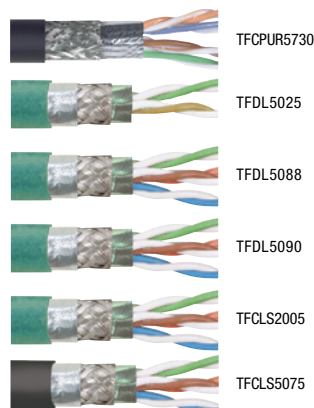
Shown below is a comparison between NEC® National Electrical Code articles and the corresponding UL® Underwriters Laboratories test methods. Be sure to consult your local electrical inspector for guidance on current code requirements.

| PLENUM | RISER | GENERAL PURPOSE | RESIDENTIAL |
|---|--|--|---|
| <ul style="list-style-type: none"> Highest flame resistance Suitable for use in areas designated as plenums UL-910 Steiner tunnel flame test | <ul style="list-style-type: none"> Suitable for vertical installation between building floors NEC Communications Cable Code: CMR | <ul style="list-style-type: none"> Used in broad applications NEC Communications Cable Code: CMG UL-1581 Vertical tray flame test | <ul style="list-style-type: none"> Lowest flame resistance NEC Communications Cable Code: CMX UL-1581 VW-1 Vertical flame test |

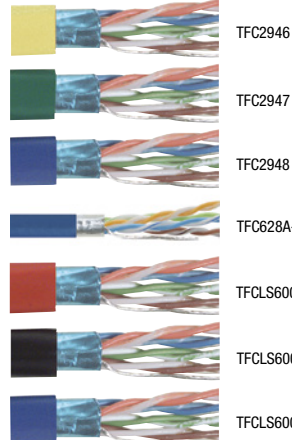
Screened Category 5e



Industrial Category 5e

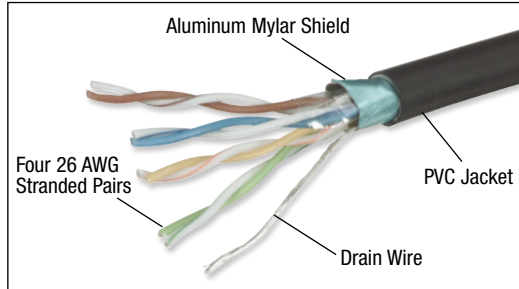
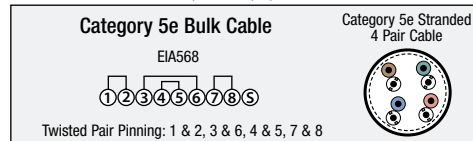


Screened Category 6a



Shielded F (UTP) 5e to 100 MHz Bulk Cable - Help Suppress Noise in Networks - 2 and 4 Pair

Screened (shielded) twisted pair is ideal for use in environments where EMI/RFI is a concern. A foil wrap with a drain wire protects signals from external noise. Available in stranded 26 AWG conductor with PVC and Low Smoke Zero Halogen jackets. Double shielded (foil + braid) 24 AWG solid is now available for use where extra noise protection is required. Plenum version is 24 AWG solid conductor. Sold in 1000' (304.8m) spools.



| Item # | Description | Color | List Price |
|--|--|----------|------------|
| Category 5e PVC Bulk Cable with Foil Shield | | | |
| TFC2002 | Category 5e Shielded, 2-pr. Stranded PVC 26 AWG, 1,000ft (304.8m) Reel | Beige | 299.46 |
| TFC2004 | Category 5e Shielded, 4-pr. Stranded PVC 26 AWG, 1,000ft (304.8m) Reel | Lt. Gray | 258.01 |
| TFC2006 | Category 5e Shielded, 4-pr. Stranded PVC 26 AWG, 1,000ft (304.8m) Reel | Red | 258.01 |
| TFC2900 | Category 5e Shielded, 4-pr. Stranded PVC 26 AWG, 1,000ft (304.8m) Reel | Black | 258.01 |
| TFC2901 | Category 5e Shielded, 4-pr. Stranded PVC 26 AWG, 1,000ft (304.8m) Reel | Brown | 258.01 |
| TFC2903 | Category 5e Shielded, 4-pr. Stranded PVC 26 AWG, 1,000ft (304.8m) Reel | Orange | 258.01 |
| TFC2904 | Category 5e Shielded, 4-pr. Stranded PVC 26 AWG, 1,000ft (304.8m) Reel | Yellow | 258.01 |
| TFC2905 | Category 5e Shielded, 4-pr. Stranded PVC 26 AWG, 1,000ft (304.8m) Reel | Green | 258.01 |
| TFC2906 | Category 5e Shielded, 4-pr. Stranded PVC 26 AWG, 1,000ft (304.8m) Reel | Blue | 258.01 |
| TFC2907 | Category 5e Shielded, 4-pr. Stranded PVC 26 AWG, 1,000ft (304.8m) Reel | Violet | 258.01 |
| TFC2908 | Category 5e Shielded, 4-pr. Stranded PVC 26 AWG, 1,000ft (304.8m) Reel | Gray | 258.01 |
| TFC2909 | Category 5e Shielded, 4-pr. Stranded PVC 26 AWG, 1,000ft (304.8m) Reel | White | 258.01 |

Category 5e Plenum Bulk Cable with Foil Shield

| | | | |
|----------|--|------|--------|
| TFPC2648 | Category 5e, 4-pr. Solid Plenum, 1,000ft (304.8m) Reel | Blue | 413.44 |
|----------|--|------|--------|

Category 5e PVC Bulk Cable with Foil + Braid Shielding

| | | | |
|----------|---|-------|--------|
| TFSC2004 | Category 5e Shielded, 4-pr. Solid PVC 24 AWG, 1,000ft (304.8m) Reel | Ivory | 361.63 |
|----------|---|-------|--------|

Category 5e Low Smoke Zero Halogen Bulk Cable with Foil Shield

| | | | |
|-----------|--|-------|--------|
| TFCLS2004 | Category 5e Shielded, 4-pr. Stranded LSZH, 1,000ft (304.8m) Reel | Black | 496.34 |
|-----------|--|-------|--------|

Category 5e Low Smoke Zero Halogen Bulk Cable with Foil + Braid Shielding

| | | | |
|----------|---|----------|--------|
| TFDL2004 | Category 5e Shielded, 4-pr. Stranded LSZH 26 AWG, 1,000ft (304.8m) Reel | Lt. Gray | 517.06 |
| TFDL2104 | Category 5e Shielded, 4-pr. Solid LSZH 24 AWG, 1,000ft (304.8m) Reel | Lt. Gray | 413.44 |

Category 5e PUR Double Shielded Industrial Ethernet Bulk Cable

| | | | |
|------------|---|-------|--------|
| TFCPUR5730 | Category 5e, Double Shielded, PUR 4-pr. Stranded, 26 AWG, 1,000ft (305m) Reel | Black | 983.35 |
|------------|---|-------|--------|

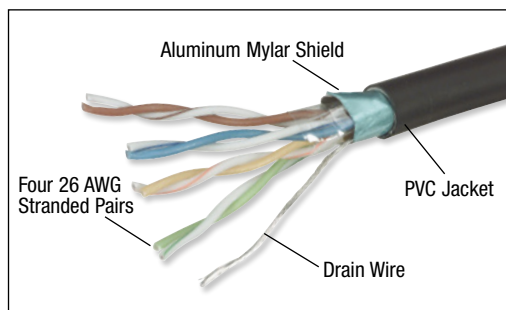
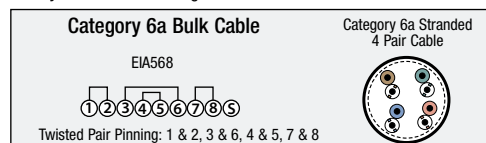
Category 5e Shielded Continuous Hi-Flex Oil Resistant Industrial Ethernet Bulk Cable

Designed for environments where ordinary cables fail, these exclusive ultra flexible Category 5e shielded bulk cables are built to take a beating. These Hi-Flex cables will not breakdown when exposed to oil based lubricants making them ideal for robotic control systems on the factory floor. Our cables are tested to 10 Million flex cycles (20 X cable O.D. min radius).

| | | | |
|-----------|---|-------|---------|
| TFDL5025 | Category 5e Double Shielded, 2-pr. Stranded CMX Rated Hi-Flex, 24 AWG, 1,000ft (304.8m) Reel | Teal | 865.00 |
| TFDL5088 | Category 5e, Double Shielded, 4-pr. Stranded CMX Rated Hi-Flex, 26 AWG, 1,000ft (304.8m) Reel | Teal | 1170.85 |
| TFDL5090 | Category 5e, Double Shielded, 4-pr. Stranded CMX Rated Hi-Flex, 24 AWG, 1,000ft (304.8m) Reel | Teal | 1129.95 |
| TFCLS2005 | Category 5e Shielded, 4-pr. Stranded Extreme Hi-Flex, 26 AWG, 1,000ft (304.8m) Reel | Teal | 1501.45 |
| TFCLS5075 | Category 5e Shielded, 4-pr. Stranded Extreme Hi-Flex, 26 AWG, 1,000ft (304.8m) Reel | Black | 1501.45 |

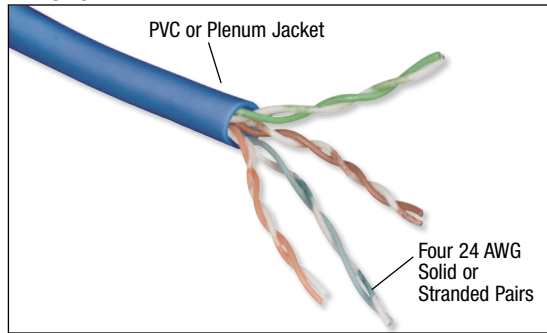
Category 6a High Performance Shielded Bulk Cable

For Protection against EMI/RFI interference L-com's High-Performance Category 6a foil shielded bulk cable is the perfect choice. Surpassing the Category 6 standard, this Category 6a cable is designed for 10 gigabit networks. With a 100% foil shield covering 4-Pair 26 AWG stranded conductors, your data is protected from interference. Designed to exceed EIA568B standards, this cable will easily handle 10 Gigabit Ethernet applications. Contact us today for all of your network cabling needs.

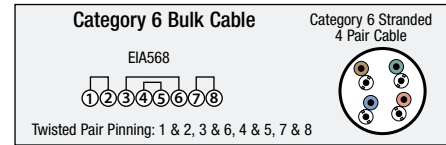


| | | | |
|---------------|--|--------|--------|
| TFC2942 | Category 6a Shielded, 4-pr. Stranded PVC 26 AWG, 1,000ft (305m) Reel | Black | 435.15 |
| TFC2944 | Category 6a Shielded, 4-pr. Stranded PVC 26 AWG, 1,000ft (305m) Reel | Red | 435.15 |
| TFC2946 | Category 6a Shielded, 4-pr. Stranded PVC 26 AWG, 1,000ft (305m) Reel | Yellow | 435.15 |
| TFC2947 | Category 6a Shielded, 4-pr. Stranded PVC 26 AWG, 1,000ft (305m) Reel | Green | 435.15 |
| TFC2948 | Category 6a Shielded, 4-pr. Stranded PVC 26 AWG, 1,000ft (305m) Reel | Blue | 435.15 |
| TFC2950 | Category 6a Shielded, 4-pr. Stranded PVC 26 AWG, 1,000ft (305m) Reel | Gray | 435.15 |
| TFC628A-BL | Category 6a Shielded, 4-pr. Stranded PVC 28 AWG Slim-Line, 1,000ft (305m) Reel | Blue | 259.00 |
| TFCLS6005-RED | Category 6a Shielded 4-pr. Stranded LSZH 26 AWG, 1,000ft (305m) Reel | Red | 744.00 |
| TFCLS6005-BLK | Category 6a Shielded 4-pr. Stranded LSZH 26 AWG, 1,000ft (305m) Reel | Black | 744.00 |
| TFCLS6005-BLU | Category 6a Shielded 4-pr. Stranded LSZH 26 AWG, 1,000ft (305m) Reel | Blue | 744.00 |

Category 6 to 250 MHz UTP Bulk Cable - Maximum Performance for LAN Environments



Maximize performance in your next cabling project with L-com's Category 6 twisted pair cabling. Designed for today's hi-speed gigabit networks. This series is EIA568 color-coded for compatibility with standard installations. Solid conductors terminate easily into standard IDC connectors and panels. Designed to exceed EIA568B standards, this cable will easily handle Gigabit Ethernet applications.

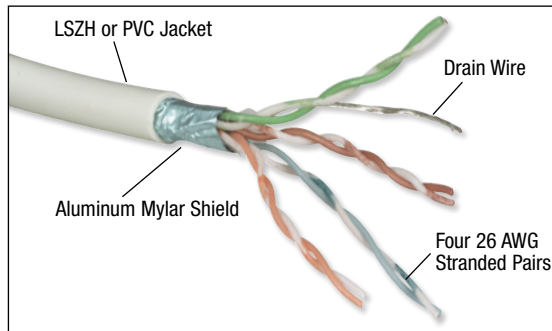


| FREQUENCY | NEAR END CROSSTALK (NEXT) | POWER SUM NEXT LOSS | EQUAL LEVEL FAR END CROSSTALK (EFEXT) | POWER SUM EFEXT | INSERTION LOSS | ATTENUATION | IMPEDANCE |
|-----------|---------------------------|---------------------|---------------------------------------|-----------------|----------------|-------------|------------------------|
| 4 MHz | 65.3 db | 63.3 db | 55.8 db | 52.8 db | 3.8 db | 3.8 db | 100 Ohms \pm 15 Ohms |
| 10 MHz | 59.3 db | 57.3 db | 47.8 db | 44.8 db | 6.0 db | 6.0 db | 100 Ohms \pm 15 Ohms |
| 20 MHz | 54.8 db | 52.8 db | 41.8 db | 38.8 db | 8.5 db | 8.6 db | 100 Ohms \pm 15 Ohms |
| 100 MHz | 44.3 db | 42.3 db | 27.8 db | 24.8 db | 19.8 db | 20.2 db | 100 Ohms \pm 15 Ohms |
| 250 MHz | 38.3 db | 36.3 db | 19.8 db | 16.8 db | 32.8 db | 33.8 db | 100 Ohms \pm 15 Ohms |

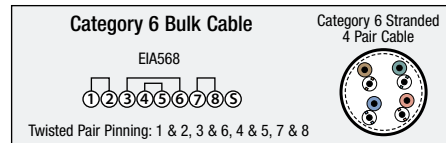
This table refers to the electrical specifications of TPC2756, other Category 6 cabling is similar.

| Item # | Description | Color | List Price |
|----------|---|-------|------------|
| TC5050 | Category 6, PVC, 1,000ft (304.8m) Reel, 4 Pr. Stranded | Blue | 226.93 |
| TPC2756 | Category 6, Plenum, 1,000ft (304.8m) Pull Box, 4 Pr. Solid | Blue | 309.82 |
| TC628-BL | Category 6, UTP PVC, 1,000ft (304.8m) Reel, 4 Pr. Stranded, 28AWG Slim-line | Blue | 179.00 |

Category 6 Hi-Speed Shielded Network Bulk Cable



For Protection against EMI/RFI interference L-com's High-Performance Category 6 Shielded bulk cable is the perfect choice. Designed for today's hi-speed gigabit networks, this Category 6 cable from L-com is made to out-perform all others. With a 100% foil shield covering 4-Pair 26 AWG stranded conductors, your data is protected from interference. Designed to exceed EIA568B standards, this cable will easily handle Gigabit Ethernet applications.



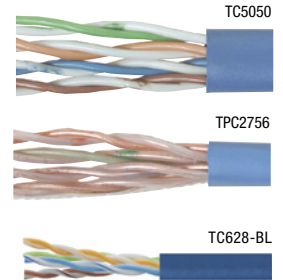
| | | | |
|-----------|--|--------|--------|
| TFC2930 | Category 6 Shielded, 4 Pr. Stranded PVC 26 AWG, 1,000ft (304.8m) Reel | Black | 361.63 |
| TFC2932 | Category 6 Shielded, 4 Pr. Stranded PVC 26 AWG, 1,000ft (304.8m) Reel | Red | 361.63 |
| TFC2934 | Category 6 Shielded, 4 Pr. Stranded PVC 26 AWG, 1,000ft (304.8m) Reel | Yellow | 361.63 |
| TFC2936 | Category 6 Shielded, 4 Pr. Stranded PVC 26 AWG, 1,000ft (304.8m) Reel | Blue | 361.63 |
| TFC2940 | Category 6 Shielded, 4 Pr. Stranded PVC 26 AWG, 1,000ft (304.8m) Reel | Beige | 361.63 |
| TFC6101 | Category 6 Shielded, 4 Pr. Stranded PVC 26 AWG, 1,000ft (304.8m) Reel | Gray | 361.63 |
| TFCLS6001 | Category 6 Shielded, 4 Pr. Stranded LSZH 26 AWG, 1,000ft (304.8m) Reel | Gray | 538.77 |

What is the difference in flammability ratings?

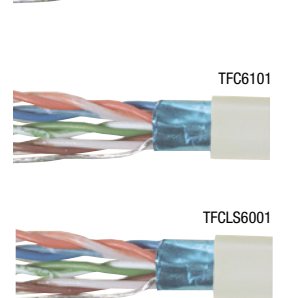
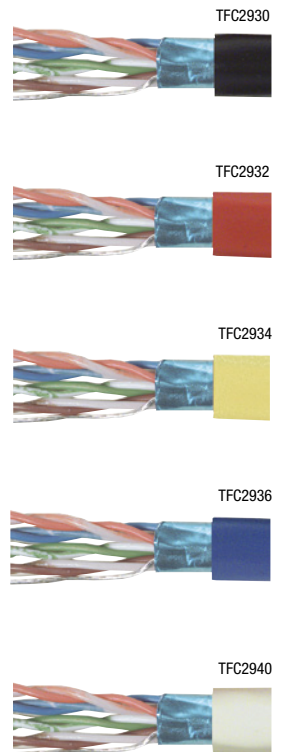
Online Video

L-com.com/Videos/A20

Category 6



Category 6 Hi-Speed



Tip Solid vs Stranded Center Conductors

Online Video

L-com.com/Videos/A19

In network cabling there are two distinct types of cable that are offered. Each type of cable has advantages and disadvantages:

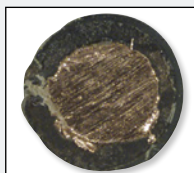
Stranded cable, used on workstation patch cords, is very flexible and easily bends but has a slightly higher attenuation factor.

Solid cable, used in horizontal runs, is stiff but offers better transmission performance.

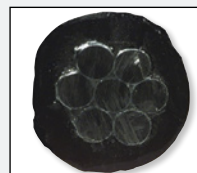
Comparison Between Solid and Stranded Conductor Cable

| | Solid Conductor Cable | Stranded Conductor Cable |
|---------------|---|--|
| Advantages | Lowest Cost Best Transmission Performance Terminates to IDC110 Blocks/Jacks | Very Flexible Easy Plug Termination |
| Disadvantages | Not Flexible Difficult to terminate to plug | Higher Cost Recommended Distance (<10m) Higher Attenuation Cannot connect to IDC 110 blocks |

Solid Conductor Cable



Stranded Conductor Cable



What is the difference between stranded and solid cable?

Online Video

L-com.com/Videos/A19

Category 3

TPC4757



TPC4759



TSC9720



TSC9738



Flat Modular Cord

TDB4-500



TDB6-500



TDB8-500

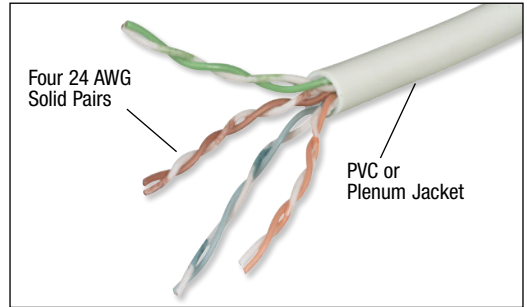
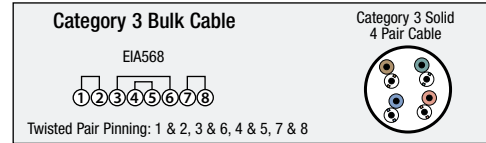


TDB10-1000



Category 3 to 16 MHz - Medium Speed UTP - 2, 3, 4, 12 and 25 Pair Solid Conductor

Category 3 twisted pair cabling is the perfect choice to control cost when low speed telephone or data is required. This PVC-jacketed cable is EIA568 color-coded for compatibility with standard installations. Category 3 cabling is perfect for telephone and low speed data applications. Solid conductors terminate easily into standard IDC connectors and panels. Available in PVC or Plenum rated jacket styles.



| FREQUENCY | NEAR END CROSS TALK (NEXT) | ATTENUATION | CAPACITANCE | IMPEDANCE |
|-----------|----------------------------|---------------------|--------------|--------------------|
| 1 MHz | 41 db min. | 2.6 db/330 ft max. | 20 pF/ft Max | 100 Ohms ± 15 Ohms |
| 4 MHz | 32 db min. | 5.6 db/330 ft max. | 20 pF/ft Max | 100 Ohms ± 15 Ohms |
| 10 MHz | 26 db min. | 9.7 db/330 ft max. | 20 pF/ft Max | 100 Ohms ± 15 Ohms |
| 16 MHz | 23 db min. | 13.1 db/330 ft max. | 20 pF/ft Max | 100 Ohms ± 15 Ohms |

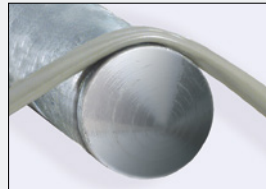
| Item # | Description | Color | List Price |
|---------|--|-------|------------|
| TPC4757 | Category 3, Plenum Bulk, 1,000ft (304.8m) Box, 3 Pr. Solid | Green | 124.29 |
| TPC4759 | Category 3, Plenum Bulk, 1,000ft (304.8m) Box, 4 Pr. Solid | Gray | 129.95 |

100 Ohm T1 Cables

Reduce interference for T1/E1 communication with 2 pair cable with individually shielded pairs (FTP). Cables are Telcordia GR 137-CORE compliant. Unique two-layer insulator allows for termination into RJ45 plugs.

| | | | |
|---------|---|------|---------|
| TSC9720 | 2 100 Ohm (T1) Shielded Pair, PVC 1,000ft Reel | Gray | 435.15 |
| TSC9738 | 2 100 Ohm (T1) Shielded Pair, Plenum 1,000ft Reel | Gray | 1160.49 |

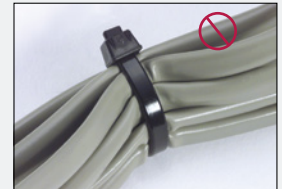
Tip UTP and STP installation guidelines



The minimum recommended bend radius for UTP is typically 10 times the cable's OD (Outside Diameter).



DO NOT twist the cable



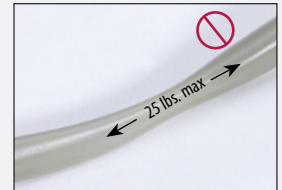
DO NOT overtighten wire ties



DO NOT bend cable greater than 90 degrees



DO NOT use a stapler for installations



DO NOT stretch or apply pull force greater than 25 lbs (11.4kg).

Flat Modular Cord - 26 AWG Stranded - 4, 6, 8 and 10 Conductors

Flat modular (POTS) cable is suitable for voice and low speed data applications. Flat oval design permits fast stripping and crimping of modular plugs. Cable construction features flexible PVC jacketing. Available in popular 4, 6, 8 and 10 conductor counts. UL listed. Sold in 100' (30.5m), 500' (152.4m) and 1000' (304.8m) spools.

| | | | |
|----------|---|------|-------|
| TDB4-100 | 4 Conductor Flat Modular Cord, PVC Bulk, 100ft (30.5m) Coil | Gray | 12.38 |
| TDB6-100 | 6 Conductor Flat Modular Cord, PVC Bulk, 100ft (30.5m) Coil | Gray | 18.60 |
| TDB8-100 | 8 Conductor Flat Modular Cord, PVC Bulk, 100ft (30.5m) Coil | Gray | 27.93 |

| | | | |
|----------|--|------|-------|
| TDB4-500 | 4 Conductor Flat Modular Cord, PVC Bulk, 500ft (152.4m) Reel | Gray | 43.47 |
| TDB6-500 | 6 Conductor Flat Modular Cord, PVC Bulk, 500ft (152.4m) Reel | Gray | 72.48 |
| TDB8-500 | 8 Conductor Flat Modular Cord, PVC Bulk, 500ft (152.4m) Reel | Gray | 93.21 |

| | | | |
|------------|---|------|--------|
| TDB4-1000 | 4 Conductor Flat Modular Cord, PVC Bulk, 1,000ft (304.8m) Reel | Gray | 82.84 |
| TDB6-1000 | 6 Conductor Flat Modular Cord, PVC Bulk, 1,000ft (304.8m) Reel | Gray | 126.36 |
| TDB8-1000 | 8 Conductor Flat Modular Cord, PVC Bulk, 1,000ft (304.8m) Reel | Gray | 176.10 |
| TDB10-1000 | 10 Conductor Flat Modular Cord, PVC Bulk, 1,000ft (304.8m) Reel | Gray | 207.19 |

| Item # | Description | Wiring | 1-9 | 10-24 | 25-99 | 100+ |
|---|---|--------|--------|--------|--------|------|
| Flat Modular Cord -26 AWG Stranded -4, 6, 8 and 10 Conductors | | | | | | |
| Flat modular (POTS) cable is suitable for voice and low speed data applications. Flat oval design permits fast stripping and crimping of modular plugs. Cable construction features flexible PVC jacketing. Available in popular 4, 6, 8 and 10 conductor counts. UL listed. Sold in 100' (30.5m), 500' (152.4m) and 1000' (304.8m) spools. | | | | | | |
| TDC350FF-5 | Cat3, Telco Cable, 90° Female/90° Female, 5.0ft (1.5m) | A | 36.26 | 33.36 | 30.46 | CALL |
| TDC350FF-10 | Cat3, Telco Cable, 90° Female/90° Female, 10.0ft (3.0m) | A | 41.44 | 38.12 | 34.81 | CALL |
| TDC350FF-15 | Cat3, Telco Cable, 90° Female/90° Female, 15.0ft (4.6m) | A | 48.69 | 44.80 | 40.90 | CALL |
| TDC350FF-25 | Cat3, Telco Cable, 90° Female/90° Female, 25.0ft (7.6m) | A | 62.06 | 57.09 | 52.13 | CALL |
| TDC350FF-50 | Cat3, Telco Cable, 90° Female/90° Female, 50.0ft (15.2m) | A | 97.08 | 89.32 | 81.55 | CALL |
| TDC350FF-100 | Cat3, Telco Cable, 90° Female/90° Female, 100.0ft (30.5m) | A | 162.57 | 149.56 | 136.56 | CALL |
| TDC350MM-5 | Cat3, Telco Cable, 90° Male/90° Male, 5.0ft (1.5m) | A | 36.26 | 33.36 | 30.46 | CALL |
| TDC350MM-10 | Cat3, Telco Cable, 90° Male/90° Male, 10.0ft (3.0m) | A | 41.44 | 38.12 | 34.81 | CALL |
| TDC350MM-15 | Cat3, Telco Cable, 90° Male/90° Male, 15.0ft (4.6m) | A | 48.69 | 44.80 | 40.90 | CALL |
| TDC350MM-25 | Cat3, Telco Cable, 90° Male/90° Male, 25.0ft (7.6m) | A | 62.06 | 57.09 | 52.13 | CALL |
| TDC350MM-50 | Cat3, Telco Cable, 90° Male/90° Male, 50.0ft (15.2m) | A | 97.08 | 89.32 | 81.55 | CALL |
| TDC350MM-100 | Cat3, Telco Cable, 90° Male/90° Male, 100.0ft (30.5m) | A | 162.57 | 149.56 | 136.56 | CALL |
| TDC550MM-5 | Cat5, Telco Cable, 180° Male/180° Male, 5.0ft (1.5m) | A | 100.19 | 94.18 | 88.17 | CALL |
| TDC550MM-10 | Cat5, Telco Cable, 180° Male/180° Male, 10.0ft (3.0m) | A | 111.38 | 104.70 | 98.02 | CALL |
| TDC550MM-15 | Cat5, Telco Cable, 180° Male/180° Male, 15.0ft (4.6m) | A | 122.57 | 115.22 | 107.86 | CALL |
| TDC550MM-25 | Cat5, Telco Cable, 180° Male/180° Male, 25.0ft (7.6m) | A | 159.05 | 149.50 | 139.96 | CALL |
| TDC550MM-50 | Cat5, Telco Cable, 180° Male/180° Male, 50.0ft (15.2m) | A | 237.69 | 223.43 | 209.17 | CALL |
| TDC550MM-100 | Cat5, Telco Cable, 180° Male/180° Male, 100.0ft (30.5m) | A | 392.61 | 369.05 | 345.49 | CALL |

Category 3, Octopus Cables - Convert 25-Pair Telco to a Variety of Modular Cable Breakouts

This is a useful cable arrangement that allows conversion from a 90° 50 pin Telco connector to a variety of modular cables terminated with male RJ plugs having 2, 4, 6 or 8 active pins. All cables are three feet (0.9m) long. Wired per USOC Standard. Category 3 rated.

| | | | | | | |
|----------|--|---|--------|-------|-------|------|
| TDC50M62 | Cat3 Telco Breakout Cable, Male Telco/25 (6x2), 3.0ft (0.9m) | B | 101.23 | 95.15 | 89.08 | CALL |
| TDC50M64 | Cat3 Telco Breakout Cable, Male Telco/12 (6x4), 3.0ft (0.9m) | C | 73.25 | 68.85 | 64.46 | CALL |
| TDC50M66 | Cat3 Telco Breakout Cable, Male Telco/8 (6x6), 3.0ft (0.9m) | D | 67.65 | 63.59 | 59.54 | CALL |
| TDC50M88 | Cat3 Telco Breakout Cable, Male Telco/6 (8x8), 3.0ft (0.9m) | E | 67.65 | 63.59 | 59.54 | CALL |
| TDC50F62 | Cat3 Telco Breakout Cable, Female Telco/25 (6x2), 3.0ft (0.9m) | B | 101.23 | 95.15 | 89.08 | CALL |
| TDC50F64 | Cat3 Telco Breakout Cable, Female Telco/12 (6x4), 3.0ft (0.9m) | C | 73.25 | 68.85 | 64.46 | CALL |
| TDC50F66 | Cat3 Telco Breakout Cable, Female Telco/8 (6x6), 3.0ft (0.9m) | D | 67.65 | 63.59 | 59.54 | CALL |
| TDC50F88 | Cat3 Telco Breakout Cable, Female Telco/6 (8x8), 3.0ft (0.9m) | E | 67.65 | 63.59 | 59.54 | CALL |

50 Position Slim-Line Gender Changers - Mate with SCSI-1 and 50 Position Telco Connectors

| | | | | | |
|---------|---|-------|-------|-------|------|
| DGC50F | 50 Pin SCSI Gender Changer, Female/Female | 13.77 | 12.67 | 11.57 | CALL |
| DGC50M | 50 Pin SCSI Gender Changer, Male/Male | 13.77 | 12.67 | 11.57 | CALL |
| DGC50MF | 50 Pin SCSI Telco Socket Saver, Male/Female | 13.77 | 12.67 | 11.57 | CALL |

Harmonica Style Cluster Bars - An Efficient Way to Distribute Your 25 Pair Lines

Break out your 50 pin Telco terminated cabling by connecting to a harmonica style cluster bar. These units use one male or female 25 pair Telco connector as input and 6, 8 or 12 modular jacks as output. Two holes for screw mounting or 2-sided tape may be used. Connector has Hook and Loop hold-down straps to eliminate screw tightening. USOC and 10Base-T wiring only.

| | | | | | | |
|---------------|---|----------|-------|-------|-------|------|
| EC412M | Telco Harmonica 12 RJ11 (6x4)/50 Pin Male | USOC | 34.14 | 30.73 | 27.31 | CALL |
| EC808M | Telco Harmonica 8 RJ12 (6x6)/50 Pin Male | USOC | 33.11 | 29.80 | 26.49 | CALL |
| EC806M | Telco Harmonica 6 RJ45 (8x8)/50 Pin Male | USOC | 36.22 | 32.59 | 28.97 | CALL |
| EC412F | Telco Harmonica 12 RJ11 (6x4)/50 Pin Female | USOC | 33.11 | 29.80 | 26.49 | CALL |
| EC808F | Telco Harmonica 8 RJ12 (6x6)/50 Pin Female | USOC | 33.11 | 29.80 | 26.49 | CALL |
| EC806F | Telco Harmonica 6 RJ45 (8x8)/50 Pin Female | USOC | 36.22 | 32.59 | 28.97 | CALL |
| E412F10BASE-T | Telco Harmonica 12 RJ45 (8x4)/50 Pin Female | 10Base-T | 46.58 | 42.85 | 39.12 | CALL |

19" (48.3cm) x 1.75" (4.4cm) Modular Patch Panel - 2, 3, or 4 Harmonicas Mounted in Low Profile Panel

These exclusive 19" (48.3cm) x 1.75" (4.4cm) panels come loaded with 2, 3, or 4 harmonica cluster bars. Panels are steel construction for durability and have a shelf in back for cable mounting. Black with white imprinting.

| | | | | | | |
|--------------|--|----------|--------|--------|--------|------|
| ECHL24-4M | 1.75" (4.4cm) Panel with 2 EC412M | USOC | 113.93 | 109.37 | 104.82 | CALL |
| ECHL24-6M | 1.75" (4.4cm) Panel with 3 EC808M | USOC | 148.12 | 142.20 | 136.27 | CALL |
| ECHL24-4F | 1.75" (4.4cm) Panel with 2 EC412F | USOC | 113.93 | 109.37 | 104.82 | CALL |
| ECHL24-8F | 1.75" (4.4cm) Panel with 4 EC806F | USOC | 159.52 | 153.14 | 146.76 | CALL |
| ECHL24-10BTF | 1.75" (4.4cm) Panel with 2 EC412F 10Base-T | 10Base-T | 136.73 | 131.26 | 125.79 | CALL |

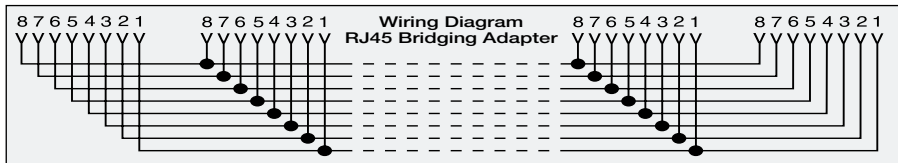
Harmonica Style Bridging Adapters - For RJ45 Modular Equipped Cables

Your choice of 6 or 12 port bridging adapters. The RJ45 (8x8) lines are all wired in parallel.

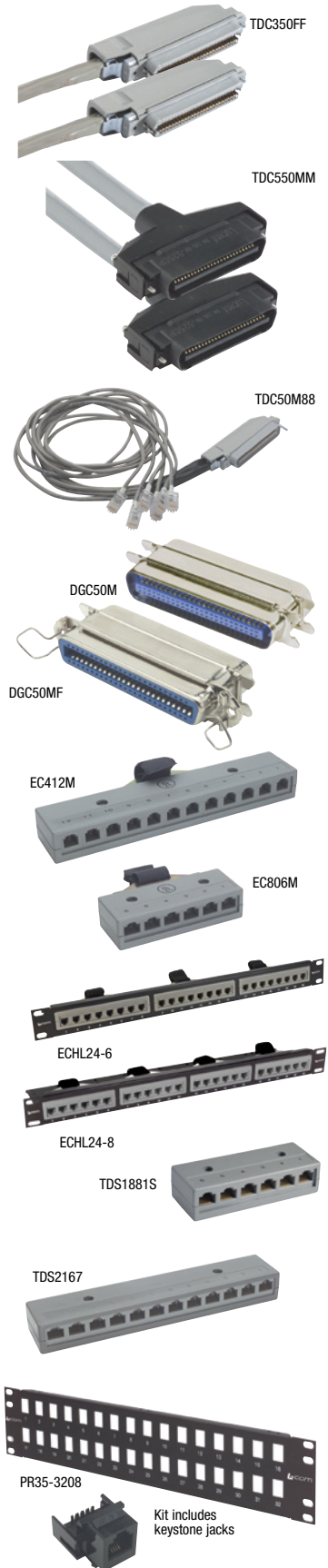
| | | | | | |
|----------|-------------------------------------|-------|-------|-------|------|
| TDS1881S | 6 Way Bridging Adapter, RJ45 (8x8) | 30.57 | 28.12 | 25.68 | CALL |
| TDS2167 | 12 Way Bridging Adapter, RJ45 (8x8) | 43.47 | 42.16 | 40.86 | CALL |

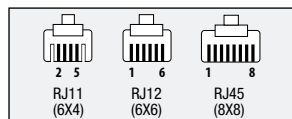
19" (48.3cm) x 1.75" (4.4cm) Modular Bridging Panels - Equipped with 6 or 12 Way Bridging Adapters

| | | | | | |
|----------|---|--------|--------|--------|------|
| ECHL1881 | 1.75" (4.4cm) Panel with 4-6 Way (8x8) Bridging Adapters | 148.12 | 142.20 | 136.27 | CALL |
| ECHL2167 | 1.75" (4.4cm) Panel with 2-12 Way (8x8) Bridging Adapters | 125.33 | 120.32 | 115.30 | CALL |



| Item # | Description | List Price |
|--|---|------------|
| Voice Grade Keystone Jack and Panel Kit Assortment - At Significant Savings | | |
| These kits include a pre-punched 19" (48.3cm) rack panel and appropriate number of keystone jacks to complete the assembly. Keystone jacks use insulation displacement contacts and each connector has 30 microinches (0.762µm) of gold on jack mating surfaces. Panel color is black. | | |
| PR175-1606 | 1.75" (4.4cm) x 19" (48.3cm) Panel Kit with 16 RJ12 (6x6) Keystone Jacks | 67.30 |
| PR35-3206 | 3.50" (48.3cm) x 19" (48.3cm) Panel Kit with 32 RJ12 (6x6) Keystone Jacks | 90.10 |
| PR175-1608 | 1.75" (4.4cm) x 19" (48.3cm) Panel Kit with 16 RJ45 (8x8) Keystone Jacks | 131.55 |
| PR35-3208 | 3.50" (48.3cm) x 19" (48.3cm) Panel Kit with 32 RJ45 (8x8) Keystone Jacks | 170.92 |





TDC019



TDC029



TDC005



TDC018



TDC028



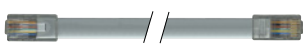
TDC004



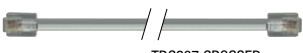
TDC301 STRAIGHT-THRU



TDC057 STRAIGHT-THRU



TDC053 STRAIGHT-THRU



TDC207 CROSSED



TDC027 CROSSED



TDC003 CROSSED

| Item # | Description | 1-9 | 10-24 | 25-99 | 100+ |
|--------|-------------|-----|-------|-------|------|
|--------|-------------|-----|-------|-------|------|

Flat Silver Satin Modular Cable - Plug to Tinned Wires

Silver satin flat modular cords with one modular plug and pre-tinned wires. Choose four conductor (RJ11), six conductor (RJ12) or eight conductor (RJ45).

| | | | | | |
|----------|---|------|------|------|------|
| TDC019-1 | Flat Modular Cable, RJ11 (6x4)/Tinned End, 1.0ft (0.3m) | 2.06 | 2.02 | 1.94 | CALL |
| TDC019-2 | Flat Modular Cable, RJ11 (6x4)/Tinned End, 2.0ft (0.7m) | 2.27 | 2.22 | 2.13 | CALL |
| TDC019-7 | Flat Modular Cable, RJ11 (6x4)/Tinned End, 7.0ft (2.1m) | 2.68 | 2.63 | 2.52 | CALL |

| | | | | | |
|-----------|--|------|------|------|------|
| TDC029-1 | Flat Modular Cable, RJ12 (6x6)/Tinned End, 1.0ft (0.3m) | 2.89 | 2.83 | 2.72 | CALL |
| TDC029-2 | Flat Modular Cable, RJ12 (6x6)/Tinned End, 2.0ft (0.7m) | 3.20 | 3.14 | 3.01 | CALL |
| TDC029-7 | Flat Modular Cable, RJ12 (6x6)/Tinned End, 7.0ft (2.1m) | 4.03 | 3.95 | 3.79 | CALL |
| TDC029-14 | Flat Modular Cable, RJ12 (6x6)/Tinned End, 14.0ft (4.3m) | 5.79 | 5.68 | 5.44 | CALL |

| | | | | | |
|-----------|--|------|------|------|------|
| TDC005-1 | Flat Modular Cable, RJ45 (8x8)/Tinned End, 1.0ft (0.3m) | 3.51 | 3.44 | 3.30 | CALL |
| TDC005-2 | Flat Modular Cable, RJ45 (8x8)/Tinned End, 2.0ft (0.7m) | 3.82 | 3.75 | 3.59 | CALL |
| TDC005-7 | Flat Modular Cable, RJ45 (8x8)/Tinned End, 7.0ft (2.1m) | 5.17 | 5.07 | 4.86 | CALL |
| TDC005-14 | Flat Modular Cable, RJ45 (8x8)/Tinned End, 14.0ft (4.3m) | 7.24 | 7.10 | 6.81 | CALL |

Flat Silver Satin Modular Cable - Plug to Spade Lugs

Silver satin flat modular cords with one modular plug and uninsulated spade lugs. Great for terminating to screw terminals. Choose four conductor (RJ11), six conductor (RJ12) or eight conductor (RJ45).

| | | | | | |
|----------|--|------|------|------|------|
| TDC018-1 | Flat Modular Cable, RJ11 (6x4)/Spade Lug, 1.0ft (0.3m) | 2.06 | 2.02 | 1.94 | CALL |
| TDC018-2 | Flat Modular Cable, RJ11 (6x4)/Spade Lug, 2.0ft (0.7m) | 2.27 | 2.22 | 2.13 | CALL |
| TDC018-7 | Flat Modular Cable, RJ11 (6x4)/Spade Lug, 7.0ft (2.1m) | 2.68 | 2.63 | 2.52 | CALL |

| | | | | | |
|-----------|---|------|------|------|------|
| TDC028-1 | Flat Modular Cable, RJ12 (6x6)/Spade Lug, 1.0ft (0.3m) | 2.89 | 2.83 | 2.72 | CALL |
| TDC028-2 | Flat Modular Cable, RJ12 (6x6)/Spade Lug, 2.0ft (0.7m) | 3.20 | 3.14 | 3.01 | CALL |
| TDC028-7 | Flat Modular Cable, RJ12 (6x6)/Spade Lug, 7.0ft (2.1m) | 4.34 | 4.25 | 4.08 | CALL |
| TDC028-14 | Flat Modular Cable, RJ12 (6x6)/Spade Lug, 14.0ft (4.3m) | 5.79 | 5.68 | 5.44 | CALL |

| | | | | | |
|----------|--|------|------|------|------|
| TDC004-2 | Flat Modular Cable, RJ45 (8x8)/Spade Lug, 2.0ft (0.7m) | 3.82 | 3.75 | 3.59 | CALL |
| TDC004-7 | Flat Modular Cable, RJ45 (8x8)/Spade Lug, 7.0ft (2.1m) | 5.17 | 5.07 | 4.86 | CALL |

Flat Silver Satin Modular Cable - Plug to Plug, Straight-thru Wiring

Silver satin flat modular cords with two modular plugs. Wired straight-thru (1-1, 2-2, 3-3...) for most low speed data applications. Choose four conductor (RJ11), six conductor (RJ12) or eight conductor (RJ45).

| | | | | | |
|--------|--|------|------|------|------|
| TDC301 | Flat Modular Cable, RJ11 (6x4)/RJ11 (6x4), 1.0ft (0.3m) | 2.06 | 2.02 | 1.94 | CALL |
| TDC302 | Flat Modular Cable, RJ11 (6x4)/RJ11 (6x4), 2.0ft (0.7m) | 2.27 | 2.22 | 2.13 | CALL |
| TDC303 | Flat Modular Cable, RJ11 (6x4)/RJ11 (6x4), 3.0ft (0.9m) | 2.37 | 2.33 | 2.23 | CALL |
| TDC305 | Flat Modular Cable, RJ11 (6x4)/RJ11 (6x4), 5.0ft (1.5m) | 2.58 | 2.53 | 2.43 | CALL |
| TDC307 | Flat Modular Cable, RJ11 (6x4)/RJ11 (6x4), 7.0ft (2.1m) | 2.68 | 2.63 | 2.52 | CALL |
| TDC314 | Flat Modular Cable, RJ11 (6x4)/RJ11 (6x4), 14.0ft (4.3m) | 3.82 | 3.75 | 3.59 | CALL |
| TDC325 | Flat Modular Cable, RJ11 (6x4)/RJ11 (6x4), 25.0ft (7.6m) | 5.48 | 5.37 | 5.15 | CALL |

| | | | | | |
|-----------|---|-------|-------|-------|------|
| TDC057-2 | Flat Modular Cable, RJ12 (6x6)/RJ12 (6x6), 2.0ft (0.7m) | 3.20 | 3.14 | 3.01 | CALL |
| TDC057-7 | Flat Modular Cable, RJ12 (6x6)/RJ12 (6x6), 7.0ft (2.1m) | 4.34 | 4.25 | 4.08 | CALL |
| TDC057-14 | Flat Modular Cable, RJ12 (6x6)/RJ12 (6x6), 14.0ft (4.3m) | 5.79 | 5.68 | 5.44 | CALL |
| TDC057-25 | Flat Modular Cable, RJ12 (6x6)/RJ12 (6x6), 25.0ft (7.6m) | 8.07 | 7.91 | 7.59 | CALL |
| TDC057-50 | Flat Modular Cable, RJ12 (6x6)/RJ12 (6x6), 50.0ft (15.2m) | 13.15 | 12.89 | 12.36 | CALL |

| | | | | | |
|------------|--|-------|-------|-------|------|
| TDC053-2 | Flat Modular Cable, RJ45 (8x8)/RJ45 (8x8), 2.0ft (0.7m) | 3.51 | 3.44 | 3.30 | CALL |
| TDC053-7 | Flat Modular Cable, RJ45 (8x8)/RJ45 (8x8), 7.0ft (2.1m) | 5.17 | 5.07 | 4.86 | CALL |
| TDC053-14 | Flat Modular Cable, RJ45 (8x8)/RJ45 (8x8), 14.0ft (4.3m) | 7.24 | 7.10 | 6.81 | CALL |
| TDC053-25 | Flat Modular Cable, RJ45 (8x8)/RJ45 (8x8), 25.0ft (7.6m) | 10.35 | 10.14 | 9.73 | CALL |
| TDC053-50 | Flat Modular Cable, RJ45 (8x8)/RJ45 (8x8), 50.0ft (15.2m) | 17.50 | 17.15 | 16.45 | CALL |
| TDC053-100 | Flat Modular Cable, RJ45 (8x8)/RJ45 (8x8), 100.0ft (30.5m) | 32.01 | 31.37 | 30.09 | CALL |

Flat Silver Satin Modular Cable - Plug to Plug, Crossed Wiring

Silver satin flat modular cords with two modular plugs. Crossed wires for many voice applications. Choose four conductor (RJ11), six conductor (RJ12) or eight conductor (RJ45).

| | | | | | |
|--------|--|------|------|------|------|
| TDC207 | Flat Modular Cable, RJ11 (6x4)/RJ11 (6x4), 7.0ft (2.1m) | 2.68 | 2.63 | 2.52 | CALL |
| TDC214 | Flat Modular Cable, RJ11 (6x4)/RJ11 (6x4), 14.0ft (4.3m) | 3.82 | 3.75 | 3.59 | CALL |
| TDC225 | Flat Modular Cable, RJ11 (6x4)/RJ11 (6x4), 25.0ft (7.6m) | 5.17 | 5.07 | 4.86 | CALL |

| | | | | | |
|-----------|--|------|------|------|------|
| TDC027-2 | Flat Modular Cable, RJ12 (6x6)/RJ12 (6x6), 2.0ft (0.7m) | 3.20 | 3.14 | 3.01 | CALL |
| TDC027-7 | Flat Modular Cable, RJ12 (6x6)/RJ12 (6x6), 7.0ft (2.1m) | 4.34 | 4.25 | 4.08 | CALL |
| TDC027-14 | Flat Modular Cable, RJ12 (6x6)/RJ12 (6x6), 14.0ft (4.3m) | 5.79 | 5.68 | 5.44 | CALL |
| TDC027-25 | Flat Modular Cable, RJ12 (6x6)/RJ12 (6x6), 25.0ft (7.6m) | 8.07 | 7.91 | 7.59 | CALL |

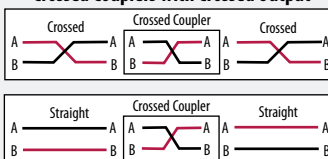
| | | | | | |
|----------|---|------|------|------|------|
| TDC003-2 | Flat Modular Cable, RJ45 (8x8)/RJ45 (8x8), 2.0ft (0.7m) | 3.82 | 3.75 | 3.59 | CALL |
| TDC003-7 | Flat Modular Cable, RJ45 (8x8)/RJ45 (8x8), 7.0ft (2.1m) | 5.17 | 5.07 | 4.86 | CALL |

Tip What is the difference between straight-thru and cross pinning?

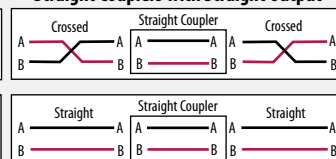
Straight-thru means each contact is straight pinned to its respective contact (1-1, 2-2, 3-3, etc.). Crossed pinning means contacts are pinned through to the opposite contact.

Ex: on an 8 position RJ45: 1-8, 2-7, 3-6, etc. When using a coupler between two patch cords it is important to choose the correct type. As the diagrams illustrate, if the desired pinning from end to end is crossed then the coupler and cables must be crossed. For straight pinning, all cables and couplers must be straight-thru type.

Crossed Couplers with Crossed Output



Straight Couplers with Straight Output

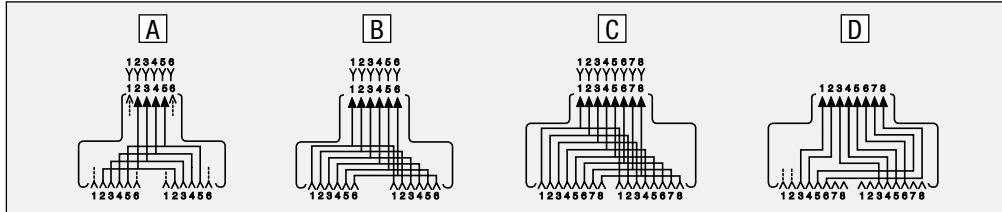


| Item # | Description | Wiring | 1-9 | 10-24 | 25-99 | 100+ |
|--------|-------------|--------|-----|-------|-------|------|
|--------|-------------|--------|-----|-------|-------|------|

Modular TEE Adapters - The Most Practical Way to Tap Into Your Wiring Networks

All units have either 2, 3 or 4 RJ jacks mating to a male or female. Useful in daisy chain wiring, parallel phones or answering machines. It also is very useful in test environments where access to specific pins is required.

| | | | | | | |
|-----------|---|---|------|------|------|------|
| EC503-4 | Modular TEE Adapter (6x4)M/(6x4)F/(6x4)F | A | 4.61 | 4.24 | 3.87 | CALL |
| EC503-6E | Modular TEE Adapter (6x6)M/(6x6)F/(6x6)F | B | 4.61 | 4.24 | 3.87 | CALL |
| EC503-8 | Modular TEE Adapter (8x8)M/(8x8)KF/(8x8)KF | C | 5.65 | 5.20 | 4.74 | CALL |
| EC503-448 | Modular TEE Splitter (8x8)M/(8x4)KF/(8x4)KF | D | 5.65 | 5.20 | 4.74 | CALL |



Modular TEE Splitter - Allows Dual Telco Line to Separate into Two RJ11 Jacks

| | | | | | | |
|------------|---|---|------|------|------|------|
| EC503-1703 | Modular TEE Splitter (6x4)M/(6x2)F/(6x2)F | E | 5.65 | 5.20 | 4.74 | CALL |
|------------|---|---|------|------|------|------|

Modular TEE Junction - Three RJ11/12 or RJ45 Receptacles Accept Three Plugs

| | | | | | | |
|------------|--|---|------|------|------|------|
| TDS1039-4C | Modular TEE Junction (6x4)F/(6x4)F, (6x4)F | A | 4.61 | 4.47 | 4.33 | CALL |
| TDS1039-6C | Modular TEE Junction (6x6)F/(6x6)F, (6x6)F | B | 5.44 | 5.28 | 5.11 | CALL |
| TDS1039-8C | Modular TEE Junction (8x8)F/(8x8)F, (8x8)F | C | 5.65 | 5.48 | 5.31 | CALL |

Socket Saver Adapters - Extend the Life of Frequently Used Modular Jacks

Avoid costly repairs trying to replace modular jacks. Particularly useful with cable testers where jacks are in constant use. A small price to pay to assure maximum performance for the life of your equipment. Also available is the EC535D-10X 10Base-T crossover adapter. Attach this in series with any 10Base-T compatible patch cord and the 1-2 pair crosses to the 3-6 pair. This wiring is often necessary for stacking Ethernet hubs.

| | | | | | | |
|------------|---|---|------|------|------|------|
| EC535AD | Modular Conversion Adapter (6x6)M/(8x6)KF | G | 4.30 | 3.96 | 3.61 | CALL |
| EC535D | Modular Socket Saver (8x8)M/(8x8)KF | J | 4.30 | 3.96 | 3.61 | CALL |
| EC535D-10X | Modular 10Base-T Crossover Adapter (8x4)M/(8x4)KF | K | 4.30 | 3.96 | 3.61 | CALL |

Modular Couplers - Allow Mating of Cables Having Same Modular Termination

We offer a choice of wiring types, straight-thru for use in low speed data communication and crossed wiring for voice applications. This series has gold plated contact surfaces.

| | | | | | | |
|------------|---|--|------|------|------|------|
| TDG1026-6C | Modular Coupler, RJ12 (6x6), Straight Wired | | 2.64 | 2.43 | 2.22 | CALL |
| TDG1026-8C | Modular Coupler, RJ45 (8x8), Straight Wired | | 3.37 | 3.10 | 2.83 | CALL |

Reverse Cable Adapter - A Handy Device To Have To Reverse Polarity (Cross Wiring)

| | | | | | | |
|--------|--|--|------|------|------|------|
| TDC48R | Reverse Cable Adapter, RJ11 (6x4), Male/Female, 10" (25.4cm) | | 3.10 | 2.79 | 2.48 | CALL |
|--------|--|--|------|------|------|------|

Note: Longer lengths and modular connector types available on special orders

Telephone and Data 7 Ft Extension Cords - With Male and Female Modular Connectors

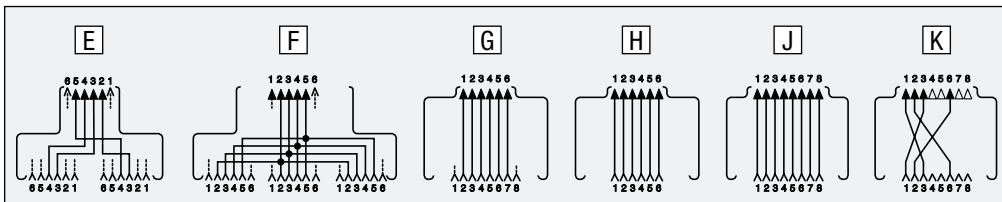
| | | | | | | |
|------------|---|---|------|------|------|------|
| TAC535-4-7 | 7 ft Modular Extension Cord, Straight Wired, RJ11 (6x4) | | 5.69 | 5.23 | 4.78 | CALL |
| TAC535-6-7 | 7 ft Modular Extension Cord, Straight Wired, RJ12 (6x6) | H | 6.72 | 6.19 | 5.65 | CALL |
| TAC535-8-7 | 7 ft Modular Extension Cord, Straight Wired, RJ45K (8x8), Keyed | J | 7.76 | 7.14 | 6.52 | CALL |

Note: 8x8 jacks are keyed. This series also available as Cross Wired. Custom wiring schemes considered.

Modular Insert Adapters

These adapters provide a simple way to allow smaller modular plugs to fit securely into a larger jack. Two types are available; an RJ11/12 plug into an RJ45 jack or an RJ22 style handset plug into an RJ11/12 size jack.

| | | | | | | |
|--------|--|--|------|------|------|------|
| EC4X4A | Modular Insert Adapter, RJ22 Handset Plug into an RJ11/12 Jack, Pkg/10 | | 4.09 | 3.77 | 3.44 | CALL |
| EC8X8A | Modular Insert Adapter, RJ11/12 Plug into an RJ45 Jack, Pkg/10 | | 4.09 | 3.77 | 3.44 | CALL |



EC503
Typical



EC503-8



TDS1039-6C



EC535AD
Front View



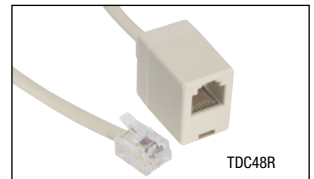
EC535AD
Rear View



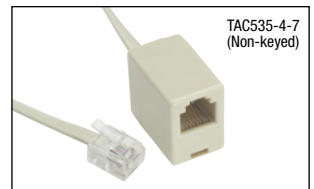
TDG1026-6C



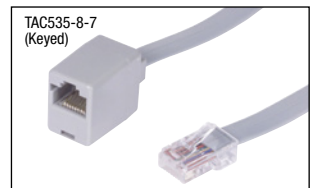
TDG1026-8C



TDC48R



TAC535-4-7
(Non-keyed)



TAC535-8-7
(Keyed)



EC4X4A
Pkg/10



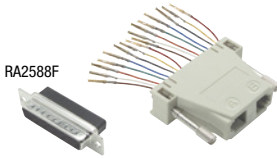
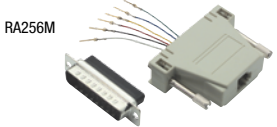
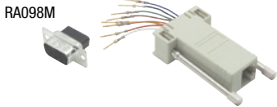
EC8X8A
Pkg/10

Premium Grade

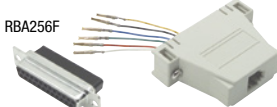
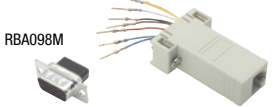
50 microinches GOLD with thumbscrews

**Deluxe Grade**

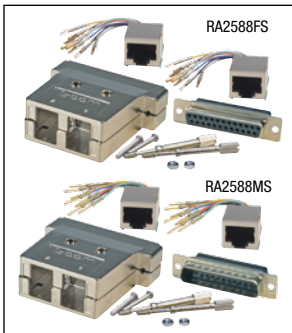
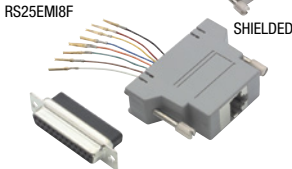
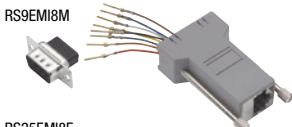
30 microinches GOLD with thumbscrews

**Deluxe Grade**

30 microinches GOLD w/slotted screws

**Deluxe Grade Shielded**

30 microinches GOLD with thumbscrews



| Item # | Description | 1-9 | 10-24 | 25-99 | 100+ |
|---|---|------|-------|-------|------|
| Premium Modular Adapter Kits - Design Features Molded Knurled Hold Down Screws | | | | | |
| REC096F | Modular Adapter, DB9 Female/RJ12 (6x6) Jack | 7.72 | 7.57 | 7.26 | CALL |
| REC096M | Modular Adapter, DB9 Male/RJ12 (6x6) Jack | 7.72 | 7.57 | 7.26 | CALL |
| REC096FD | Modular Adapter, DB9 Female/MMJ (6x6) Jack | 9.27 | 9.09 | 8.72 | CALL |
| REC098F | Modular Adapter, DB9 Female/RJ45 (8x8) Jack | 7.72 | 7.57 | 7.26 | CALL |
| REC098M | Modular Adapter, DB9 Male/RJ45 (8x8) Jack | 7.72 | 7.57 | 7.26 | CALL |

| | | | | | |
|---------|--|------|------|------|------|
| REC256M | Modular Adapter, DB25 Male/RJ12 (6x6) Jack | 8.24 | 8.07 | 7.74 | CALL |
| REC258F | Modular Adapter, DB25 Female/RJ45 (8x8) Jack | 8.24 | 8.07 | 7.74 | CALL |
| REC258M | Modular Adapter, DB25 Male/RJ45 (8x8) Jack | 8.24 | 8.07 | 7.74 | CALL |

Modular Adapter Kits With Long Thumbscrews, Mate with DB9, DB15 and DB25

With one-piece housing, the modular adapter kits offer users a simple way to prepare custom wired adapters in the field. Featuring 30 microinches (0.762µm) gold plating on the contact pins and long metal thumbscrews. Each unit is programmable to fit your needs and with legends and/or logo, either molded-in or on labels for your application. TDT series insertion/extraction tools are necessary for programming.

| | | | | | |
|--------|---|------|------|------|------|
| RA096F | Modular Adapter, DB9 Female/RJ12 (6x6) Jack | 7.20 | 7.06 | 6.77 | CALL |
| RA098F | Modular Adapter, DB9 Female/RJ45 (8x8) Jack | 7.20 | 7.06 | 6.77 | CALL |
| RA098M | Modular Adapter, DB9 Male/RJ45 (8x8) Jack | 7.20 | 7.06 | 6.77 | CALL |

| | | | | | |
|--------|--|------|------|------|------|
| RA158M | Modular Adapter, DB15 Male/RJ45 (8x8) Jack | 7.20 | 7.06 | 6.77 | CALL |
|--------|--|------|------|------|------|

| | | | | | |
|--------|--|------|------|------|------|
| RA256M | Modular Adapter, DB25 Male/RJ12 (6x6) Jack | 7.72 | 7.57 | 7.26 | CALL |
| RA258F | Modular Adapter, DB25 Female/RJ45 (8x8) Jack | 7.72 | 7.57 | 7.26 | CALL |
| RA258M | Modular Adapter, DB25 Male/RJ45 (8x8) Jack | 7.72 | 7.57 | 7.26 | CALL |

| | | | | | |
|---------|--|------|------|------|------|
| RA2510F | Modular Adapter, DB25 Female/10 Pin Modular Jack | 7.72 | 7.57 | 7.26 | CALL |
| RA2510M | Modular Adapter, DB25 Male/10 Pin Modular Jack | 7.72 | 7.57 | 7.26 | CALL |

| | | | | | |
|---------|---|-------|-------|-------|------|
| RA2588F | Modular Adapter, DB25 Female/Dual RJ45 Modular Jack | 12.38 | 12.13 | 11.64 | CALL |
| RA2588M | Modular Adapter, DB25 Male/Dual RJ45 Modular Jack | 12.38 | 12.13 | 11.64 | CALL |

Modular Adapter Kits - With Slotted Screws, Mate with DB9 and DB25

This series is identical to the RA Series except for the fact that the thumbscrew is replaced with a shorter screw head requiring a screwdriver for fastening to the system. A full range is provided which includes the DB9 and DB25 interface, available with RJ11/12 or RJ45 jacks. Modular contacts have 30 microinches (0.762µm) of gold plating. TDT series insertion/extraction tools are necessary for programming.

| | | | | | |
|---------|---|------|------|------|------|
| RBA096F | Modular Adapter, DB9 Female/RJ12 (6x6) Jack | 6.68 | 6.55 | 6.28 | CALL |
| RBA096M | Modular Adapter, DB9 Male/RJ12 (6x6) Jack | 6.68 | 6.55 | 6.28 | CALL |
| RBA098F | Modular Adapter, DB9 Female/RJ45 (8x8) Jack | 6.68 | 6.55 | 6.28 | CALL |
| RBA098M | Modular Adapter, DB9 Male/RJ45 (8x8) Jack | 6.68 | 6.55 | 6.28 | CALL |

| | | | | | |
|---------|--|------|------|------|------|
| RBA256F | Modular Adapter, DB25 Female/RJ12 (6x6) Jack | 7.72 | 7.57 | 7.26 | CALL |
| RBA256M | Modular Adapter, DB25 Male/RJ12 (6x6) Jack | 7.72 | 7.57 | 7.26 | CALL |
| RBA258F | Modular Adapter, DB25 Female/RJ45 (8x8) Jack | 7.72 | 7.57 | 7.26 | CALL |

Shielded Modular Adapter Kits - Feature Special Internal Design - EMI/RFI Shield

Similar in appearance and use to our standard RA Series but the similarity ends there. Built into the Gray plastic case assembly is an inner formed metal shield. Modular contacts have 30 microinches (0.762µm) of gold plating. This is our best adapter; guaranteed to provide the best shielding effectiveness. Mandatory for systems utilizing fully shielded cabling and shielded modular plugs. Use TDT series tools to insert/remove contacts. 4-40 hardware.

| | | | | | |
|----------|--|-------|-------|-------|------|
| RS9EMI8F | Shielded Modular Adapter, DB9 Female/RJ45 (8x8) Jack | 10.83 | 10.50 | 10.18 | CALL |
| RS9EMI8M | Shielded Modular Adapter, DB9 Male/RJ45 (8x8) Jack | 10.83 | 10.50 | 10.18 | CALL |

| | | | | | |
|-----------|---|-------|-------|-------|------|
| RS25EMI8F | Shielded Modular Adapter, DB25 Female/RJ45 (8x8) Jack | 10.83 | 10.50 | 10.18 | CALL |
| RS25EMI8M | Shielded Modular Adapter, DB25 Male/RJ45 (8x8) Jack | 10.83 | 10.50 | 10.18 | CALL |

Shielded Dual RJ45 Die-cast Adapters

L-com's exclusive die cast dual RJ45 to D-Sub 25 male or female adapters provide 100% shield coverage. These unique fully die cast adapter housings ship as a kit so that you can terminate as needed for your project. L-com can custom wire these for you with modest minimums. Contact us today with your project needs.

| | | | | | |
|----------|--|-------|-------|-------|------|
| RA2588FS | Shielded Adapter, DB25 Female/Dual RJ45 (8x8) Jack | 28.96 | 28.09 | 27.22 | CALL |
| RA2588MS | Shielded Adapter, DB25 Male/Dual RJ45 (8x8) Jack | 28.96 | 28.09 | 27.22 | CALL |

Insertion and Removal Tools For Crimp & Poke Type Contacts - Professional and Economy Versions

Two insertion/extraction tools are available for inserting contacts into D-Subs. Professional model is made for multiple insertions and is built on a larger, more ergonomic tool body. The economy version is also available when limited insertions are necessary.

| | | | | | |
|--------|---|-------|-------|-------|------|
| TDT | Economy Contact Insertion/Extraction Tool | 3.06 | 3.00 | 2.93 | CALL |
| TDTPRO | Pro Contact Insertion/Extraction Tool | 25.85 | 25.34 | 24.82 | CALL |

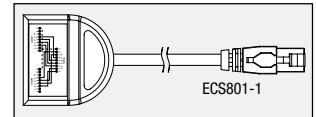
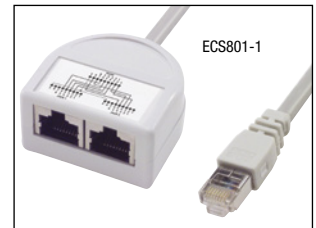
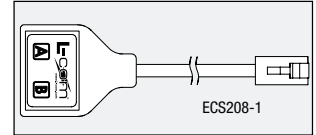
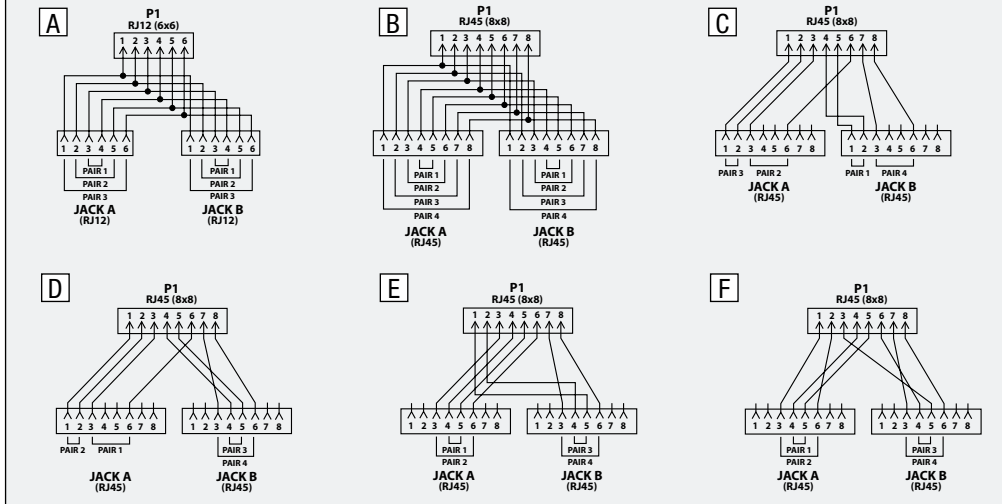
| | | | | | | | |
|----------------|-------------|-------------|-------------------|-------------|-------------------|----------------------|-----------------------------------|
| | | | | | | | Modular Jack Configuration |
| HANDSET 4x4 | RJ11 6x4 | RJ12 6x6 | MMJ OFFSET 6x6 | RJ45 8x8 | RJ45 KEYED 8x8 | 10 POSITION 10x10 | Jack (Female Gender) |

| Item # | Description | Wiring | 1-9 | 10-24 | 25-99 | 100+ |
|--------|-------------|--------|-----|-------|-------|------|
|--------|-------------|--------|-----|-------|-------|------|

Modular Y Adapters-Allow Line Splitting Flexibility in Today's DataCom Networks

Market demand for varied types of modular Y splitter cables has prompted this choice of six standard listings. The most popular types are stocked in one foot overall lengths. However, custom lengths are available. A dark gray molded box design style with all rounded edges is used as well as round U.T.P. Category 3 cable. All contact surfaces have 50 microinches (1.27µm) gold plating. **Note:** Custom variations solicited to include: choice of modular jacks, any length of cable, different modular or DIN or other style plugs on cable. Minimum quantity of 250 may apply for most custom quotes.

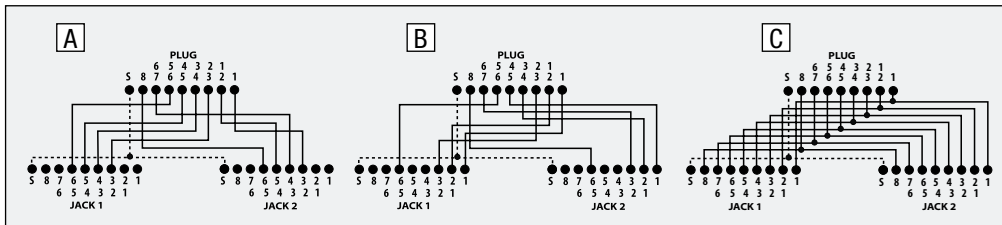
| | | | | | | |
|----------|---|---|------|------|------|------|
| ECS203-1 | Modular Y-Bridge, USOC-6/USOC-6 | A | 9.27 | 9.09 | 8.72 | CALL |
| ECS204-1 | Modular Y-Bridge, USOC-8/USOC-8 | B | 9.27 | 9.09 | 8.72 | CALL |
| ECS205-1 | Modular Y-Splitter, 10Base-T/10Base-T | C | 9.27 | 9.09 | 8.72 | CALL |
| ECS206-1 | Modular Y-Splitter, 10Base-T/Token Ring | D | 9.27 | 9.09 | 8.72 | CALL |
| ECS207-1 | Modular Y-Splitter, Token Ring/Token Ring | E | 9.27 | 9.09 | 8.72 | CALL |
| ECS208-1 | Modular Y-Splitter, Token Ring/Token Ring | F | 9.27 | 9.09 | 8.72 | CALL |



Shielded Modular 2-Way Splitters-Allow Multiple Uses of 4-Pair Cabling

This series is designed for use in environments where shielding protection is required. Features include fully shielded PCB mounted jacks, RJ45 plugs with a 360 degree strain relief and a sturdy ABS housing. Three configurations in 12 inch (30.5cm) lengths are offered. The bridging adapter combines all like numbered pins allowing devices to share a single interface. Two splitter versions are available configured for 10Base-T and Token Ring applications. Custom configurations will be considered with modest minimums. Please contact our sales group for assistance.

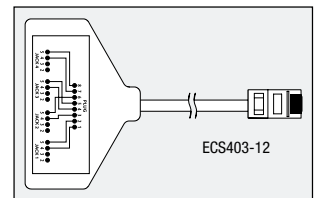
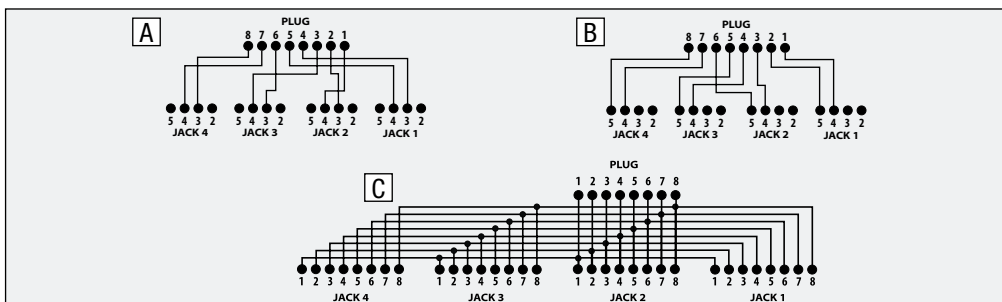
| | | | | | | |
|----------|--|---|-------|-------|-------|------|
| ECS801-1 | USOC Splitter, 8x8 Plug/2 (8x4) Jacks | A | 11.35 | 11.12 | 10.67 | CALL |
| ECS802-1 | TIA568 Splitter, 8x8 Plug/2 10Base-T Jacks | B | 11.35 | 11.12 | 10.67 | CALL |
| ECS803-1 | USOC Bridge, 8x8 Plug/2 (8x8) Jacks | C | 11.35 | 11.12 | 10.67 | CALL |



Modular 4-Way Splitters-Allow Multiple Uses of 4-Pair Cabling

This series allows users to take advantage of installed 4-pair to gain access to individual pairs or bridge multiple jacks. Four configurations in a 12 inch (30.5cm) overall length are offered. The bridging adapter combines all like numbered pins allowing devices to share a single interface. The breakout models allow access to each individual pair at the 8x8 plug through four 6x2 or 8x2 jacks. Custom configurations will be considered with modest minimums. Please contact our sales group for assistance.

| | | | | | | |
|-----------|--|---|-------|-------|-------|------|
| ECS401-12 | TIA568B Splitter, 8x8 Plug/4 (6x2) Jacks | A | 11.35 | 11.12 | 10.67 | CALL |
| ECS403-12 | TIA568 Splitter, 8x8 Plug/4 (8x2) Jacks | B | 11.35 | 11.12 | 10.67 | CALL |
| ECS404-12 | USOC Bridge, 8x8 Plug/4 (8x8) Jacks | C | 11.35 | 11.12 | 10.67 | CALL |





Data Cabling Tutorial

What is D-Subminiature?

D-Subminiature products are connection products utilizing various D-Subminiature style interface types to transmit data signals.

How is D-Subminiature used?

D-Subminiature products are used to connect a data generating device such as a CPU (Central Processing Unit) to a data producing device such as a printer.

Where is D-Subminiature used?

D-Subminiature products are used in numerous data transmission applications found in office, industrial, home or testing environments.

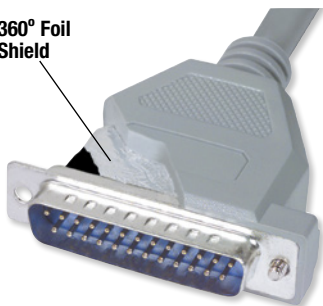


Poorly shielded cables can cause systems to fail EMI Certification

L-com's manufacturing process includes 360 degree shielding under the mold to insure full shielding from the bulk cable shield to the connector shell. Some competitors shortcut this process by just tack soldering the cable drain wire to the connector shell. In many applications this shortcut results in EMI leakage causing systems to fail testing.

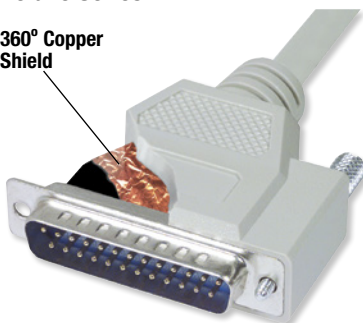
Economy Series

360° Foil Shield



Deluxe Series

360° Copper Shield



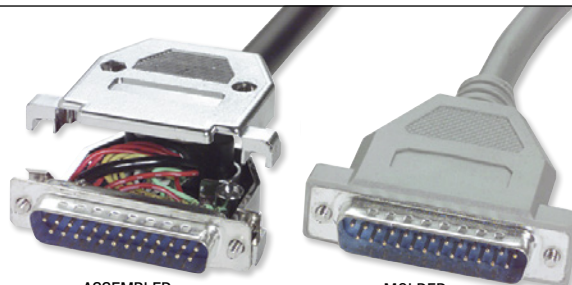
Premium Series

Terminal Shield
Custom steel box provides 100% shielding



What is the difference between assembled and molded cable assemblies?

The difference between an assembled and molded cable assembly is in the construction of the backshell. An assembled backshell can be plastic (not shielded) or metal (shielded) and can be disassembled by removing hardware. On a molded cable assembly, the backshell is typically molded PVC that cannot be disassembled.



ASSEMBLED

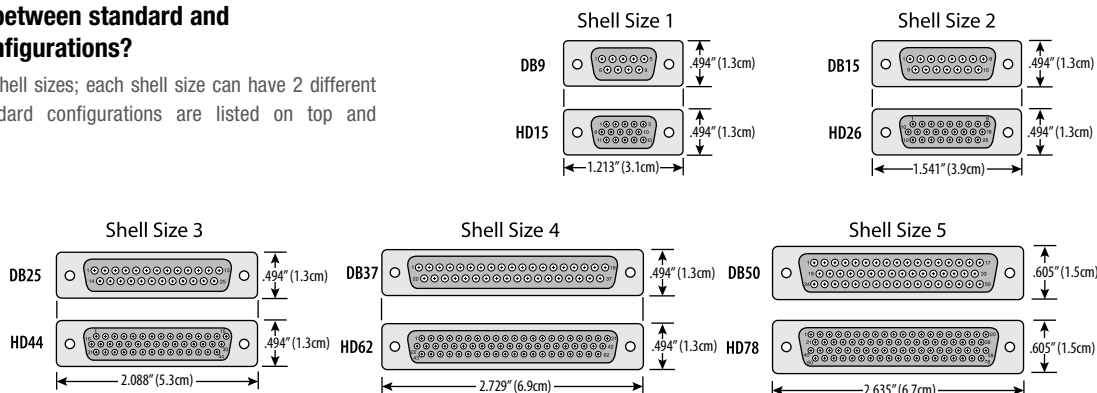
MOLDED

What is the difference between standard and High-Density D-Sub configurations?

The industry uses 5 different shell sizes; each shell size can have 2 different configurations of pins. Standard configurations are listed on top and High-Density are listed below.

Online Video

L-com.com/Videos/A13



Selecting the right D-Sub Cable Assembly for your application.

L-com takes pride in having the largest variety of D-Sub cables in the industry. The following selection guide is intended to assist you in selecting the right cable for your particular need.

No more D-Sub connector gender confusion

Online Video

L-com.com/Videos/A14

| Cable Series | Available Sizes | Available Connector Combinations | Color | Cable Shielding | Wire AWG | Distinguishing Characteristics | Photo |
|--------------|-----------------------------------|---------------------------------------|--------------|--------------------|-------------|--|---|
| CSM | DB9, DB15, DB25, DB37 | Male-Male, Male-Female | Gray | Foil/Mylar | 26 | Least expensive option Uses smaller, slotted screws instead of thumbscrews |  |
| CSMN | DB9, DB15, DB25, DB37, DB50 | Male-Male, Male-Female, Female-Female | Light Gray | Foil/Mylar * | 26 * | Most similar to industry standard cables Note: Right Angle and 45 Degree Angle types available |  |
| CSMNB | DB9, DB15, DB25 | Male-Male, Male-Female | Black | Foil/Mylar | 26 | Black color for color matching black computer peripherals |  |
| CS2N | DB9, HDB15, DB25, DB37, DB15 | Male-Male, Male-Female | Light Gray | Foil/Mylar + Braid | 26 | Extra cable shielding and steel internal enclosure provides maximum protection from EMI/RFI corruption |  |
| CS2NB | DB9, HDB15, DB25, DB15 | Male-Male, Male-Female | Black | Foil/Mylar + Braid | 26 | Extra cable shielding and steel internal enclosure provides maximum protection from EMI/RFI corruption |  |
| CRMN | DB9, DB15, DB25, DB37 | Male-Male, Male-Female, Female-Female | Light Gray | Foil/Mylar | 26 | Reversible hardware feature allows cables to be directly panel mounted without the use of an adapter or any other component |  |
| CSMUZ | DB9, DB15, DB25 | Male-Male, Male-Female | Black | Foil/Mylar + Braid | 24 | Low Smoke Zero Halogen (LSZH) jacket and backshell material significantly reduce the amount of toxic and corrosive gases emitted during combustion. Extra cable shielding and steel internal enclosure provides maximum protection from EMI/RFI corruption |  |
| CSNULL | DB9, DB25, DB25-DB9 | Male-Female, Female-Female | Light Gray | Foil/Mylar | 26 | Data lines wired specifically to allow devices to communicate without the use of modems or other peripherals |  |
| CMZ | DB25 Male-DB9 Female | Male-Female | Light Gray | Foil/Mylar | 26 | Wired specifically to connect an external modem (DB25) to a PC serial port (DB9) |  |
| CHD | HDB15, HDB26, HDB44, HDB62, HDB78 | Male-Male, Male-Female | Light Gray | See below** | See below** | High density D-Sub connectors utilize more contacts than standard D-Sub connectors even though they use the same size connector shells |  |
| CSMT | DB9, DB15, DB25 | Male-Male, Male-Female | Silver/Metal | Foil/Mylar + Braid | 26 | Stainless steel crush resistant jacket over our premium D-Sub braid & foil shielded cable provides protection in applications where standard cables would be damaged due to excessive force. |  |
| CSPL | DB9, DB15, DB25 | Male-Male, Male-Female | Black | Foil/Mylar + Braid | 26 | PVC plastic crush resistant jacket over our premium D-Sub braid & foil shielded cables provides protection in applications where standard cables would be damaged due to excessive force. |  |
| CPMS | DB9, DB15, DB25 | Male-Male, Male-Female | Dark Gray | Foil/Mylar + Braid | 20 | 20 AWG conductors allow for maximum current throughput. Extra cable shielding provides maximum protection from EMI/RFI. Reversible hardware feature allows cables to be panel mounted without the use of an adapter or any other component. |  |

* Exception - CSMN50 is double shielded (foil/mylar + braid) with 28 AWG conductors

** CHD15 & CHD26 are foil/mylar shielded with 26 AWG conductors

CHD44 is double shielded (foil/mylar + braid) with 24 AWG conductors

CHD62 & CHD78 are double shielded (foil/mylar + braid) with 28 AWG conductors

Standard or Hi-Density D-Sub configurations

Online Video

L-com.com/Videos/A13

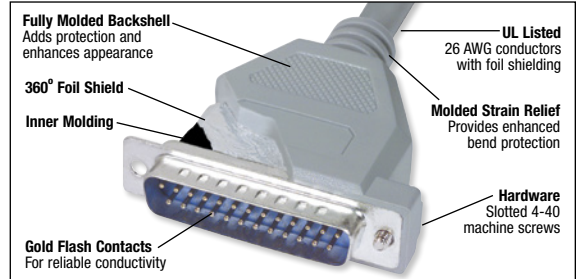


TS-CSM

Economy D-Sub Cable Assemblies - Fully Populated with 4-40 Hardware

The CSM Series of D-Sub cable assemblies offer solid performance at economical prices. All assemblies utilize 26 AWG stranded conductors with foil shielding for flexibility and performance. Backshells are fully molded for reliability in environments where flexing is an issue. Mating hardware is 4-40 machine screws. Hex nuts on female connectors are removable to expose 4-40 machine screws. Color is gray.

• More lengths available. Go to L-com.com



| Item # | Description | 1-9 | 10-24 | 25-99 | 100+ |
|--|---|-------|-------|-------|------|
| Economy 9 Pin D-Sub Molded Cables - Common for Serial Connections, Shielded and Fully Populated | | | | | |
| CSM9MM-1 | Economy Molded Cable, DB9 Male/Male, 1.0ft (0.3m) | 6.37 | 5.86 | 5.35 | CALL |
| CSM9MM-2.5 | Economy Molded Cable, DB9 Male/Male, 2.5ft (0.8m) | 6.99 | 6.43 | 5.88 | CALL |
| CSM9MM-5 | Economy Molded Cable, DB9 Male/Male, 5.0ft (1.5m) | 8.03 | 7.39 | 6.75 | CALL |
| CSM9MM-10 | Economy Molded Cable, DB9 Male/Male, 10.0ft (3.0m) | 10.10 | 9.29 | 8.49 | CALL |
| CSM9MM-25 | Economy Molded Cable, DB9 Male/Male, 25.0ft (7.6m) | 16.32 | 15.01 | 13.71 | CALL |
| CSM9MF-1 | Economy Molded Cable, DB9 Male/Female, 1.0ft (0.3m) | 6.37 | 5.86 | 5.35 | CALL |
| CSM9MF-2.5 | Economy Molded Cable, DB9 Male/Female, 2.5ft (0.8m) | 6.99 | 6.43 | 5.88 | CALL |
| CSM9MF-5 | Economy Molded Cable, DB9 Male/Female, 5.0ft (1.5m) | 8.03 | 7.39 | 6.75 | CALL |
| CSM9MF-10 | Economy Molded Cable, DB9 Male/Female, 10.0ft (3.0m) | 10.10 | 9.29 | 8.49 | CALL |
| CSM9MF-15 | Economy Molded Cable, DB9 Male/Female, 15.0ft (4.6m) | 12.18 | 11.20 | 10.23 | CALL |
| CSM9MF-25 | Economy Molded Cable, DB9 Male/Female, 25.0ft (7.6m) | 16.32 | 15.01 | 13.71 | CALL |
| CSM9MF-50 | Economy Molded Cable, DB9 Male/Female, 50.0ft (15.2m) | 26.68 | 24.55 | 22.41 | CALL |

Economy 15 Pin D-Sub Molded Cables - For Various Applications, Shielded and Fully Populated

| | | | | | |
|-------------|--|-------|-------|-------|------|
| CSM15MM-1 | Economy Molded Cable, DB15 Male/Male, 1.0ft (0.3m) | 7.51 | 7.06 | 6.61 | CALL |
| CSM15MM-2.5 | Economy Molded Cable, DB15 Male/Male, 2.5ft (0.8m) | 8.29 | 7.79 | 7.29 | CALL |
| CSM15MM-5 | Economy Molded Cable, DB15 Male/Male, 5.0ft (1.5m) | 9.58 | 9.01 | 8.43 | CALL |
| CSM15MM-10 | Economy Molded Cable, DB15 Male/Male, 10.0ft (3.0m) | 12.18 | 11.44 | 10.71 | CALL |
| CSM15MM-25 | Economy Molded Cable, DB15 Male/Male, 25.0ft (7.6m) | 19.95 | 18.75 | 17.55 | CALL |
| CSM15MF-1 | Economy Molded Cable, DB15 Male/Female, 1.0ft (0.3m) | 7.51 | 7.06 | 6.61 | CALL |
| CSM15MF-2.5 | Economy Molded Cable, DB15 Male/Female, 2.5ft (0.8m) | 8.29 | 7.79 | 7.29 | CALL |
| CSM15MF-5 | Economy Molded Cable, DB15 Male/Female, 5.0ft (1.5m) | 9.58 | 9.01 | 8.43 | CALL |
| CSM15MF-10 | Economy Molded Cable, DB15 Male/Female, 10.0ft (3.0m) | 12.18 | 11.44 | 10.71 | CALL |
| CSM15MF-15 | Economy Molded Cable, DB15 Male/Female, 15.0ft (4.6m) | 14.77 | 13.88 | 12.99 | CALL |
| CSM15MF-50 | Economy Molded Cable, DB15 Male/Female, 50.0ft (15.2m) | 32.90 | 30.93 | 28.95 | CALL |

Economy 25 Pin D-Sub Molded Cables - Shielded and Fully Populated

| | | | | | |
|-------------|--|-------|-------|-------|------|
| CSM25MM-1 | Economy Molded Cable, DB25 Male/Male, 1.0ft (0.3m) | 7.88 | 7.40 | 6.93 | CALL |
| CSM25MM-2.5 | Economy Molded Cable, DB25 Male/Male, 2.5ft (0.8m) | 8.81 | 8.28 | 7.75 | CALL |
| CSM25MM-5 | Economy Molded Cable, DB25 Male/Male, 5.0ft (1.5m) | 10.36 | 9.74 | 9.12 | CALL |
| CSM25MM-10 | Economy Molded Cable, DB25 Male/Male, 10.0ft (3.0m) | 14.51 | 13.64 | 12.77 | CALL |
| CSM25MM-25 | Economy Molded Cable, DB25 Male/Male, 25.0ft (7.6m) | 25.91 | 24.35 | 22.80 | CALL |
| CSM25MF-1 | Economy Molded Cable, DB25 Male/Female, 1.0ft (0.3m) | 7.88 | 7.40 | 6.93 | CALL |
| CSM25MF-2.5 | Economy Molded Cable, DB25 Male/Female, 2.5ft (0.8m) | 8.81 | 8.28 | 7.75 | CALL |
| CSM25MF-5 | Economy Molded Cable, DB25 Male/Female, 5.0ft (1.5m) | 10.36 | 9.74 | 9.12 | CALL |
| CSM25MF-10 | Economy Molded Cable, DB25 Male/Female, 10.0ft (3.0m) | 14.51 | 13.64 | 12.77 | CALL |
| CSM25MF-25 | Economy Molded Cable, DB25 Male/Female, 25.0ft (7.6m) | 25.91 | 24.35 | 22.80 | CALL |
| CSM25MF-50 | Economy Molded Cable, DB25 Male/Female, 50.0ft (15.2m) | 41.45 | 38.96 | 36.47 | CALL |

Economy 37 Pin D-Sub Molded Cables - Shielded and Fully Populated

| | | | | | |
|-------------|---|-------|-------|-------|------|
| CSM37MM-1 | Economy Molded Cable, DB37 Male/Male, 1.0ft (0.3m) | 26.79 | 25.18 | 23.57 | CALL |
| CSM37MM-2.5 | Economy Molded Cable, DB37 Male/Male, 2.5ft (0.8m) | 28.50 | 26.79 | 25.08 | CALL |
| CSM37MM-5 | Economy Molded Cable, DB37 Male/Male, 5.0ft (1.5m) | 31.35 | 29.46 | 27.58 | CALL |
| CSM37MM-10 | Economy Molded Cable, DB37 Male/Male, 10.0ft (3.0m) | 37.04 | 34.82 | 32.60 | CALL |
| CSM37MF-1 | Economy Molded Cable, DB37 Male/Female, 1.0ft (0.3m) | 26.79 | 25.18 | 23.57 | CALL |
| CSM37MF-2.5 | Economy Molded Cable, DB37 Male/Female, 2.5ft (0.8m) | 28.50 | 26.79 | 25.08 | CALL |
| CSM37MF-5 | Economy Molded Cable, DB37 Male/Female, 5.0ft (1.5m) | 31.35 | 29.46 | 27.58 | CALL |
| CSM37MF-10 | Economy Molded Cable, DB37 Male/Female, 10.0ft (3.0m) | 37.04 | 34.82 | 32.60 | CALL |
| CSM37MF-25 | Economy Molded Cable, DB37 Male/Female, 25.0ft (7.6m) | 54.14 | 50.89 | 47.64 | CALL |

Replacement 4-40 Screws for CSM Series Assemblies - Sold in 10/Packs

| | | | | | |
|--------|--|------|------|------|------|
| TS-CSM | Replacement Screws for CSM Series Assemblies, Pkg/10 | 3.94 | 3.70 | 3.47 | CALL |
|--------|--|------|------|------|------|

Copper wire current carrying capacity

Current carrying capacity is the maximum number of amperes (amps) that can flow through a conductor before it breaks down. Many factors determine actual current carrying capacity including conductor size, temperature, number of bundled conductors, air flow and insulation material and thickness. Therefore, this chart should only be used as a general guideline to determine actual performance.

Note: Figures based on 30°C ambient temperature
Units are measured in Amps
x = Current reduction factor
Reduction factors apply when conductors are bundled

| INSULATION MATERIAL | WIRE SIZE | | | | | | |
|--|-----------|--------|--------|--------|--------|--------|--------|
| | 30 AWG | 28 AWG | 26 AWG | 24 AWG | 22 AWG | 20 AWG | 18 AWG |
| PVC - Standard Data Cables | 2x | 3x | 4x | 6x | 8x | 10x | 15x |
| Polyethylene - Low Smoke, Zero Halogen Cable | 3x | 4x | 5x | 7x | 9x | 12x | 17x |
| Halar - Plenum, High Temperature Data Cable | 3x | 5x | 6x | 8x | 11x | 14x | 20x |

| # Bundled Conductors | Reduction Factor (x) |
|----------------------|----------------------|
| 2-5 | 0.8 |
| 6-15 | 0.7 |
| 16-30 | 0.5 |

Example:

Q: What is the estimated current capacity for L-com data cable CS9-100?

A: The important factors are:

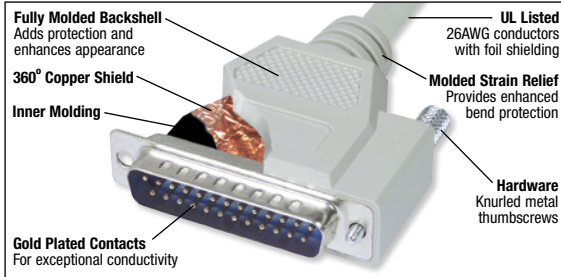
1) 24 AWG conductors, 2) PVC Insulation, 3) 9 Conductors.
The current rating is: $[6x(x=0.7)] = 4.2$ Amps per conductor.

Deluxe D-Sub Cable Assemblies - Fully Populated with 4-40 Thumbscrews

The CSMN Series of D-Sub cable assemblies is our middle of the line offering excellent performance and lower pricing. All assemblies utilize 26AWG stranded conductors with foil shielding for flexibility and performance. Backshells are fully molded with copper shielding for better immunity to outside noise. Mating hardware is 4-40 thumbscrews which makes securing without tools quick and easy. Hex nuts on female connectors are removable to expose 4-40 thumbscrews.

Note: 50 pin assemblies use 28AWG twisted pairs due to space constraints in backshell molding. Color is light gray.

- More lengths available. Go to L-com.com
- Female/Female in DB9, DB15 and DB25



| Item # | Description | 1-9 | 10-24 | 25-99 | 100+ |
|--------|-------------|-----|-------|-------|------|
|--------|-------------|-----|-------|-------|------|

Deluxe 9 Pin D-Sub Molded Cables with Thumbscrews - Shielded and Fully Populated

| | | | | | |
|-------------|--|-------|-------|-------|------|
| CSMN9MM-1 | Deluxe Molded Cable, DB9 Male/Male, 1.0ft (0.3m) | 6.99 | 6.43 | 5.88 | CALL |
| CSMN9MM-2.5 | Deluxe Molded Cable, DB9 Male/Male, 2.5ft (0.8m) | 7.77 | 7.15 | 6.53 | CALL |
| CSMN9MM-5 | Deluxe Molded Cable, DB9 Male/Male, 5.0ft (1.5m) | 9.07 | 8.34 | 7.62 | CALL |
| CSMN9MM-10 | Deluxe Molded Cable, DB9 Male/Male, 10.0ft (3.0m) | 11.66 | 10.72 | 9.79 | CALL |
| CSMN9MM-15 | Deluxe Molded Cable, DB9 Male/Male, 15.0ft (4.6m) | 14.25 | 13.11 | 11.97 | CALL |
| CSMN9MM-25 | Deluxe Molded Cable, DB9 Male/Male, 25.0ft (7.6m) | 19.43 | 17.87 | 16.32 | CALL |
| CSMN9MM-125 | Deluxe Molded Cable, DB9 Male/Male, 125.0ft (38.1m) | 71.24 | 65.54 | 59.84 | CALL |
| CSMN9MF-1 | Deluxe Molded Cable, DB9 Male/Female, 1.0ft (0.3m) | 6.99 | 6.43 | 5.88 | CALL |
| CSMN9MF-2.5 | Deluxe Molded Cable, DB9 Male/Female, 2.5ft (0.8m) | 7.77 | 7.15 | 6.53 | CALL |
| CSMN9MF-5 | Deluxe Molded Cable, DB9 Male/Female, 5.0ft (1.5m) | 9.07 | 8.34 | 7.62 | CALL |
| CSMN9MF-10 | Deluxe Molded Cable, DB9 Male/Female, 10.0ft (3.0m) | 11.66 | 10.72 | 9.79 | CALL |
| CSMN9MF-15 | Deluxe Molded Cable, DB9 Male/Female, 15.0ft (4.6m) | 14.25 | 13.11 | 11.97 | CALL |
| CSMN9MF-25 | Deluxe Molded Cable, DB9 Male/Female, 25.0ft (7.6m) | 19.43 | 17.87 | 16.32 | CALL |
| CSMN9FF-1 | Deluxe Molded Cable, DB9 Female/Female, 1.0ft (0.3m) | 6.99 | 6.43 | 5.88 | CALL |
| CSMN9FF-2.5 | Deluxe Molded Cable, DB9 Female/Female, 2.5ft (0.8m) | 7.77 | 7.15 | 6.53 | CALL |
| CSMN9FF-5 | Deluxe Molded Cable, DB9 Female/Female, 5.0ft (1.5m) | 9.07 | 8.34 | 7.62 | CALL |
| CSMN9FF-10 | Deluxe Molded Cable, DB9 Female/Female, 10.0ft (3.0m) | 11.66 | 10.72 | 9.79 | CALL |
| CSMN9FF-15 | Deluxe Molded Cable, DB9 Female/Female, 15.0ft (4.6m) | 14.25 | 13.11 | 11.97 | CALL |
| CSMN9FF-25 | Deluxe Molded Cable, DB9 Female/Female, 25.0ft (7.6m) | 19.43 | 17.87 | 16.32 | CALL |
| CSMN9FF-50 | Deluxe Molded Cable, DB9 Female/Female, 50.0ft (15.2m) | 32.38 | 29.79 | 27.20 | CALL |

Deluxe 15 Pin D-Sub Molded Cables with Thumbscrews - Shielded and Fully Populated

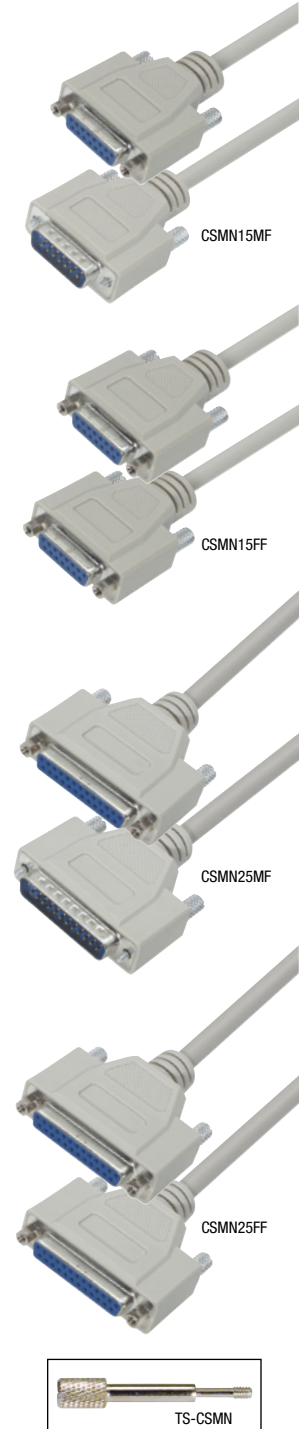
| | | | | | |
|--------------|---|-------|-------|-------|------|
| CSMN15MM-1 | Deluxe Molded Cable, DB15 Male/Male, 1.0ft (0.3m) | 10.72 | 10.08 | 9.44 | CALL |
| CSMN15MM-2.5 | Deluxe Molded Cable, DB15 Male/Male, 2.5ft (0.8m) | 11.66 | 10.96 | 10.26 | CALL |
| CSMN15MM-5 | Deluxe Molded Cable, DB15 Male/Male, 5.0ft (1.5m) | 13.21 | 12.42 | 11.63 | CALL |
| CSMN15MM-10 | Deluxe Molded Cable, DB15 Male/Male, 10.0ft (3.0m) | 16.32 | 15.34 | 14.36 | CALL |
| CSMN15MM-15 | Deluxe Molded Cable, DB15 Male/Male, 15.0ft (4.6m) | 19.43 | 18.26 | 17.10 | CALL |
| CSMN15MM-25 | Deluxe Molded Cable, DB15 Male/Male, 25.0ft (7.6m) | 25.65 | 24.11 | 22.57 | CALL |
| CSMN15MM-50 | Deluxe Molded Cable, DB15 Male/Male, 50.0ft (15.2m) | 41.19 | 38.72 | 36.25 | CALL |
| CSMN15MF-1 | Deluxe Molded Cable, DB15 Male/Female, 1.0ft (0.3m) | 10.72 | 10.08 | 9.44 | CALL |
| CSMN15MF-2.5 | Deluxe Molded Cable, DB15 Male/Female, 2.5ft (0.8m) | 11.66 | 10.96 | 10.26 | CALL |
| CSMN15MF-5 | Deluxe Molded Cable, DB15 Male/Female, 5.0ft (1.5m) | 13.21 | 12.42 | 11.63 | CALL |
| CSMN15MF-10 | Deluxe Molded Cable, DB15 Male/Female, 10.0ft (3.0m) | 16.32 | 15.34 | 14.36 | CALL |
| CSMN15MF-15 | Deluxe Molded Cable, DB15 Male/Female, 15.0ft (4.6m) | 19.43 | 18.26 | 17.10 | CALL |
| CSMN15MF-25 | Deluxe Molded Cable, DB15 Male/Female, 25.0ft (7.6m) | 25.65 | 24.11 | 22.57 | CALL |
| CSMN15MF-50 | Deluxe Molded Cable, DB15 Male/Female, 50.0ft (15.2m) | 41.19 | 38.72 | 36.25 | CALL |
| CSMN15FF-1 | Deluxe Molded Cable, DB15 Female/Female, 1.0ft (0.3m) | 10.72 | 10.08 | 9.44 | CALL |
| CSMN15FF-2.5 | Deluxe Molded Cable, DB15 Female/Female, 2.5ft (0.8m) | 11.66 | 10.96 | 10.26 | CALL |
| CSMN15FF-5 | Deluxe Molded Cable, DB15 Female/Female, 5.0ft (1.5m) | 13.21 | 12.42 | 11.63 | CALL |
| CSMN15FF-10 | Deluxe Molded Cable, DB15 Female/Female, 10.0ft (3.0m) | 16.32 | 15.34 | 14.36 | CALL |
| CSMN15FF-15 | Deluxe Molded Cable, DB15 Female/Female, 15.0ft (4.6m) | 19.43 | 18.26 | 17.10 | CALL |
| CSMN15FF-25 | Deluxe Molded Cable, DB15 Female/Female, 25.0ft (7.6m) | 25.65 | 24.11 | 22.57 | CALL |
| CSMN15FF-50 | Deluxe Molded Cable, DB15 Female/Female, 50.0ft (15.2m) | 41.19 | 38.72 | 36.25 | CALL |

Deluxe 25 Pin D-Sub Molded Cables with Thumbscrews - Shielded and Fully Populated

| | | | | | |
|--------------|---|-------|-------|-------|------|
| CSMN25MM-1 | Deluxe Molded Cable, DB25 Male/Male, 1.0ft (0.3m) | 9.69 | 9.11 | 8.53 | CALL |
| CSMN25MM-2.5 | Deluxe Molded Cable, DB25 Male/Male, 2.5ft (0.8m) | 10.62 | 9.98 | 9.35 | CALL |
| CSMN25MM-5 | Deluxe Molded Cable, DB25 Male/Male, 5.0ft (1.5m) | 12.18 | 11.44 | 10.71 | CALL |
| CSMN25MM-10 | Deluxe Molded Cable, DB25 Male/Male, 10.0ft (3.0m) | 16.32 | 15.34 | 14.36 | CALL |
| CSMN25MM-15 | Deluxe Molded Cable, DB25 Male/Male, 15.0ft (4.6m) | 19.43 | 18.26 | 17.10 | CALL |
| CSMN25MM-25 | Deluxe Molded Cable, DB25 Male/Male, 25.0ft (7.6m) | 28.75 | 27.03 | 25.30 | CALL |
| CSMN25MM-125 | Deluxe Molded Cable, DB25 Male/Male, 125.0ft (38.1m) | 99.22 | 93.26 | 87.31 | CALL |
| CSMN25MF-1 | Deluxe Molded Cable, DB25 Male/Female, 1.0ft (0.3m) | 9.69 | 9.11 | 8.53 | CALL |
| CSMN25MF-2.5 | Deluxe Molded Cable, DB25 Male/Female, 2.5ft (0.8m) | 10.62 | 9.98 | 9.35 | CALL |
| CSMN25MF-5 | Deluxe Molded Cable, DB25 Male/Female, 5.0ft (1.5m) | 12.18 | 11.44 | 10.71 | CALL |
| CSMN25MF-10 | Deluxe Molded Cable, DB25 Male/Female, 10.0ft (3.0m) | 16.32 | 15.34 | 14.36 | CALL |
| CSMN25MF-15 | Deluxe Molded Cable, DB25 Male/Female, 15.0ft (4.6m) | 19.43 | 18.26 | 17.10 | CALL |
| CSMN25MF-25 | Deluxe Molded Cable, DB25 Male/Female, 25.0ft (7.6m) | 28.75 | 27.03 | 25.30 | CALL |
| CSMN25MF-50 | Deluxe Molded Cable, DB25 Male/Female, 50.0ft (15.2m) | 44.30 | 41.64 | 38.98 | CALL |
| CSMN25FF-1 | Deluxe Molded Cable, DB25 Female/Female, 1.0ft (0.3m) | 9.69 | 9.11 | 8.53 | CALL |
| CSMN25FF-2.5 | Deluxe Molded Cable, DB25 Female/Female, 2.5ft (0.8m) | 10.62 | 9.98 | 9.35 | CALL |
| CSMN25FF-5 | Deluxe Molded Cable, DB25 Female/Female, 5.0ft (1.5m) | 12.18 | 11.44 | 10.71 | CALL |
| CSMN25FF-10 | Deluxe Molded Cable, DB25 Female/Female, 10.0ft (3.0m) | 16.32 | 15.34 | 14.36 | CALL |
| CSMN25FF-15 | Deluxe Molded Cable, DB25 Female/Female, 15.0ft (4.6m) | 19.43 | 18.26 | 17.10 | CALL |
| CSMN25FF-25 | Deluxe Molded Cable, DB25 Female/Female, 25.0ft (7.6m) | 28.75 | 27.03 | 25.30 | CALL |
| CSMN25FF-50 | Deluxe Molded Cable, DB25 Female/Female, 50.0ft (15.2m) | 44.30 | 41.64 | 38.98 | CALL |

Replacement 4-40 Screws for CSMN Series Assemblies - Sold in 10/Packs

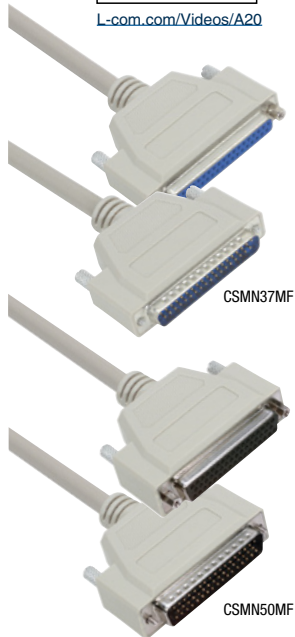
| | | | | | |
|---------|---|------|------|------|------|
| TS-CSMN | Replacement Screws for CSMN Series Assemblies, Pkg/10 | 4.92 | 4.63 | 4.33 | CALL |
|---------|---|------|------|------|------|



*Flammability/toxicity
ratings of cable jackets*

Online Video

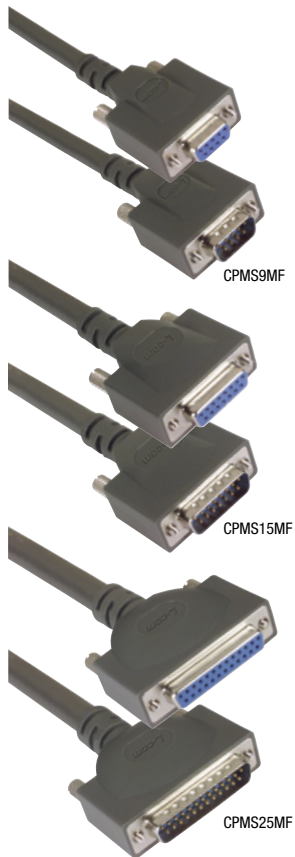
L-com.com/Videos/A20



CSMN37MF

CSMN50MF

More lengths available.
Go to L-com.com



CPMS9MF

CPMS15MF

CPMS25MF



TS-CSMN

| Item # | Description | 1-9 | 10-24 | 25-99 | 100+ |
|--|---|-------|-------|-------|------|
| Deluxe 37 Pin D-Sub Molded Cables with Thumbscrews - Shielded and Fully Populated | | | | | |
| CSMN37MM-1 | Deluxe Molded Cable, DB37 Male/Male, 1.0ft (0.3m) | 30.21 | 28.39 | 26.58 | CALL |
| CSMN37MM-2.5 | Deluxe Molded Cable, DB37 Male/Male, 2.5ft (0.8m) | 31.91 | 30.00 | 28.09 | CALL |
| CSMN37MM-5 | Deluxe Molded Cable, DB37 Male/Male, 5.0ft (1.5m) | 34.82 | 32.73 | 30.64 | CALL |
| CSMN37MM-10 | Deluxe Molded Cable, DB37 Male/Male, 10.0ft (3.0m) | 40.62 | 38.18 | 35.74 | CALL |
| CSMN37MM-25 | Deluxe Molded Cable, DB37 Male/Male, 25.0ft (7.6m) | 58.03 | 54.55 | 51.06 | CALL |
| CSMN37MM-50 | Deluxe Molded Cable, DB37 Male/Male, 50.0ft (15.2m) | 87.04 | 81.82 | 76.60 | CALL |
| CSMN37MF-1 | Deluxe Molded Cable, DB37 Male/Female, 1.0ft (0.3m) | 30.21 | 28.39 | 26.58 | CALL |
| CSMN37MF-2.5 | Deluxe Molded Cable, DB37 Male/Female, 2.5ft (0.8m) | 31.91 | 30.00 | 28.09 | CALL |
| CSMN37MF-5 | Deluxe Molded Cable, DB37 Male/Female, 5.0ft (1.5m) | 34.82 | 32.73 | 30.64 | CALL |
| CSMN37MF-10 | Deluxe Molded Cable, DB37 Male/Female, 10.0ft (3.0m) | 40.62 | 38.18 | 35.74 | CALL |
| CSMN37MF-25 | Deluxe Molded Cable, DB37 Male/Female, 25.0ft (7.6m) | 58.03 | 54.55 | 51.06 | CALL |
| CSMN37MF-50 | Deluxe Molded Cable, DB37 Male/Female, 50.0ft (15.2m) | 87.04 | 81.82 | 76.60 | CALL |

Deluxe 50 Pin D-Sub Molded Cables with Thumbscrews - Shielded and Fully Populated

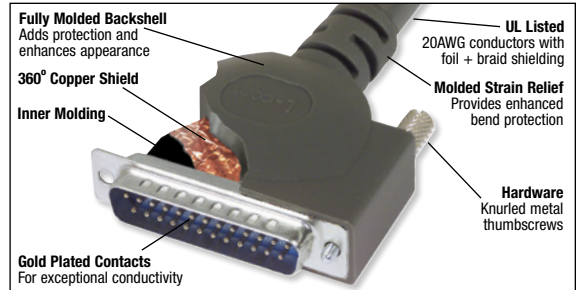
| | | | | | |
|--------------|---|--------|--------|--------|------|
| CSMN50MM-1 | Deluxe Molded Cable, DB50 Male/Male, 1.0ft (0.3m) | 54.56 | 51.28 | 48.01 | CALL |
| CSMN50MM-2.5 | Deluxe Molded Cable, DB50 Male/Male, 2.5ft (0.8m) | 59.79 | 56.20 | 52.61 | CALL |
| CSMN50MM-10 | Deluxe Molded Cable, DB50 Male/Male, 10.0ft (3.0m) | 85.90 | 80.75 | 75.59 | CALL |
| CSMN50MM-25 | Deluxe Molded Cable, DB50 Male/Male, 25.0ft (7.6m) | 138.13 | 129.84 | 121.55 | CALL |
| CSMN50MM-50 | Deluxe Molded Cable, DB50 Male/Male, 50.0ft (15.2m) | 225.17 | 211.66 | 198.15 | CALL |
| CSMN50MF-1 | Deluxe Molded Cable, DB50 Male/Female, 1.0ft (0.3m) | 54.56 | 51.28 | 48.01 | CALL |
| CSMN50MF-2.5 | Deluxe Molded Cable, DB50 Male/Female, 2.5ft (0.8m) | 59.79 | 56.20 | 52.61 | CALL |
| CSMN50MF-10 | Deluxe Molded Cable, DB50 Male/Female, 10.0ft (3.0m) | 85.90 | 80.75 | 75.59 | CALL |
| CSMN50MF-25 | Deluxe Molded Cable, DB50 Male/Female, 25.0ft (7.6m) | 138.13 | 129.84 | 121.55 | CALL |
| CSMN50MF-50 | Deluxe Molded Cable, DB50 Male/Female, 50.0ft (15.2m) | 225.17 | 211.66 | 198.15 | CALL |

Replacement 4-40 Screws for CSMN Series Assemblies - Sold in 10/Packs

| | | | | | |
|---------|---|------|------|------|------|
| TS-CSMN | Replacement Screws for CSMN Series Assemblies, Pkg/10 | 4.92 | 4.63 | 4.33 | CALL |
|---------|---|------|------|------|------|

Heavy Duty D-Sub Cables - 20 AWG Conductors, Double Shielded

L-com's ground breaking D-Sub cables use 20 AWG conductors, the largest conductor most D-Sub connectors can accommodate. This allows for maximum current throughput as well as an extremely durable assembly. Other key features include double shielding to prevent against data corrupting EMI/RFI, threaded inserts allowing the cable to be panel mounted directly without use of an adapter, and straight through wiring to accommodate most applications. Standard lengths range from 1 to 50ft (0.3 to 15.2m) and custom lengths/pinouts are available with modest minimum requirements.



Heavy Duty 9 Pin D-Sub Molded Cables with Thumbscrews - 20 AWG Conductors, Double Shielded

| | | | | | |
|-------------|--|--------|--------|--------|------|
| CPMS9MM-1 | Heavy Duty Molded Cable, DB9 Male/Male, 1.0ft (0.3m) | 18.06 | 16.98 | 15.89 | CALL |
| CPMS9MM-2.5 | Heavy Duty Molded Cable, DB9 Male/Male, 2.5ft (0.8m) | 21.16 | 19.89 | 18.62 | CALL |
| CPMS9MM-5 | Heavy Duty Molded Cable, DB9 Male/Male, 5.0ft (1.5m) | 26.22 | 24.65 | 23.07 | CALL |
| CPMS9MM-10 | Heavy Duty Molded Cable, DB9 Male/Male, 10.0ft (3.0m) | 36.39 | 34.21 | 32.03 | CALL |
| CPMS9MM-25 | Heavy Duty Molded Cable, DB9 Male/Male, 25.0ft (7.6m) | 66.97 | 62.95 | 58.93 | CALL |
| CPMS9MM-50 | Heavy Duty Molded Cable, DB9 Male/Male, 50.0ft (15.2m) | 117.89 | 110.81 | 103.74 | CALL |
| CPMS9MF-1 | Heavy Duty Molded Cable, DB9 Male/Female, 1.0ft (0.3m) | 18.06 | 16.98 | 15.89 | CALL |
| CPMS9MF-2.5 | Heavy Duty Molded Cable, DB9 Male/Female, 2.5ft (0.8m) | 21.16 | 19.89 | 18.62 | CALL |
| CPMS9MF-5 | Heavy Duty Molded Cable, DB9 Male/Female, 5.0ft (1.5m) | 26.22 | 24.65 | 23.07 | CALL |
| CPMS9MF-10 | Heavy Duty Molded Cable, DB9 Male/Female, 10.0ft (3.0m) | 36.39 | 34.21 | 32.03 | CALL |
| CPMS9MF-25 | Heavy Duty Molded Cable, DB9 Male/Female, 25.0ft (7.6m) | 66.97 | 62.95 | 58.93 | CALL |
| CPMS9MF-50 | Heavy Duty Molded Cable, DB9 Male/Female, 50.0ft (15.2m) | 117.89 | 110.81 | 103.74 | CALL |

Heavy Duty 15 Pin D-Sub Molded Cables with Thumbscrews - 20 AWG Conductors, Double Shielded

| | | | | | |
|--------------|---|--------|--------|--------|------|
| CPMS15MM-1 | Heavy Duty Molded Cable, DB15 Male/Male, 1.0ft (0.3m) | 25.08 | 23.57 | 22.07 | CALL |
| CPMS15MM-2.5 | Heavy Duty Molded Cable, DB15 Male/Male, 2.5ft (0.8m) | 29.87 | 28.07 | 26.28 | CALL |
| CPMS15MM-5 | Heavy Duty Molded Cable, DB15 Male/Male, 5.0ft (1.5m) | 37.86 | 35.59 | 33.32 | CALL |
| CPMS15MM-10 | Heavy Duty Molded Cable, DB15 Male/Male, 10.0ft (3.0m) | 53.86 | 50.63 | 47.39 | CALL |
| CPMS15MM-25 | Heavy Duty Molded Cable, DB15 Male/Male, 25.0ft (7.6m) | 101.89 | 95.78 | 89.67 | CALL |
| CPMS15MM-50 | Heavy Duty Molded Cable, DB15 Male/Male, 50.0ft (15.2m) | 181.92 | 171.00 | 160.09 | CALL |
| CPMS15MF-1 | Heavy Duty Molded Cable, DB15 Male/Female, 1.0ft (0.3m) | 25.08 | 23.57 | 22.07 | CALL |
| CPMS15MF-2.5 | Heavy Duty Molded Cable, DB15 Male/Female, 2.5ft (0.8m) | 29.87 | 28.07 | 26.28 | CALL |
| CPMS15MF-5 | Heavy Duty Molded Cable, DB15 Male/Female, 5.0ft (1.5m) | 37.86 | 35.59 | 33.32 | CALL |
| CPMS15MF-10 | Heavy Duty Molded Cable, DB15 Male/Female, 10.0ft (3.0m) | 53.86 | 50.63 | 47.39 | CALL |
| CPMS15MF-25 | Heavy Duty Molded Cable, DB15 Male/Female, 25.0ft (7.6m) | 101.89 | 95.78 | 89.67 | CALL |
| CPMS15MF-50 | Heavy Duty Molded Cable, DB15 Male/Female, 50.0ft (15.2m) | 181.92 | 171.00 | 160.09 | CALL |

Heavy Duty 25 Pin D-Sub Molded Cables with Thumbscrews - 20 AWG Conductors, Double Shielded

| | | | | | |
|--------------|---|--------|--------|--------|------|
| CPMS25MM-1 | Heavy Duty Molded Cable, DB25 Male/Male, 1.0ft (0.3m) | 33.18 | 31.19 | 29.20 | CALL |
| CPMS25MM-2.5 | Heavy Duty Molded Cable, DB25 Male/Male, 2.5ft (0.8m) | 41.51 | 39.02 | 36.53 | CALL |
| CPMS25MM-5 | Heavy Duty Molded Cable, DB25 Male/Male, 5.0ft (1.5m) | 55.33 | 52.01 | 48.69 | CALL |
| CPMS25MM-10 | Heavy Duty Molded Cable, DB25 Male/Male, 10.0ft (3.0m) | 82.96 | 77.98 | 73.01 | CALL |
| CPMS25MM-25 | Heavy Duty Molded Cable, DB25 Male/Male, 25.0ft (7.6m) | 165.92 | 155.97 | 146.01 | CALL |
| CPMS25MM-50 | Heavy Duty Molded Cable, DB25 Male/Male, 50.0ft (15.2m) | 304.15 | 285.90 | 267.65 | CALL |
| CPMS25MF-1 | Heavy Duty Molded Cable, DB25 Male/Female, 1.0ft (0.3m) | 33.18 | 31.19 | 29.20 | CALL |
| CPMS25MF-2.5 | Heavy Duty Molded Cable, DB25 Male/Female, 2.5ft (0.8m) | 41.51 | 39.02 | 36.53 | CALL |
| CPMS25MF-5 | Heavy Duty Molded Cable, DB25 Male/Female, 5.0ft (1.5m) | 55.33 | 52.01 | 48.69 | CALL |
| CPMS25MF-10 | Heavy Duty Molded Cable, DB25 Male/Female, 10.0ft (3.0m) | 82.96 | 77.98 | 73.01 | CALL |
| CPMS25MF-25 | Heavy Duty Molded Cable, DB25 Male/Female, 25.0ft (7.6m) | 165.92 | 155.97 | 146.01 | CALL |
| CPMS25MF-50 | Heavy Duty Molded Cable, DB25 Male/Female, 50.0ft (15.2m) | 304.15 | 285.90 | 267.65 | CALL |

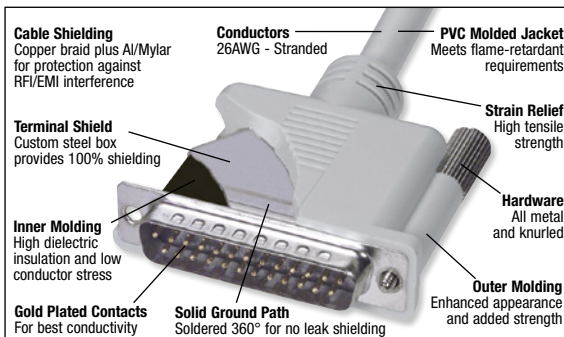
Replacement 4-40 Screws for CPMS Series Assemblies - Sold in 10/Packs

| | | | | | |
|---------|---|------|------|------|------|
| TS-CSMN | Replacement Screws for CPMS Series Assemblies, Pkg/10 | 4.92 | 4.63 | 4.33 | CALL |
|---------|---|------|------|------|------|

Premium D-Sub Cable Assemblies - Fully Populated and Double Shielded

The CS2N Series of D-Sub cable assemblies is our top of the line D-Sub cabling offering. These cables offer the best features for those applications where only the best will do. The bulk cable utilizes 26AWG stranded conductors with double shielding (copper braid plus aluminum mylar foil) and flexible PVC jacket. Fully molded backshells also have a unique stamped steel internal enclosure that provides the ultimate in shielding performance. Mounting is done via rugged 4-40 thumbscrews that are easy to grip without the need for a screwdriver. Hex nuts on female connectors are removable to expose 4-40 thumbscrews. Color is light gray.

- More lengths available. Go to L-com.com



No more D-Sub connector gender confusion

Online Video

L-com.com/Videos/A14

Best Seller

CS2N9MF

CS2H15MF

CS2N15MF

CS2N25MF

| Item # | Description | 1-9 | 10-24 | 25-99 | 100+ |
|--------|-------------|-----|-------|-------|------|
|--------|-------------|-----|-------|-------|------|

Premium 9 Pin D-Sub Cables - Molded, Fully Populated and Double Shielded

| | | | | | |
|-------------|---|-------|-------|-------|------|
| CS2N9MM-1 | Premium Molded Cable, DB9 Male/Male, 1.0ft (0.3m) | 15.44 | 14.51 | 13.59 | CALL |
| CS2N9MM-2.5 | Premium Molded Cable, DB9 Male/Male, 2.5ft (0.8m) | 16.84 | 15.83 | 14.82 | CALL |
| CS2N9MM-6 | Premium Molded Cable, DB9 Male/Male, 6.0ft (1.8m) | 20.10 | 18.90 | 17.69 | CALL |
| CS2N9MM-10 | Premium Molded Cable, DB9 Male/Male, 10.0ft (3.0m) | 23.83 | 22.40 | 20.97 | CALL |
| CS2N9MM-15 | Premium Molded Cable, DB9 Male/Male, 15.0ft (4.6m) | 28.50 | 26.79 | 25.08 | CALL |
| CS2N9MM-25 | Premium Molded Cable, DB9 Male/Male, 25.0ft (7.6m) | 37.82 | 35.55 | 33.28 | CALL |
| CS2N9MM-50 | Premium Molded Cable, DB9 Male/Male, 50.0ft (15.2m) | 61.14 | 57.47 | 53.80 | CALL |
| CS2N9MF-1 | Premium Molded Cable, DB9 Male/Female, 1.0ft (0.3m) | 15.44 | 14.51 | 13.59 | CALL |
| CS2N9MF-2.5 | Premium Molded Cable, DB9 Male/Female, 2.5ft (0.8m) | 16.84 | 15.83 | 14.82 | CALL |
| CS2N9MF-6 | Premium Molded Cable, DB9 Male/Female, 6.0ft (1.8m) | 20.10 | 18.90 | 17.69 | CALL |
| CS2N9MF-10 | Premium Molded Cable, DB9 Male/Female, 10.0ft (3.0m) | 23.83 | 22.40 | 20.97 | CALL |
| CS2N9MF-15 | Premium Molded Cable, DB9 Male/Female, 15.0ft (4.6m) | 28.50 | 26.79 | 25.08 | CALL |
| CS2N9MF-25 | Premium Molded Cable, DB9 Male/Female, 25.0ft (7.6m) | 37.82 | 35.55 | 33.28 | CALL |
| CS2N9MF-50 | Premium Molded Cable, DB9 Male/Female, 50.0ft (15.2m) | 61.14 | 57.47 | 53.80 | CALL |

Premium HD15 D-Sub Cables - Molded, Fully Populated and Double Shielded

| | | | | | |
|--------------|--|-------|-------|-------|------|
| CS2H15MM-1 | Premium Molded Cable, HD15 Male/Male, 1.0ft (0.3m) | 20.67 | 19.43 | 18.19 | CALL |
| CS2H15MM-2.5 | Premium Molded Cable, HD15 Male/Male, 2.5ft (0.8m) | 22.33 | 20.99 | 19.65 | CALL |
| CS2H15MM-5 | Premium Molded Cable, HD15 Male/Male, 5.0ft (1.5m) | 25.02 | 23.52 | 22.02 | CALL |
| CS2H15MM-10 | Premium Molded Cable, HD15 Male/Male, 10.0ft (3.0m) | 30.46 | 28.64 | 26.81 | CALL |
| CS2H15MM-25 | Premium Molded Cable, HD15 Male/Male, 25.0ft (7.6m) | 46.78 | 43.98 | 41.17 | CALL |
| CS2H15MM-50 | Premium Molded Cable, HD15 Male/Male, 50.0ft (15.2m) | 73.98 | 69.55 | 65.11 | CALL |
| CS2H15MF-1 | Premium Molded Cable, HD15 Male/Female, 1.0ft (0.3m) | 20.67 | 19.43 | 18.19 | CALL |
| CS2H15MF-2.5 | Premium Molded Cable, HD15 Male/Female, 2.5ft (0.8m) | 22.33 | 20.99 | 19.65 | CALL |
| CS2H15MF-5 | Premium Molded Cable, HD15 Male/Female, 5.0ft (1.5m) | 25.02 | 23.52 | 22.02 | CALL |
| CS2H15MF-10 | Premium Molded Cable, HD15 Male/Female, 10.0ft (3.0m) | 30.46 | 28.64 | 26.81 | CALL |
| CS2H15MF-25 | Premium Molded Cable, HD15 Male/Female, 25.0ft (7.6m) | 46.78 | 43.98 | 41.17 | CALL |
| CS2H15MF-50 | Premium Molded Cable, HD15 Male/Female, 50.0ft (15.2m) | 73.98 | 69.55 | 65.11 | CALL |

Premium DB15 D-Sub Cables - Molded, Fully Populated and Double Shielded

| | | | | | |
|--------------|---|-------|-------|-------|------|
| CS2N15MM-1 | Premium Molded Cable, DB15 Male/Male, 1.0ft (0.3m) | 19.90 | 18.70 | 17.51 | CALL |
| CS2N15MM-2.5 | Premium Molded Cable, DB15 Male/Male, 2.5ft (0.8m) | 21.14 | 19.87 | 18.60 | CALL |
| CS2N15MM-5 | Premium Molded Cable, DB15 Male/Male, 5.0ft (1.5m) | 22.80 | 21.43 | 20.06 | CALL |
| CS2N15MM-10 | Premium Molded Cable, DB15 Male/Male, 10.0ft (3.0m) | 26.42 | 24.84 | 23.25 | CALL |
| CS2N15MM-25 | Premium Molded Cable, DB15 Male/Male, 25.0ft (7.6m) | 37.30 | 35.07 | 32.83 | CALL |
| CS2N15MF-1 | Premium Molded Cable, DB15 Male/Female, 1.0ft (0.3m) | 19.90 | 18.70 | 17.51 | CALL |
| CS2N15MF-2.5 | Premium Molded Cable, DB15 Male/Female, 2.5ft (0.8m) | 21.14 | 19.87 | 18.60 | CALL |
| CS2N15MF-5 | Premium Molded Cable, DB15 Male/Female, 5.0ft (1.5m) | 22.80 | 21.43 | 20.06 | CALL |
| CS2N15MF-10 | Premium Molded Cable, DB15 Male/Female, 10.0ft (3.0m) | 26.42 | 24.84 | 23.25 | CALL |
| CS2N15MF-25 | Premium Molded Cable, DB15 Male/Female, 25.0ft (7.6m) | 37.30 | 35.07 | 32.83 | CALL |

Premium 25 Pin D-Sub Cables - Molded, Fully Populated and Double Shielded

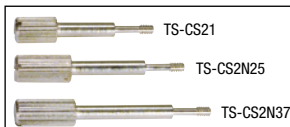
| | | | | | |
|--------------|---|-------|-------|-------|------|
| CS2N15MM-1 | Premium Molded Cable, DB15 Male/Male, 1.0ft (0.3m) | 19.90 | 18.70 | 17.51 | CALL |
| CS2N15MM-2.5 | Premium Molded Cable, DB15 Male/Male, 2.5ft (0.8m) | 21.14 | 19.87 | 18.60 | CALL |
| CS2N15MM-5 | Premium Molded Cable, DB15 Male/Male, 5.0ft (1.5m) | 22.80 | 21.43 | 20.06 | CALL |
| CS2N15MM-10 | Premium Molded Cable, DB15 Male/Male, 10.0ft (3.0m) | 26.42 | 24.84 | 23.25 | CALL |
| CS2N15MM-25 | Premium Molded Cable, DB15 Male/Male, 25.0ft (7.6m) | 37.30 | 35.07 | 32.83 | CALL |
| CS2N15MF-1 | Premium Molded Cable, DB15 Male/Female, 1.0ft (0.3m) | 19.90 | 18.70 | 17.51 | CALL |
| CS2N15MF-2.5 | Premium Molded Cable, DB15 Male/Female, 2.5ft (0.8m) | 21.14 | 19.87 | 18.60 | CALL |
| CS2N15MF-5 | Premium Molded Cable, DB15 Male/Female, 5.0ft (1.5m) | 22.80 | 21.43 | 20.06 | CALL |
| CS2N15MF-10 | Premium Molded Cable, DB15 Male/Female, 10.0ft (3.0m) | 26.42 | 24.84 | 23.25 | CALL |
| CS2N15MF-25 | Premium Molded Cable, DB15 Male/Female, 25.0ft (7.6m) | 37.30 | 35.07 | 32.83 | CALL |

Premium 37 Pin D-Sub Cables - Molded, Fully Populated and Double Shielded

| | | | | | |
|--------------|---|-------|-------|-------|------|
| CS2N37MM-1 | Premium Molded Cable, DB37 Male/Male, 1.0ft (0.3m) | 39.74 | 37.35 | 34.97 | CALL |
| CS2N37MM-2.5 | Premium Molded Cable, DB37 Male/Male, 2.5ft (0.8m) | 42.17 | 39.64 | 37.11 | CALL |
| CS2N37MM-5 | Premium Molded Cable, DB37 Male/Male, 5.0ft (1.5m) | 46.27 | 43.49 | 40.71 | CALL |
| CS2N37MM-10 | Premium Molded Cable, DB37 Male/Male, 10.0ft (3.0m) | 54.40 | 51.14 | 47.87 | CALL |
| CS2N37MM-25 | Premium Molded Cable, DB37 Male/Male, 25.0ft (7.6m) | 78.91 | 74.17 | 69.44 | CALL |
| CS2N37MF-1 | Premium Molded Cable, DB37 Male/Female, 1.0ft (0.3m) | 39.74 | 37.35 | 34.97 | CALL |
| CS2N37MF-2.5 | Premium Molded Cable, DB37 Male/Female, 2.5ft (0.8m) | 42.17 | 39.64 | 37.11 | CALL |
| CS2N37MF-5 | Premium Molded Cable, DB37 Male/Female, 5.0ft (1.5m) | 46.27 | 43.49 | 40.71 | CALL |
| CS2N37MF-10 | Premium Molded Cable, DB37 Male/Female, 10.0ft (3.0m) | 54.40 | 51.14 | 47.87 | CALL |
| CS2N37MF-25 | Premium Molded Cable, DB37 Male/Female, 25.0ft (7.6m) | 78.91 | 74.17 | 69.44 | CALL |

Replacement 4-40 Screws for CS2N and CS2H Series Assemblies - Sold in 10/Packs

| | | | | | |
|-----------|--|------|------|------|------|
| TS-CS21 | Replacement Screws for CS2N9, CS2N15, CS2H15 Series Assemblies, Pkg/10 | 4.25 | 3.99 | 3.74 | CALL |
| TS-CS2N25 | Replacement Screws for CS2N25 Series Assemblies, Pkg/10 | 4.25 | 3.99 | 3.74 | CALL |
| TS-CS2N37 | Replacement Screws for CS2N37 Series Assemblies, Pkg/10 | 4.66 | 4.38 | 4.10 | CALL |



More lengths available.
Go to L-com.com



CS2NB9MF



CS2HB15MF

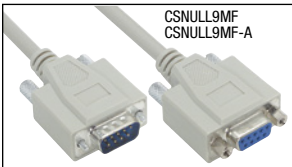
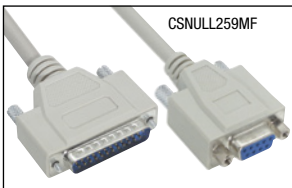


CS2NB25MF



TS-CS21

TS-CS2N25

CSNULL9MF
CSNULL9MF-A

CSNULL259MF

See detailed drawings for wiring
information at L-com.com

| Item # | Description | 1-9 | 10-24 | 25-99 | 100+ |
|---|---|-------|-------|-------|------|
| Premium 9 Pin Black D-Sub Cables - Molded, Fully Populated and Double Shielded | | | | | |
| CS2NB9MM-1 | Premium Molded Black Cable, DB9 Male/Male, 1.0ft (0.3m) | 15.44 | 14.51 | 13.59 | CALL |
| CS2NB9MM-2.5 | Premium Molded Black Cable, DB9 Male/Male, 2.5ft (0.8m) | 16.84 | 15.83 | 14.82 | CALL |
| CS2NB9MM-5 | Premium Molded Black Cable, DB9 Male/Male, 5.0ft (1.5m) | 19.17 | 18.02 | 16.87 | CALL |
| CS2NB9MM-10 | Premium Molded Black Cable, DB9 Male/Male, 10.0ft (3.0m) | 23.83 | 22.40 | 20.97 | CALL |
| CS2NB9MM-15 | Premium Molded Black Cable, DB9 Male/Male, 15.0ft (4.6m) | 28.50 | 26.79 | 25.08 | CALL |
| CS2NB9MM-25 | Premium Molded Black Cable, DB9 Male/Male, 25.0ft (7.6m) | 37.82 | 35.55 | 33.28 | CALL |
| CS2NB9MM-50 | Premium Molded Black Cable, DB9 Male/Male, 50.0ft (15.2m) | 61.14 | 57.47 | 53.80 | CALL |
| CS2NB9MF-1 | Premium Molded Black Cable, DB9 Male/Female, 1.0ft (0.3m) | 15.44 | 14.51 | 13.59 | CALL |
| CS2NB9MF-2.5 | Premium Molded Black Cable, DB9 Male/Female, 2.5ft (0.8m) | 16.84 | 15.83 | 14.82 | CALL |
| CS2NB9MF-5 | Premium Molded Black Cable, DB9 Male/Female, 5.0ft (1.5m) | 19.17 | 18.02 | 16.87 | CALL |
| CS2NB9MF-10 | Premium Molded Black Cable, DB9 Male/Female, 10.0ft (3.0m) | 23.83 | 22.40 | 20.97 | CALL |
| CS2NB9MF-25 | Premium Molded Black Cable, DB9 Male/Female, 25.0ft (7.6m) | 37.82 | 35.55 | 33.28 | CALL |
| CS2NB9MF-50 | Premium Molded Black Cable, DB9 Male/Female, 50.0ft (15.2m) | 61.14 | 57.47 | 53.80 | CALL |

Premium HD15 Pin Black D-Sub Cables - Molded, Fully Populated and Double Shielded

| | | | | | |
|---------------|--|-------|-------|-------|------|
| CS2HB15MM-1 | Premium Molded Black Cable, HD15 Male/Male, 1.0ft (0.3m) | 20.67 | 19.43 | 18.19 | CALL |
| CS2HB15MM-2.5 | Premium Molded Black Cable, HD15 Male/Male, 2.5ft (0.8m) | 22.33 | 20.99 | 19.65 | CALL |
| CS2HB15MM-5 | Premium Molded Black Cable, HD15 Male/Male, 5.0ft (1.5m) | 25.02 | 23.52 | 22.02 | CALL |
| CS2HB15MM-10 | Premium Molded Black Cable, HD15 Male/Male, 10.0ft (3.0m) | 30.46 | 28.64 | 26.81 | CALL |
| CS2HB15MM-15 | Premium Molded Black Cable, HD15 Male/Male, 15.0ft (4.6m) | 35.90 | 33.75 | 31.60 | CALL |
| CS2HB15MM-25 | Premium Molded Black Cable, HD15 Male/Male, 25.0ft (7.6m) | 46.78 | 43.98 | 41.17 | CALL |
| CS2HB15MM-50 | Premium Molded Black Cable, HD15 Male/Male, 50.0ft (15.2m) | 73.98 | 69.55 | 65.11 | CALL |
| CS2HB15MF-1 | Premium Molded Black Cable, HD15 Male/Female, 1.0ft (0.3m) | 20.67 | 19.43 | 18.19 | CALL |
| CS2HB15MF-2.5 | Premium Molded Black Cable, HD15 Male/Female, 2.5ft (0.8m) | 22.33 | 20.99 | 19.65 | CALL |
| CS2HB15MF-5 | Premium Molded Black Cable, HD15 Male/Female, 5.0ft (1.5m) | 25.02 | 23.52 | 22.02 | CALL |
| CS2HB15MF-10 | Premium Molded Black Cable, HD15 Male/Female, 10.0ft (3.0m) | 30.46 | 28.64 | 26.81 | CALL |
| CS2HB15MF-15 | Premium Molded Black Cable, HD15 Male/Female, 15.0ft (4.6m) | 35.90 | 33.75 | 31.60 | CALL |
| CS2HB15MF-25 | Premium Molded Black Cable, HD15 Male/Female, 25.0ft (7.6m) | 46.78 | 43.98 | 41.17 | CALL |
| CS2HB15MF-50 | Premium Molded Black Cable, HD15 Male/Female, 50.0ft (15.2m) | 73.98 | 69.55 | 65.11 | CALL |

Premium 15 Pin Black D-Sub Cables - Molded, Fully Populated and Double Shielded

| | | | | | |
|---------------|--|-------|-------|-------|------|
| CS2NB15MM-1 | Premium Molded Black Cable, DB15 Male/Male, 1.0ft (0.3m) | 19.69 | 18.51 | 17.33 | CALL |
| CS2NB15MM-2.5 | Premium Molded Black Cable, DB15 Male/Male, 2.5ft (0.8m) | 21.24 | 19.97 | 18.69 | CALL |
| CS2NB15MM-5 | Premium Molded Black Cable, DB15 Male/Male, 5.0ft (1.5m) | 23.83 | 22.40 | 20.97 | CALL |
| CS2NB15MM-15 | Premium Molded Black Cable, DB15 Male/Male, 15.0ft (4.6m) | 34.19 | 32.14 | 30.09 | CALL |
| CS2NB15MM-25 | Premium Molded Black Cable, DB15 Male/Male, 25.0ft (7.6m) | 44.56 | 41.88 | 39.21 | CALL |
| CS2NB15MM-50 | Premium Molded Black Cable, DB15 Male/Male, 50.0ft (15.2m) | 70.46 | 66.23 | 62.01 | CALL |
| CS2NB15MF-1 | Premium Molded Black Cable, DB15 Male/Female, 1.0ft (0.3m) | 19.69 | 18.51 | 17.33 | CALL |
| CS2NB15MF-2.5 | Premium Molded Black Cable, DB15 Male/Female, 2.5ft (0.8m) | 21.24 | 19.97 | 18.69 | CALL |
| CS2NB15MF-5 | Premium Molded Black Cable, DB15 Male/Female, 5.0ft (1.5m) | 23.83 | 22.40 | 20.97 | CALL |
| CS2NB15MF-10 | Premium Molded Black Cable, DB15 Male/Female, 10.0ft (3.0m) | 29.01 | 27.27 | 25.53 | CALL |
| CS2NB15MF-15 | Premium Molded Black Cable, DB15 Male/Female, 15.0ft (4.6m) | 34.19 | 32.14 | 30.09 | CALL |
| CS2NB15MF-25 | Premium Molded Black Cable, DB15 Male/Female, 25.0ft (7.6m) | 44.56 | 41.88 | 39.21 | CALL |
| CS2NB15MF-50 | Premium Molded Black Cable, DB15 Male/Female, 50.0ft (15.2m) | 70.46 | 66.23 | 62.01 | CALL |

Premium 25 Pin Black D-Sub Cables - Molded, Fully Populated and Double Shielded

| | | | | | |
|---------------|--|-------|-------|-------|------|
| CS2NB25MM-1 | Premium Molded Black Cable, DB25 Male/Male, 1.0ft (0.3m) | 21.76 | 20.45 | 19.15 | CALL |
| CS2NB25MM-2.5 | Premium Molded Black Cable, DB25 Male/Male, 2.5ft (0.8m) | 23.31 | 21.92 | 20.52 | CALL |
| CS2NB25MM-5 | Premium Molded Black Cable, DB25 Male/Male, 5.0ft (1.5m) | 25.91 | 24.35 | 22.80 | CALL |
| CS2NB25MM-10 | Premium Molded Black Cable, DB25 Male/Male, 10.0ft (3.0m) | 31.09 | 29.22 | 27.36 | CALL |
| CS2NB25MM-15 | Premium Molded Black Cable, DB25 Male/Male, 15.0ft (4.6m) | 36.27 | 34.09 | 31.91 | CALL |
| CS2NB25MM-25 | Premium Molded Black Cable, DB25 Male/Male, 25.0ft (7.6m) | 46.63 | 43.83 | 41.03 | CALL |
| CS2NB25MM-50 | Premium Molded Black Cable, DB25 Male/Male, 50.0ft (15.2m) | 72.53 | 68.18 | 63.83 | CALL |
| CS2NB25MF-1 | Premium Molded Black Cable, DB25 Male/Female, 1.0ft (0.3m) | 21.76 | 20.45 | 19.15 | CALL |
| CS2NB25MF-2.5 | Premium Molded Black Cable, DB25 Male/Female, 2.5ft (0.8m) | 23.31 | 21.92 | 20.52 | CALL |
| CS2NB25MF-5 | Premium Molded Black Cable, DB25 Male/Female, 5.0ft (1.5m) | 25.91 | 24.35 | 22.80 | CALL |
| CS2NB25MF-10 | Premium Molded Black Cable, DB25 Male/Female, 10.0ft (3.0m) | 31.09 | 29.22 | 27.36 | CALL |
| CS2NB25MF-25 | Premium Molded Black Cable, DB25 Male/Female, 25.0ft (7.6m) | 46.63 | 43.83 | 41.03 | CALL |
| CS2NB25MF-50 | Premium Molded Black Cable, DB25 Male/Female, 50.0ft (15.2m) | 72.53 | 68.18 | 63.83 | CALL |

Replacement 4-40 Screws for CS2NB and CS2HB Series Assemblies - Sold in 10/Packs

| | | | | | |
|-----------|---|------|------|------|------|
| TS-CS21 | Replacement Screws for CS2NB9, CS2NB15, CS2HB15 Series Assemblies, Pkg/10 | 4.25 | 3.99 | 3.74 | CALL |
| TS-CS2N25 | Replacement Screws for CS2NB25 Series Assemblies, Pkg/10 | 4.25 | 3.99 | 3.74 | CALL |

Deluxe Null Modem Cable Assemblies with Thumbscrews, Fully Shielded

The CSNULL series of cable assemblies features the same construction as the CSMN series but is wired to the most common null modem wiring schemes. The transmit data and receive data signals are crossed to allow two DTE or DCE devices to communicate.

| | | | | | |
|----------------|--|-------|-------|-------|------|
| CSNULL9FF-5 | Deluxe Null Modem Cable, DB9 Female/Female, 5.0ft (1.5m) | 12.28 | 11.30 | 10.31 | CALL |
| CSNULL9FF-10 | Deluxe Null Modem Cable, DB9 Female/Female, 10.0ft (3.0m) | 14.25 | 13.11 | 11.97 | CALL |
| CSNULL9FF-25 | Deluxe Null Modem Cable, DB9 Female/Female, 25.0ft (7.6m) | 20.26 | 18.64 | 17.02 | CALL |
| CSNULL9MF-5 | Deluxe Null Modem Cable, DB9 Male/Female, 5.0ft (1.5m) | 12.28 | 11.30 | 10.31 | CALL |
| CSNULL9MF-10 | Deluxe Null Modem Cable, DB9 Male/Female, 10.0ft (3.0m) | 14.25 | 13.11 | 11.97 | CALL |
| CSNULL9MF-25 | Deluxe Null Modem Cable, DB9 Male/Female, 25.0ft (7.6m) | 20.26 | 18.64 | 17.02 | CALL |
| CSNULL9FF-5A | Deluxe Null Modem Cable, DB9 Female/Female, 5.0ft (1.5m) | 12.28 | 11.30 | 10.31 | CALL |
| CSNULL9FF-10A | Deluxe Null Modem Cable, DB9 Female/Female, 10.0ft (3.0m) | 14.25 | 13.11 | 11.97 | CALL |
| CSNULL9FF-25A | Deluxe Null Modem Cable, DB9 Female/Female, 25.0ft (7.6m) | 20.26 | 18.64 | 17.02 | CALL |
| CSNULL9MF-5A | Deluxe Null Modem Cable, DB9 Male/Female, 5.0ft (1.5m) | 12.28 | 11.30 | 10.31 | CALL |
| CSNULL9MF-10A | Deluxe Null Modem Cable, DB9 Male/Female, 10.0ft (3.0m) | 14.25 | 13.11 | 11.97 | CALL |
| CSNULL9MF-25A | Deluxe Null Modem Cable, DB9 Male/Female, 25.0ft (7.6m) | 20.26 | 18.64 | 17.02 | CALL |
| CSNULL259MF-5 | Deluxe Null Modem Cable, DB25 Male/DB9 Female, 5.0ft (1.5m) | 12.85 | 11.82 | 10.79 | CALL |
| CSNULL259MF-10 | Deluxe Null Modem Cable, DB25 Male/DB9 Female, 10.0ft (3.0m) | 14.82 | 13.63 | 12.45 | CALL |
| CSNULL259MF-25 | Deluxe Null Modem Cable, DB25 Male/DB9 Female, 25.0ft (7.6m) | 20.83 | 19.16 | 17.50 | CALL |

| Item # | Description | 1-9 | 10-24 | 25-99 | 100+ |
|--------|-------------|-----|-------|-------|------|
|--------|-------------|-----|-------|-------|------|

Deluxe Molded Black D-Sub Cables

These cables give the user the option to color match to black equipment and are constructed identically to our CSMN light gray cable series.

Deluxe 9 Pin D-Sub Molded Cables - Shielded and Fully Populated

| | | | | | |
|--------------|--|-------|-------|-------|------|
| CSMNB9MM-1 | Deluxe Molded Cable, DB9 Male/Male, 1.0ft (0.3m) | 6.99 | 6.43 | 5.88 | CALL |
| CSMNB9MM-5 | Deluxe Molded Cable, DB9 Male/Male, 5.0ft (1.5m) | 9.07 | 8.34 | 7.62 | CALL |
| CSMNB9MM-10 | Deluxe Molded Cable, DB9 Male/Male, 10.0ft (3.0m) | 11.66 | 10.72 | 9.79 | CALL |
| CSMNB9MM-25 | Deluxe Molded Cable, DB9 Male/Male, 25.0ft (7.6m) | 19.43 | 17.87 | 16.32 | CALL |
| CSMNB9MM-50 | Deluxe Molded Cable, DB9 Male/Male, 50.0ft (15.2m) | 32.38 | 29.79 | 27.20 | CALL |
| CSMNB9MF-2.5 | Deluxe Molded Cable, DB9 Male/Female, 2.5ft (0.8m) | 7.77 | 7.15 | 6.53 | CALL |
| CSMNB9MF-5 | Deluxe Molded Cable, DB9 Male/Female, 5.0ft (1.5m) | 9.07 | 8.34 | 7.62 | CALL |
| CSMNB9MF-10 | Deluxe Molded Cable, DB9 Male/Female, 10.0ft (3.0m) | 11.66 | 10.72 | 9.79 | CALL |
| CSMNB9MF-15 | Deluxe Molded Cable, DB9 Male/Female, 15.0ft (4.6m) | 14.25 | 13.11 | 11.97 | CALL |
| CSMNB9MF-50 | Deluxe Molded Cable, DB9 Male/Female, 50.0ft (15.2m) | 32.38 | 29.79 | 27.20 | CALL |

Deluxe 15 Pin D-Sub Molded Cables - Shielded and Fully Populated

| | | | | | |
|---------------|---|-------|-------|-------|------|
| CSMNB15MM-1 | Deluxe Molded Cable, DB15 Male/Male, 1.0ft (0.3m) | 10.72 | 10.08 | 9.44 | CALL |
| CSMNB15MM-5 | Deluxe Molded Cable, DB15 Male/Male, 5.0ft (1.5m) | 13.21 | 12.42 | 11.63 | CALL |
| CSMNB15MM-10 | Deluxe Molded Cable, DB15 Male/Male, 10.0ft (3.0m) | 16.32 | 15.34 | 14.36 | CALL |
| CSMNB15MM-25 | Deluxe Molded Cable, DB15 Male/Male, 25.0ft (7.6m) | 25.65 | 24.11 | 22.57 | CALL |
| CSMNB15MM-50 | Deluxe Molded Cable, DB15 Male/Male, 50.0ft (15.2m) | 41.19 | 38.72 | 36.25 | CALL |
| CSMNB15MF-1 | Deluxe Molded Cable, DB15 Male/Female, 1.0ft (0.3m) | 10.72 | 10.08 | 9.44 | CALL |
| CSMNB15MF-2.5 | Deluxe Molded Cable, DB15 Male/Female, 2.5ft (0.8m) | 11.66 | 10.96 | 10.26 | CALL |
| CSMNB15MF-5 | Deluxe Molded Cable, DB15 Male/Female, 5.0ft (1.5m) | 13.21 | 12.42 | 11.63 | CALL |
| CSMNB15MF-10 | Deluxe Molded Cable, DB15 Male/Female, 10.0ft (3.0m) | 16.32 | 15.34 | 14.36 | CALL |
| CSMNB15MF-15 | Deluxe Molded Cable, DB15 Male/Female, 15.0ft (4.6m) | 19.43 | 18.26 | 17.10 | CALL |
| CSMNB15MF-25 | Deluxe Molded Cable, DB15 Male/Female, 25.0ft (7.6m) | 25.65 | 24.11 | 22.57 | CALL |
| CSMNB15MF-50 | Deluxe Molded Cable, DB15 Male/Female, 50.0ft (15.2m) | 41.19 | 38.72 | 36.25 | CALL |

Deluxe 25 Pin D-Sub Molded Cables - Shielded and Fully Populated

| | | | | | |
|---------------|---|-------|-------|-------|------|
| CSMNB25MM-1 | Deluxe Molded Cable, DB25 Male/Male, 1.0ft (0.3m) | 9.69 | 9.11 | 8.53 | CALL |
| CSMNB25MM-5 | Deluxe Molded Cable, DB25 Male/Male, 5.0ft (1.5m) | 12.18 | 11.44 | 10.71 | CALL |
| CSMNB25MM-10 | Deluxe Molded Cable, DB25 Male/Male, 10.0ft (3.0m) | 16.32 | 15.34 | 14.36 | CALL |
| CSMNB25MM-25 | Deluxe Molded Cable, DB25 Male/Male, 25.0ft (7.6m) | 28.75 | 27.03 | 25.30 | CALL |
| CSMNB25MM-50 | Deluxe Molded Cable, DB25 Male/Male, 50.0ft (15.2m) | 44.30 | 41.64 | 38.98 | CALL |
| CSMNB25MF-2.5 | Deluxe Molded Cable, DB25 Male/Female, 2.5ft (0.8m) | 10.62 | 9.98 | 9.35 | CALL |
| CSMNB25MF-5 | Deluxe Molded Cable, DB25 Male/Female, 5.0ft (1.5m) | 12.18 | 11.44 | 10.71 | CALL |
| CSMNB25MF-10 | Deluxe Molded Cable, DB25 Male/Female, 10.0ft (3.0m) | 16.32 | 15.34 | 14.36 | CALL |
| CSMNB25MF-15 | Deluxe Molded Cable, DB25 Male/Female, 15.0ft (4.6m) | 19.43 | 18.26 | 17.10 | CALL |
| CSMNB25MF-50 | Deluxe Molded Cable, DB25 Male/Female, 50.0ft (15.2m) | 44.30 | 41.64 | 38.98 | CALL |

Low Smoke Zero Halogen (LSZH) D-Sub Cable Assemblies, DB9, DB15 and DB25

LSZH D-Sub cable assemblies are available in DB9, DB15 and DB25 connector sizes with male to male and male to female configurations. Cable is 24AWG with a foil/braid shield.

Low Smoke Zero Halogen 9 Pin D-Sub Cables - Fully Populated and Double Shielded

| | | | | | |
|--------------|--|--------|--------|--------|------|
| CSMUZ9MM-1 | LSZH Cable, DB9 Male/Male, 1.0ft (0.3m) | 28.75 | 27.60 | 26.45 | CALL |
| CSMUZ9MM-5 | LSZH Cable, DB9 Male/Male, 5.0ft (1.5m) | 34.97 | 33.57 | 32.17 | CALL |
| CSMUZ9MM-10 | LSZH Cable, DB9 Male/Male, 10.0ft (3.0m) | 42.74 | 41.03 | 39.32 | CALL |
| CSMUZ9MM-25 | LSZH Cable, DB9 Male/Male, 25.0ft (7.6m) | 58.29 | 55.95 | 53.62 | CALL |
| CSMUZ9MM-125 | LSZH Cable, DB9 Male/Male, 125.0ft (38.1m) | 213.72 | 205.17 | 196.62 | CALL |
| CSMUZ9MF-1 | LSZH Cable, DB9 Male/Female, 1.0ft (0.3m) | 28.75 | 27.60 | 26.45 | CALL |
| CSMUZ9MF-5 | LSZH Cable, DB9 Male/Female, 5.0ft (1.5m) | 34.97 | 33.57 | 32.17 | CALL |
| CSMUZ9MF-10 | LSZH Cable, DB9 Male/Female, 10.0ft (3.0m) | 42.74 | 41.03 | 39.32 | CALL |
| CSMUZ9MF-25 | LSZH Cable, DB9 Male/Female, 25.0ft (7.6m) | 58.29 | 55.95 | 53.62 | CALL |
| CSMUZ9MF-125 | LSZH Cable, DB9 Male/Female, 125.0ft (38.1m) | 213.72 | 205.17 | 196.62 | CALL |

Low Smoke Zero Halogen 15 Pin D-Sub Cables - Fully Populated and Double Shielded

| | | | | | |
|---------------|---|--------|--------|--------|------|
| CSMUZ15MM-1 | LSZH Cable, DB15 Male/Male, 1.0ft (0.3m) | 30.57 | 29.35 | 28.12 | CALL |
| CSMUZ15MM-2.5 | LSZH Cable, DB15 Male/Male, 2.5ft (0.8m) | 33.68 | 32.33 | 30.98 | CALL |
| CSMUZ15MM-5 | LSZH Cable, DB15 Male/Male, 5.0ft (1.5m) | 38.86 | 37.30 | 35.75 | CALL |
| CSMUZ15MM-10 | LSZH Cable, DB15 Male/Male, 10.0ft (3.0m) | 49.22 | 47.25 | 45.28 | CALL |
| CSMUZ15MM-15 | LSZH Cable, DB15 Male/Male, 15.0ft (4.6m) | 59.58 | 57.20 | 54.81 | CALL |
| CSMUZ15MM-25 | LSZH Cable, DB15 Male/Male, 25.0ft (7.6m) | 68.39 | 65.65 | 62.92 | CALL |
| CSMUZ15MM-50 | LSZH Cable, DB15 Male/Male, 50.0ft (15.2m) | 120.20 | 115.39 | 110.58 | CALL |
| CSMUZ15MM-125 | LSZH Cable, DB15 Male/Male, 125.0ft (38.1m) | 275.63 | 264.60 | 253.58 | CALL |
| CSMUZ15MF-1 | LSZH Cable, DB15 Male/Female, 1.0ft (0.3m) | 30.57 | 29.35 | 28.12 | CALL |
| CSMUZ15MF-2.5 | LSZH Cable, DB15 Male/Female, 2.5ft (0.8m) | 33.68 | 32.33 | 30.98 | CALL |
| CSMUZ15MF-5 | LSZH Cable, DB15 Male/Female, 5.0ft (1.5m) | 38.86 | 37.30 | 35.75 | CALL |
| CSMUZ15MF-10 | LSZH Cable, DB15 Male/Female, 10.0ft (3.0m) | 49.22 | 47.25 | 45.28 | CALL |
| CSMUZ15MF-15 | LSZH Cable, DB15 Male/Female, 15.0ft (4.6m) | 59.58 | 57.20 | 54.81 | CALL |
| CSMUZ15MF-25 | LSZH Cable, DB15 Male/Female, 25.0ft (7.6m) | 68.39 | 65.65 | 62.92 | CALL |
| CSMUZ15MF-50 | LSZH Cable, DB15 Male/Female, 50.0ft (15.2m) | 120.20 | 115.39 | 110.58 | CALL |
| CSMUZ15MF-125 | LSZH Cable, DB15 Male/Female, 125.0ft (38.1m) | 275.63 | 264.60 | 253.58 | CALL |

Low Smoke Zero Halogen 25 Pin D-Sub Cables - Fully Populated and Double Shielded

| | | | | | |
|---------------|---|--------|--------|--------|------|
| CSMUZ25MM-2.5 | LSZH Cable, DB25 Male/Male, 2.5ft (0.8m) | 38.86 | 37.30 | 35.75 | CALL |
| CSMUZ25MM-5 | LSZH Cable, DB25 Male/Male, 5.0ft (1.5m) | 46.63 | 44.76 | 42.90 | CALL |
| CSMUZ25MM-15 | LSZH Cable, DB25 Male/Male, 15.0ft (4.6m) | 77.72 | 74.61 | 71.50 | CALL |
| CSMUZ25MM-50 | LSZH Cable, DB25 Male/Male, 50.0ft (15.2m) | 170.97 | 164.13 | 157.30 | CALL |
| CSMUZ25MM-125 | LSZH Cable, DB25 Male/Male, 125.0ft (38.1m) | 404.12 | 387.95 | 371.79 | CALL |
| CSMUZ25MF-2.5 | LSZH Cable, DB25 Male/Female, 2.5ft (0.8m) | 38.86 | 37.30 | 35.75 | CALL |
| CSMUZ25MF-5 | LSZH Cable, DB25 Male/Female, 5.0ft (1.5m) | 46.63 | 44.76 | 42.90 | CALL |
| CSMUZ25MF-15 | LSZH Cable, DB25 Male/Female, 15.0ft (4.6m) | 77.72 | 74.61 | 71.50 | CALL |
| CSMUZ25MF-50 | LSZH Cable, DB25 Male/Female, 50.0ft (15.2m) | 170.97 | 164.13 | 157.30 | CALL |
| CSMUZ25MF-125 | LSZH Cable, DB25 Male/Female, 125.0ft (38.1m) | 404.12 | 387.95 | 371.79 | CALL |

Standard or Hi-Density
D-Sub configurations

Online Video

l-com.com/Videos/A13



CSMNB9MF



CSMNB15MF



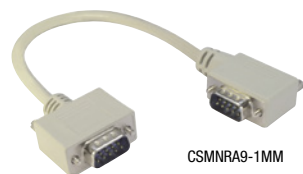
CSMNB25MF



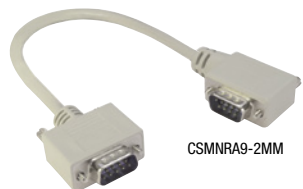
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CSMUZ15MF



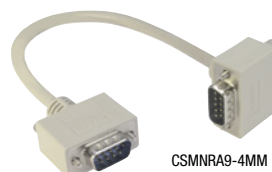
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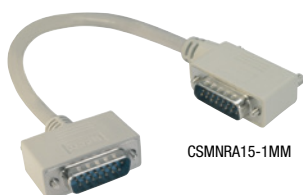
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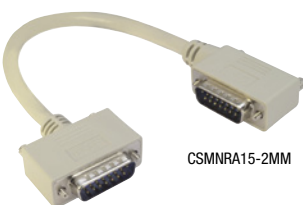
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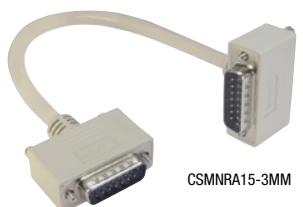
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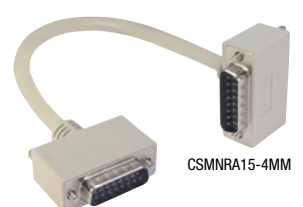
CSMNR15-1MM



CSMNR15-2MM



CSMNR15-3MM



CSMNR15-4MM

Tip *Defining 90 degree angled D-Sub cable assemblies*

Angled connector hoods help connect D-Sub cables in tight places. L-com now offers four 90 degree angled options for each DB9, DB15 and DB25. The photos below detail the connector position relative to the cable entry direction.

Exit 1 - Left Exit**Exit 2 - Right Exit****Exit 3 - Down Exit****Exit 4 - Up Exit**Longer side of
"D" connectorLonger side of
"D" connector

| Item # | Description | 1-9 | 10-24 | 25-99 | 100+ |
|--------|-------------|-----|-------|-------|------|
|--------|-------------|-----|-------|-------|------|

Deluxe D-Sub Right Angle Cables - 4 Options each for DB9, 15 and 25

L-com's CSMNRA series cables are perfect for tight fit and confined space D-Sub applications. These rugged cable assemblies feature a standard D-Sub connector on one end and right angle (4 options) D-Sub connector on the other. These right angle D-Sub cables are designed for use in enclosures, cabinets or other confined spaces where standard D-Sub connectors will not fit.

90° Angled Deluxe 9 Pin D-Sub Molded Male/Male Cables - 4 Exit Options

| | | | | | |
|------------------|--|-------|-------|-------|------|
| CSMNR9A9-1MM-1 | Deluxe Molded Cable, DB9 Male/Right Angle Exit 1 Male, 1.0ft (0.3m) | 9.07 | 8.52 | 7.98 | CALL |
| CSMNR9A9-1MM-2.5 | Deluxe Molded Cable, DB9 Male/Right Angle Exit 1 Male, 2.5ft (0.8m) | 9.84 | 9.25 | 8.66 | CALL |
| CSMNR9A9-1MM-5 | Deluxe Molded Cable, DB9 Male/Right Angle Exit 1 Male, 5.0ft (1.5m) | 11.14 | 10.47 | 9.80 | CALL |
| CSMNR9A9-1MM-10 | Deluxe Molded Cable, DB9 Male/Right Angle Exit 1 Male, 10.0ft (3.0m) | 13.73 | 12.91 | 12.08 | CALL |
| CSMNR9A9-1MM-15 | Deluxe Molded Cable, DB9 Male/Right Angle Exit 1 Male, 15.0ft (4.6m) | 16.32 | 15.34 | 14.36 | CALL |
| CSMNR9A9-1MM-25 | Deluxe Molded Cable, DB9 Male/Right Angle Exit 1 Male, 25.0ft (7.6m) | 21.50 | 20.21 | 18.92 | CALL |

| | | | | | |
|------------------|--|-------|-------|-------|------|
| CSMNR9A9-2MM-1 | Deluxe Molded Cable, DB9 Male/Right Angle Exit 2 Male, 1.0ft (0.3m) | 9.07 | 8.52 | 7.98 | CALL |
| CSMNR9A9-2MM-2.5 | Deluxe Molded Cable, DB9 Male/Right Angle Exit 2 Male, 2.5ft (0.8m) | 9.84 | 9.25 | 8.66 | CALL |
| CSMNR9A9-2MM-5 | Deluxe Molded Cable, DB9 Male/Right Angle Exit 2 Male, 5.0ft (1.5m) | 11.14 | 10.47 | 9.80 | CALL |
| CSMNR9A9-2MM-10 | Deluxe Molded Cable, DB9 Male/Right Angle Exit 2 Male, 10.0ft (3.0m) | 13.73 | 12.91 | 12.08 | CALL |
| CSMNR9A9-2MM-15 | Deluxe Molded Cable, DB9 Male/Right Angle Exit 2 Male, 15.0ft (4.6m) | 16.32 | 15.34 | 14.36 | CALL |
| CSMNR9A9-2MM-25 | Deluxe Molded Cable, DB9 Male/Right Angle Exit 2 Male, 25.0ft (7.6m) | 21.50 | 20.21 | 18.92 | CALL |

| | | | | | |
|------------------|--|-------|-------|-------|------|
| CSMNR9A9-3MM-1 | Deluxe Molded Cable, DB9 Male/Right Angle Exit 3 Male, 1.0ft (0.3m) | 9.07 | 8.52 | 7.98 | CALL |
| CSMNR9A9-3MM-2.5 | Deluxe Molded Cable, DB9 Male/Right Angle Exit 3 Male, 2.5ft (0.8m) | 9.84 | 9.25 | 8.66 | CALL |
| CSMNR9A9-3MM-5 | Deluxe Molded Cable, DB9 Male/Right Angle Exit 3 Male, 5.0ft (1.5m) | 11.14 | 10.47 | 9.80 | CALL |
| CSMNR9A9-3MM-10 | Deluxe Molded Cable, DB9 Male/Right Angle Exit 3 Male, 10.0ft (3.0m) | 13.73 | 12.91 | 12.08 | CALL |
| CSMNR9A9-3MM-15 | Deluxe Molded Cable, DB9 Male/Right Angle Exit 3 Male, 15.0ft (4.6m) | 16.32 | 15.34 | 14.36 | CALL |
| CSMNR9A9-3MM-25 | Deluxe Molded Cable, DB9 Male/Right Angle Exit 3 Male, 25.0ft (7.6m) | 21.50 | 20.21 | 18.92 | CALL |

| | | | | | |
|------------------|--|-------|-------|-------|------|
| CSMNR9A9-4MM-1 | Deluxe Molded Cable, DB9 Male/Right Angle Exit 4 Male, 1.0ft (0.3m) | 9.07 | 8.52 | 7.98 | CALL |
| CSMNR9A9-4MM-2.5 | Deluxe Molded Cable, DB9 Male/Right Angle Exit 4 Male, 2.5ft (0.8m) | 9.84 | 9.25 | 8.66 | CALL |
| CSMNR9A9-4MM-5 | Deluxe Molded Cable, DB9 Male/Right Angle Exit 4 Male, 5.0ft (1.5m) | 11.14 | 10.47 | 9.80 | CALL |
| CSMNR9A9-4MM-10 | Deluxe Molded Cable, DB9 Male/Right Angle Exit 4 Male, 10.0ft (3.0m) | 13.73 | 12.91 | 12.08 | CALL |
| CSMNR9A9-4MM-15 | Deluxe Molded Cable, DB9 Male/Right Angle Exit 4 Male, 15.0ft (4.6m) | 16.32 | 15.34 | 14.36 | CALL |
| CSMNR9A9-4MM-25 | Deluxe Molded Cable, DB9 Male/Right Angle Exit 4 Male, 25.0ft (7.6m) | 21.50 | 20.21 | 18.92 | CALL |

90° Angled Deluxe 15 Pin D-Sub Molded Male/Male Cables - 4 Exit Options

| | | | | | |
|-----------------|---|-------|-------|-------|------|
| CSMNR15-1MM-1 | Deluxe Molded Cable, DB15 Male/Right Angle Exit 1 Male, 1.0ft (0.3m) | 12.80 | 12.03 | 11.26 | CALL |
| CSMNR15-1MM-2.5 | Deluxe Molded Cable, DB15 Male/Right Angle Exit 1 Male, 2.5ft (0.8m) | 13.73 | 12.91 | 12.08 | CALL |
| CSMNR15-1MM-5 | Deluxe Molded Cable, DB15 Male/Right Angle Exit 1 Male, 5.0ft (1.5m) | 15.28 | 14.37 | 13.45 | CALL |
| CSMNR15-1MM-10 | Deluxe Molded Cable, DB15 Male/Right Angle Exit 1 Male, 10.0ft (3.0m) | 18.39 | 17.29 | 16.19 | CALL |
| CSMNR15-1MM-15 | Deluxe Molded Cable, DB15 Male/Right Angle Exit 1 Male, 15.0ft (4.6m) | 21.50 | 20.21 | 18.92 | CALL |
| CSMNR15-1MM-25 | Deluxe Molded Cable, DB15 Male/Right Angle Exit 1 Male, 25.0ft (7.6m) | 27.72 | 26.06 | 24.39 | CALL |

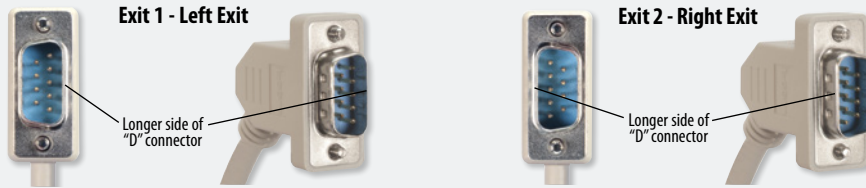
| | | | | | |
|-----------------|---|-------|-------|-------|------|
| CSMNR15-2MM-1 | Deluxe Molded Cable, DB15 Male/Right Angle Exit 2 Male, 1.0ft (0.3m) | 12.80 | 12.03 | 11.26 | CALL |
| CSMNR15-2MM-2.5 | Deluxe Molded Cable, DB15 Male/Right Angle Exit 2 Male, 2.5ft (0.8m) | 13.73 | 12.91 | 12.08 | CALL |
| CSMNR15-2MM-5 | Deluxe Molded Cable, DB15 Male/Right Angle Exit 2 Male, 5.0ft (1.5m) | 15.28 | 14.37 | 13.45 | CALL |
| CSMNR15-2MM-10 | Deluxe Molded Cable, DB15 Male/Right Angle Exit 2 Male, 10.0ft (3.0m) | 18.39 | 17.29 | 16.19 | CALL |
| CSMNR15-2MM-15 | Deluxe Molded Cable, DB15 Male/Right Angle Exit 2 Male, 15.0ft (4.6m) | 21.50 | 20.21 | 18.92 | CALL |
| CSMNR15-2MM-25 | Deluxe Molded Cable, DB15 Male/Right Angle Exit 2 Male, 25.0ft (7.6m) | 27.72 | 26.06 | 24.39 | CALL |

| | | | | | |
|-----------------|---|-------|-------|-------|------|
| CSMNR15-3MM-1 | Deluxe Molded Cable, DB15 Male/Right Angle Exit 3 Male, 1.0ft (0.3m) | 12.80 | 12.03 | 11.26 | CALL |
| CSMNR15-3MM-2.5 | Deluxe Molded Cable, DB15 Male/Right Angle Exit 3 Male, 2.5ft (0.8m) | 13.73 | 12.91 | 12.08 | CALL |
| CSMNR15-3MM-5 | Deluxe Molded Cable, DB15 Male/Right Angle Exit 3 Male, 5.0ft (1.5m) | 15.28 | 14.37 | 13.45 | CALL |
| CSMNR15-3MM-10 | Deluxe Molded Cable, DB15 Male/Right Angle Exit 3 Male, 10.0ft (3.0m) | 18.39 | 17.29 | 16.19 | CALL |
| CSMNR15-3MM-15 | Deluxe Molded Cable, DB15 Male/Right Angle Exit 3 Male, 15.0ft (4.6m) | 21.50 | 20.21 | 18.92 | CALL |
| CSMNR15-3MM-25 | Deluxe Molded Cable, DB15 Male/Right Angle Exit 3 Male, 25.0ft (7.6m) | 27.72 | 26.06 | 24.39 | CALL |

| | | | | | |
|-----------------|---|-------|-------|-------|------|
| CSMNR15-4MM-1 | Deluxe Molded Cable, DB15 Male/Right Angle Exit 4 Male, 1.0ft (0.3m) | 12.80 | 12.03 | 11.26 | CALL |
| CSMNR15-4MM-2.5 | Deluxe Molded Cable, DB15 Male/Right Angle Exit 4 Male, 2.5ft (0.8m) | 13.73 | 12.91 | 12.08 | CALL |
| CSMNR15-4MM-5 | Deluxe Molded Cable, DB15 Male/Right Angle Exit 4 Male, 5.0ft (1.5m) | 15.28 | 14.37 | 13.45 | CALL |
| CSMNR15-4MM-10 | Deluxe Molded Cable, DB15 Male/Right Angle Exit 4 Male, 10.0ft (3.0m) | 18.39 | 17.29 | 16.19 | CALL |
| CSMNR15-4MM-15 | Deluxe Molded Cable, DB15 Male/Right Angle Exit 4 Male, 15.0ft (4.6m) | 21.50 | 20.21 | 18.92 | CALL |
| CSMNR15-4MM-25 | Deluxe Molded Cable, DB15 Male/Right Angle Exit 4 Male, 25.0ft (7.6m) | 27.72 | 26.06 | 24.39 | CALL |

Tip Defining 45 degree angled D-Sub cable assemblies

L-com has added 45 degree angle options for DB9, DB15 and DB25 cable assemblies. The photos below detail the connector position relative to the cable entry direction.



| Item # | Description | 1-9 | 10-24 | 25-99 | 100+ |
|--------|-------------|-----|-------|-------|------|
|--------|-------------|-----|-------|-------|------|

90° Angled Deluxe 25 Pin D-Sub Molded Male/Male Cables - 4 Exit Options

| | | | | | |
|-----------------|---|-------|-------|-------|------|
| CSMNR25-1MM-1 | Deluxe Molded Cable, DB25 Male/Right Angle Exit 1 Male, 1.0ft (0.3m) | 13.00 | 12.22 | 11.44 | CALL |
| CSMNR25-1MM-2.5 | Deluxe Molded Cable, DB25 Male/Right Angle Exit 1 Male, 2.5ft (0.8m) | 14.25 | 13.39 | 12.54 | CALL |
| CSMNR25-1MM-5 | Deluxe Molded Cable, DB25 Male/Right Angle Exit 1 Male, 5.0ft (1.5m) | 16.32 | 15.34 | 14.36 | CALL |
| CSMNR25-1MM-10 | Deluxe Molded Cable, DB25 Male/Right Angle Exit 1 Male, 10.0ft (3.0m) | 20.46 | 19.24 | 18.01 | CALL |
| CSMNR25-1MM-15 | Deluxe Molded Cable, DB25 Male/Right Angle Exit 1 Male, 15.0ft (4.6m) | 24.61 | 23.13 | 21.66 | CALL |
| CSMNR25-1MM-25 | Deluxe Molded Cable, DB25 Male/Right Angle Exit 1 Male, 25.0ft (7.6m) | 32.90 | 30.93 | 28.95 | CALL |

| | | | | | |
|-----------------|---|-------|-------|-------|------|
| CSMNR25-2MM-1 | Deluxe Molded Cable, DB25 Male/Right Angle Exit 2 Male, 1.0ft (0.3m) | 13.00 | 12.22 | 11.44 | CALL |
| CSMNR25-2MM-2.5 | Deluxe Molded Cable, DB25 Male/Right Angle Exit 2 Male, 2.5ft (0.8m) | 14.25 | 13.39 | 12.54 | CALL |
| CSMNR25-2MM-5 | Deluxe Molded Cable, DB25 Male/Right Angle Exit 2 Male, 5.0ft (1.5m) | 16.32 | 15.34 | 14.36 | CALL |
| CSMNR25-2MM-10 | Deluxe Molded Cable, DB25 Male/Right Angle Exit 2 Male, 10.0ft (3.0m) | 20.46 | 19.24 | 18.01 | CALL |
| CSMNR25-2MM-15 | Deluxe Molded Cable, DB25 Male/Right Angle Exit 2 Male, 15.0ft (4.6m) | 24.61 | 23.13 | 21.66 | CALL |
| CSMNR25-2MM-25 | Deluxe Molded Cable, DB25 Male/Right Angle Exit 2 Male, 25.0ft (7.6m) | 32.90 | 30.93 | 28.95 | CALL |

| | | | | | |
|-----------------|---|-------|-------|-------|------|
| CSMNR25-3MM-1 | Deluxe Molded Cable, DB25 Male/Right Angle Exit 3 Male, 1.0ft (0.3m) | 13.00 | 12.22 | 11.44 | CALL |
| CSMNR25-3MM-2.5 | Deluxe Molded Cable, DB25 Male/Right Angle Exit 3 Male, 2.5ft (0.8m) | 14.25 | 13.39 | 12.54 | CALL |
| CSMNR25-3MM-5 | Deluxe Molded Cable, DB25 Male/Right Angle Exit 3 Male, 5.0ft (1.5m) | 16.32 | 15.34 | 14.36 | CALL |
| CSMNR25-3MM-10 | Deluxe Molded Cable, DB25 Male/Right Angle Exit 3 Male, 10.0ft (3.0m) | 20.46 | 19.24 | 18.01 | CALL |
| CSMNR25-3MM-15 | Deluxe Molded Cable, DB25 Male/Right Angle Exit 3 Male, 15.0ft (4.6m) | 24.61 | 23.13 | 21.66 | CALL |
| CSMNR25-3MM-25 | Deluxe Molded Cable, DB25 Male/Right Angle Exit 3 Male, 25.0ft (7.6m) | 32.90 | 30.93 | 28.95 | CALL |

| | | | | | |
|-----------------|---|-------|-------|-------|------|
| CSMNR25-4MM-1 | Deluxe Molded Cable, DB25 Male/Right Angle Exit 4 Male, 1.0ft (0.3m) | 13.00 | 12.22 | 11.44 | CALL |
| CSMNR25-4MM-2.5 | Deluxe Molded Cable, DB25 Male/Right Angle Exit 4 Male, 2.5ft (0.8m) | 14.25 | 13.39 | 12.54 | CALL |
| CSMNR25-4MM-5 | Deluxe Molded Cable, DB25 Male/Right Angle Exit 4 Male, 5.0ft (1.5m) | 16.32 | 15.34 | 14.36 | CALL |
| CSMNR25-4MM-10 | Deluxe Molded Cable, DB25 Male/Right Angle Exit 4 Male, 10.0ft (3.0m) | 20.46 | 19.24 | 18.01 | CALL |
| CSMNR25-4MM-15 | Deluxe Molded Cable, DB25 Male/Right Angle Exit 4 Male, 15.0ft (4.6m) | 24.61 | 23.13 | 21.66 | CALL |
| CSMNR25-4MM-25 | Deluxe Molded Cable, DB25 Male/Right Angle Exit 4 Male, 25.0ft (7.6m) | 32.90 | 30.93 | 28.95 | CALL |

45° Angled Deluxe 9 Pin D-Sub Molded Male/Male Cables - 2 Exit Options

| | | | | | |
|-----------------|--|-------|-------|-------|------|
| CSMN459-1MM-1 | Deluxe Molded Cable, DB9 Male/45° Exit 1 Male, 1.0ft (0.3m) | 9.07 | 8.52 | 7.98 | CALL |
| CSMN459-1MM-2.5 | Deluxe Molded Cable, DB9 Male/45° Exit 1 Male, 2.5ft (0.8m) | 9.84 | 9.25 | 8.66 | CALL |
| CSMN459-1MM-5 | Deluxe Molded Cable, DB9 Male/45° Exit 1 Male, 5.0ft (1.5m) | 11.14 | 10.47 | 9.80 | CALL |
| CSMN459-1MM-10 | Deluxe Molded Cable, DB9 Male/45° Exit 1 Male, 10.0ft (3.0m) | 13.73 | 12.91 | 12.08 | CALL |
| CSMN459-1MM-15 | Deluxe Molded Cable, DB9 Male/45° Exit 1 Male, 15.0ft (4.6m) | 16.32 | 15.34 | 14.36 | CALL |
| CSMN459-1MM-25 | Deluxe Molded Cable, DB9 Male/45° Exit 1 Male, 25.0ft (7.6m) | 21.50 | 20.21 | 18.92 | CALL |

| | | | | | |
|-----------------|--|-------|-------|-------|------|
| CSMN459-2MM-1 | Deluxe Molded Cable, DB9 Male/45° Exit 2 Male, 1.0ft (0.3m) | 9.07 | 8.52 | 7.98 | CALL |
| CSMN459-2MM-2.5 | Deluxe Molded Cable, DB9 Male/45° Exit 2 Male, 2.5ft (0.8m) | 9.84 | 9.25 | 8.66 | CALL |
| CSMN459-2MM-5 | Deluxe Molded Cable, DB9 Male/45° Exit 2 Male, 5.0ft (1.5m) | 11.14 | 10.47 | 9.80 | CALL |
| CSMN459-2MM-10 | Deluxe Molded Cable, DB9 Male/45° Exit 2 Male, 10.0ft (3.0m) | 13.73 | 12.91 | 12.08 | CALL |
| CSMN459-2MM-15 | Deluxe Molded Cable, DB9 Male/45° Exit 2 Male, 15.0ft (4.6m) | 16.32 | 15.34 | 14.36 | CALL |
| CSMN459-2MM-25 | Deluxe Molded Cable, DB9 Male/45° Exit 2 Male, 25.0ft (7.6m) | 21.50 | 20.21 | 18.92 | CALL |

45° Angled Deluxe 15 Pin D-Sub Molded Male/Male Cables - 2 Exit Options

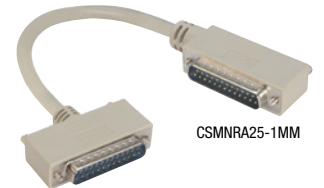
| | | | | | |
|------------------|---|-------|-------|-------|------|
| CSMN4515-1MM-1 | Deluxe Molded Cable, DB15 Male/45° Exit 1 Male, 1.0ft (0.3m) | 12.80 | 12.03 | 11.26 | CALL |
| CSMN4515-1MM-2.5 | Deluxe Molded Cable, DB15 Male/45° Exit 1 Male, 2.5ft (0.8m) | 12.80 | 12.03 | 11.26 | CALL |
| CSMN4515-1MM-5 | Deluxe Molded Cable, DB15 Male/45° Exit 1 Male, 5.0ft (1.5m) | 15.28 | 14.37 | 13.45 | CALL |
| CSMN4515-1MM-10 | Deluxe Molded Cable, DB15 Male/45° Exit 1 Male, 10.0ft (3.0m) | 18.39 | 17.29 | 16.19 | CALL |
| CSMN4515-1MM-15 | Deluxe Molded Cable, DB15 Male/45° Exit 1 Male, 15.0ft (4.6m) | 21.50 | 20.21 | 18.92 | CALL |
| CSMN4515-1MM-25 | Deluxe Molded Cable, DB15 Male/45° Exit 1 Male, 25.0ft (7.6m) | 27.72 | 26.06 | 24.39 | CALL |

| | | | | | |
|------------------|---|-------|-------|-------|------|
| CSMN4515-2MM-1 | Deluxe Molded Cable, DB15 Male/45° Exit 2 Male, 1.0ft (0.3m) | 12.80 | 12.03 | 11.26 | CALL |
| CSMN4515-2MM-2.5 | Deluxe Molded Cable, DB15 Male/45° Exit 2 Male, 2.5ft (0.8m) | 13.73 | 12.91 | 12.08 | CALL |
| CSMN4515-2MM-5 | Deluxe Molded Cable, DB15 Male/45° Exit 2 Male, 5.0ft (1.5m) | 15.28 | 14.37 | 13.45 | CALL |
| CSMN4515-2MM-10 | Deluxe Molded Cable, DB15 Male/45° Exit 2 Male, 10.0ft (3.0m) | 18.39 | 17.29 | 16.19 | CALL |
| CSMN4515-2MM-15 | Deluxe Molded Cable, DB15 Male/45° Exit 2 Male, 15.0ft (4.6m) | 21.50 | 20.21 | 18.92 | CALL |
| CSMN4515-2MM-25 | Deluxe Molded Cable, DB15 Male/45° Exit 2 Male, 25.0ft (7.6m) | 27.72 | 26.06 | 24.39 | CALL |

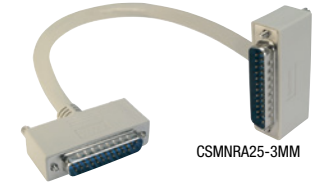
45° Angled Deluxe 25 Pin D-Sub Molded Male/Male Cables - 2 Exit Options

| | | | | | |
|------------------|---|-------|-------|-------|------|
| CSMN4525-1MM-1 | Deluxe Molded Cable, DB25 Male/45° Exit 1 Male, 1.0ft (0.3m) | 13.00 | 12.22 | 11.44 | CALL |
| CSMN4525-1MM-2.5 | Deluxe Molded Cable, DB25 Male/45° Exit 1 Male, 2.5ft (0.8m) | 14.25 | 13.39 | 12.54 | CALL |
| CSMN4525-1MM-5 | Deluxe Molded Cable, DB25 Male/45° Exit 1 Male, 5.0ft (1.5m) | 16.32 | 15.34 | 14.36 | CALL |
| CSMN4525-1MM-10 | Deluxe Molded Cable, DB25 Male/45° Exit 1 Male, 10.0ft (3.0m) | 20.46 | 19.24 | 18.01 | CALL |
| CSMN4525-1MM-15 | Deluxe Molded Cable, DB25 Male/45° Exit 1 Male, 15.0ft (4.6m) | 24.61 | 23.13 | 21.66 | CALL |
| CSMN4525-1MM-25 | Deluxe Molded Cable, DB25 Male/45° Exit 1 Male, 25.0ft (7.6m) | 32.90 | 30.93 | 28.95 | CALL |

| | | | | | |
|------------------|---|-------|-------|-------|------|
| CSMN4525-2MM-1 | Deluxe Molded Cable, DB25 Male/45° Exit 2 Male, 1.0ft (0.3m) | 13.00 | 12.22 | 11.44 | CALL |
| CSMN4525-2MM-2.5 | Deluxe Molded Cable, DB25 Male/45° Exit 2 Male, 2.5ft (0.8m) | 14.25 | 13.39 | 12.54 | CALL |
| CSMN4525-2MM-5 | Deluxe Molded Cable, DB25 Male/45° Exit 2 Male, 5.0ft (1.5m) | 16.32 | 15.34 | 14.36 | CALL |
| CSMN4525-2MM-10 | Deluxe Molded Cable, DB25 Male/45° Exit 2 Male, 10.0ft (3.0m) | 20.46 | 19.24 | 18.01 | CALL |
| CSMN4525-2MM-15 | Deluxe Molded Cable, DB25 Male/45° Exit 2 Male, 15.0ft (4.6m) | 24.61 | 23.13 | 21.66 | CALL |
| CSMN4525-2MM-25 | Deluxe Molded Cable, DB25 Male/45° Exit 2 Male, 25.0ft (7.6m) | 32.90 | 30.93 | 28.95 | CALL |



CSMNR25-1MM



CSMNR25-3MM



CSMN459-1MM



CSMN459-2MM



CSMN4515-1MM



CSMN4515-2MM



CSMN4525-1MM



CSMN4525-2MM



CSMT9MF



CSMT15MM



CSMT25MF



CSPL9MM



CSPL15MF



CSPL25MM

| Item # | Description | 1-9 | 10-24 | 25-99 | 100+ |
|--------|-------------|-----|-------|-------|------|
|--------|-------------|-----|-------|-------|------|

Metal Armored Cables - Double Shielded with Additional Outer Metal Shield

These unique cables feature a stainless steel crush resistant jacket over our premium D-Sub braid & foil shielded cable to provide protection in applications where standard cables would be damaged due to excessive force. A custom steel internal enclosure under the backshell mold provides further strength. Crush resistance is 1500 PSI (Pounds per Square Inch).

Metal Armored DB9 Male/Male or Male/Female Cables - Double Shielded with Added Outer Metal Shield

| | | | | | |
|-------------|---|-------|-------|-------|------|
| CSMT9MM-2.5 | Metal Armored Cable, DB9 Male/Male, 2.5ft (0.8m) | 23.57 | 22.16 | 20.74 | CALL |
| CSMT9MM-10 | Metal Armored Cable, DB9 Male/Male, 10.0ft (3.0m) | 35.23 | 33.12 | 31.00 | CALL |
| CSMT9MM-25 | Metal Armored Cable, DB9 Male/Male, 25ft (7.6m) | 58.55 | 55.03 | 51.52 | CALL |

| | | | | | |
|------------|--|-------|-------|-------|------|
| CSMT9MF-5 | Metal Armored Cable, DB9 Male/Female, 5.0ft (1.5m) | 27.46 | 25.81 | 24.16 | CALL |
| CSMT9MF-15 | Metal Armored Cable, DB9 Male/Female, 15ft (4.6m) | 43.00 | 40.42 | 37.84 | CALL |
| CSMT9MF-50 | Metal Armored Cable, DB9 Male/Female, 50ft (15.2m) | 97.40 | 91.56 | 85.71 | CALL |

Metal Armored DB15 Male/Male or Male/Female Cables - Double Shielded with Added Outer Metal Shield

| | | | | | |
|--------------|--|-------|-------|-------|------|
| CSMT15MM-2.5 | Metal Armored Cable, DB15 Male/Male, 2.5ft (0.8m) | 27.46 | 25.81 | 24.16 | CALL |
| CSMT15MM-10 | Metal Armored Cable, DB15 Male/Male, 10.0ft (3.0m) | 41.45 | 38.96 | 36.47 | CALL |
| CSMT15MM-25 | Metal Armored Cable, DB15 Male/Male, 25ft (7.6m) | 69.43 | 65.26 | 61.09 | CALL |

| | | | | | |
|-------------|---|--------|--------|--------|------|
| CSMT15MF-5 | Metal Armored Cable, DB15 Male/Female, 5.0ft (1.5m) | 32.12 | 30.19 | 28.27 | CALL |
| CSMT15MF-15 | Metal Armored Cable, DB15 Male/Female, 15ft (4.6m) | 50.77 | 47.73 | 44.68 | CALL |
| CSMT15MF-50 | Metal Armored Cable, DB15 Male/Female, 50ft (15.2m) | 116.05 | 109.09 | 102.13 | CALL |

Metal Armored DB25 Male/Male or Male/Female Cables - Double Shielded with Added Outer Metal Shield

| | | | | | |
|--------------|--|-------|-------|-------|------|
| CSMT25MM-2.5 | Metal Armored Cable, DB25 Male/Male, 2.5ft (0.8m) | 31.60 | 29.71 | 27.81 | CALL |
| CSMT25MM-10 | Metal Armored Cable, DB25 Male/Male, 10.0ft (3.0m) | 48.70 | 45.78 | 42.86 | CALL |
| CSMT25MM-25 | Metal Armored Cable, DB25 Male/Male, 25ft (7.6m) | 82.90 | 77.92 | 72.95 | CALL |

| | | | | | |
|-------------|---|--------|--------|--------|------|
| CSMT25MF-5 | Metal Armored Cable, DB25 Male/Female, 5.0ft (1.5m) | 37.30 | 35.07 | 32.83 | CALL |
| CSMT25MF-15 | Metal Armored Cable, DB25 Male/Female, 15ft (4.6m) | 60.10 | 56.49 | 52.89 | CALL |
| CSMT25MF-50 | Metal Armored Cable, DB25 Male/Female, 50ft (15.2m) | 139.89 | 131.49 | 123.10 | CALL |

Plastic Armored Cables - Double Shielded with Additional Outer Plastic Shield

These unique cables feature a plastic crush resistant jacket over our premium D-sub braid & foil shielded cable to provide protection in applications where standard cables would be damaged due to excessive force. A custom steel internal enclosure under the backshell mold provides further strength. Crush resistance is 800 PSI (Pounds per Square Inch).

Plastic Armored DB9 Male/Male or Male/Female Cables - Double Shielded with Added Outer Plastic Shield

| | | | | | |
|-------------|---|-------|-------|-------|------|
| CSPL9MM-2.5 | Plastic Armored Cable, DB9 Male/Male, 2.5ft (0.8m) | 21.50 | 20.21 | 18.92 | CALL |
| CSPL9MM-10 | Plastic Armored Cable, DB9 Male/Male, 10.0ft (3.0m) | 30.05 | 28.25 | 26.44 | CALL |
| CSPL9MM-25 | Plastic Armored Cable, DB9 Male/Male, 25ft (7.6m) | 47.15 | 44.32 | 41.49 | CALL |

| | | | | | |
|------------|--|-------|-------|-------|------|
| CSPL9MF-5 | Plastic Armored Cable, DB9 Male/Female, 5.0ft (1.5m) | 24.35 | 22.89 | 21.43 | CALL |
| CSPL9MF-15 | Plastic Armored Cable, DB9 Male/Female, 15ft (4.6m) | 35.75 | 33.60 | 31.46 | CALL |
| CSPL9MF-50 | Plastic Armored Cable, DB9 Male/Female, 50ft (15.2m) | 75.64 | 71.10 | 66.57 | CALL |

Plastic Armored DB15 Male/Male or Male/Female Cables - Double Shielded with Added Outer Plastic Shield

| | | | | | |
|--------------|--|-------|-------|-------|------|
| CSPL15MM-2.5 | Plastic Armored Cable, DB15 Male/Male, 2.5ft (0.8m) | 22.80 | 21.43 | 20.06 | CALL |
| CSPL15MM-10 | Plastic Armored Cable, DB15 Male/Male, 10.0ft (3.0m) | 32.12 | 30.19 | 28.27 | CALL |
| CSPL15MM-25 | Plastic Armored Cable, DB15 Male/Male, 25ft (7.6m) | 50.77 | 47.73 | 44.68 | CALL |

| | | | | | |
|-------------|---|-------|-------|-------|------|
| CSPL15MF-5 | Plastic Armored Cable, DB15 Male/Female, 5.0ft (1.5m) | 25.91 | 24.35 | 22.80 | CALL |
| CSPL15MF-15 | Plastic Armored Cable, DB15 Male/Female, 15ft (4.6m) | 38.34 | 36.04 | 33.74 | CALL |
| CSPL15MF-50 | Plastic Armored Cable, DB15 Male/Female, 50ft (15.2m) | 81.86 | 76.95 | 72.04 | CALL |

Plastic Armored DB25 Male/Male or Male/Female Cables - Double Shielded with Added Outer Plastic Shield

| | | | | | |
|--------------|--|-------|-------|-------|------|
| CSPL25MM-2.5 | Plastic Armored Cable, DB25 Male/Male, 2.5ft (0.8m) | 25.65 | 24.11 | 22.57 | CALL |
| CSPL25MM-10 | Plastic Armored Cable, DB25 Male/Male, 10.0ft (3.0m) | 37.30 | 35.07 | 32.83 | CALL |
| CSPL25MM-25 | Plastic Armored Cable, DB25 Male/Male, 25ft (7.6m) | 60.62 | 56.98 | 53.34 | CALL |

| | | | | | |
|-------------|---|-------|-------|-------|------|
| CSPL25MF-5 | Plastic Armored Cable, DB25 Male/Female, 5.0ft (1.5m) | 29.53 | 27.76 | 25.99 | CALL |
| CSPL25MF-15 | Plastic Armored Cable, DB25 Male/Female, 15ft (4.6m) | 45.07 | 42.37 | 39.67 | CALL |
| CSPL25MF-50 | Plastic Armored Cable, DB25 Male/Female, 50ft (15.2m) | 99.48 | 93.51 | 87.54 | CALL |

Tip D-Subminiature armored cables explained

Metal Coupling Nut

Heavy duty construction ensures that the crush resistant jacket remains in place

Crush Resistant Metal Jacket
Up to 1500 PSI (pounds per square inch)

Plastic Coupling Nut

Heavy duty plastic construction ensures that the crush resistant jacket remains in place

Crush Resistant Plastic Jacket
Up to 800 PSI (pounds per square inch)

Uses our Premium bulk cable including PVC cable jacket and braid/foil shield under the armor.

| Item # | Description | 1-9 | 10-24 | 25-99 | 100+ |
|--------|-------------|-----|-------|-------|------|
|--------|-------------|-----|-------|-------|------|

Data Cables -With Reversible Hardware to Mate Any Serial Cables or Mount on Panels

L-com is proud to offer an **exclusive family** of D-Sub data cables featuring user defined mounting hardware. Each cable end is capable of being connected with either male jack screws or female hex standoffs regardless of D-Sub gender. This capability allows a user much more flexibility to interface ports with opposite gender hardware. A by-product feature is to use the same cable with the male or female connector end mounted on a panel. No other standard off-the-shelf cable has this capability. The secret is in the kit of four custom hex standoffs that are included with each cable assembly. The specially made cable readily connects these hex standoffs mounting on panels no thicker than 0.062" (0.2cm).

Reversing Hardware 9 Pin D-Sub Cables - Shielded and Fully Populated

| | | | | | |
|-------------|--|-------|-------|-------|------|
| CRMN9MM-2.5 | Reversible Hardware Molded Cable, DB9 Male/Male, 2.5ft (0.8m) | 15.28 | 14.67 | 14.06 | CALL |
| CRMN9MM-5 | Reversible Hardware Molded Cable, DB9 Male/Male, 5.0ft (1.5m) | 16.32 | 15.67 | 15.01 | CALL |
| CRMN9MM-10 | Reversible Hardware Molded Cable, DB9 Male/Male, 10.0ft (3.0m) | 18.13 | 17.41 | 16.68 | CALL |
| CRMN9MM-15 | Reversible Hardware Molded Cable, DB9 Male/Male, 15.0ft (4.6m) | 19.95 | 19.15 | 18.35 | CALL |
| CRMN9MM-25 | Reversible Hardware Molded Cable, DB9 Male/Male, 25.0ft (7.6m) | 23.57 | 22.63 | 21.69 | CALL |

| | | | | | |
|-------------|--|-------|-------|-------|------|
| CRMN9MF-2.5 | Reversible Hardware Molded Cable, DB9 Male/Female, 2.5ft (0.8m) | 15.28 | 14.67 | 14.06 | CALL |
| CRMN9MF-5 | Reversible Hardware Molded Cable, DB9 Male/Female, 5.0ft (1.5m) | 16.32 | 15.67 | 15.01 | CALL |
| CRMN9MF-10 | Reversible Hardware Molded Cable, DB9 Male/Female, 10.0ft (3.0m) | 18.13 | 17.41 | 16.68 | CALL |
| CRMN9MF-15 | Reversible Hardware Molded Cable, DB9 Male/Female, 15.0ft (4.6m) | 19.95 | 19.15 | 18.35 | CALL |
| CRMN9MF-25 | Reversible Hardware Molded Cable, DB9 Male/Female, 25.0ft (7.6m) | 23.57 | 22.63 | 21.69 | CALL |

| | | | | | |
|-------------|--|-------|-------|-------|------|
| CRMN9FF-2.5 | Reversible Hardware Molded Cable, DB9 Female/Female, 2.5ft (0.8m) | 15.28 | 14.67 | 14.06 | CALL |
| CRMN9FF-5 | Reversible Hardware Molded Cable, DB9 Female/Female, 5.0ft (1.5m) | 16.32 | 15.67 | 15.01 | CALL |
| CRMN9FF-10 | Reversible Hardware Molded Cable, DB9 Female/Female, 10.0ft (3.0m) | 18.13 | 17.41 | 16.68 | CALL |
| CRMN9FF-15 | Reversible Hardware Molded Cable, DB9 Female/Female, 15.0ft (4.6m) | 19.95 | 19.15 | 18.35 | CALL |
| CRMN9FF-25 | Reversible Hardware Molded Cable, DB9 Female/Female, 25.0ft (7.6m) | 23.57 | 22.63 | 21.69 | CALL |

Reversing Hardware 15 Pin D-Sub Cables - Shielded and Fully Populated

| | | | | | |
|--------------|---|-------|-------|-------|------|
| CRMN15MM-2.5 | Reversible Hardware Molded Cable, DB15 Male/Male, 2.5ft (0.8m) | 19.58 | 18.02 | 16.45 | CALL |
| CRMN15MM-5 | Reversible Hardware Molded Cable, DB15 Male/Male, 5.0ft (1.5m) | 20.98 | 19.30 | 17.63 | CALL |
| CRMN15MM-10 | Reversible Hardware Molded Cable, DB15 Male/Male, 10.0ft (3.0m) | 23.42 | 21.54 | 19.67 | CALL |
| CRMN15MM-15 | Reversible Hardware Molded Cable, DB15 Male/Male, 15.0ft (4.6m) | 25.85 | 23.78 | 21.72 | CALL |

| | | | | | |
|--------------|---|-------|-------|-------|------|
| CRMN15MF-2.5 | Reversible Hardware Molded Cable, DB15 Male/Female, 2.5ft (0.8m) | 19.58 | 18.02 | 16.45 | CALL |
| CRMN15MF-5 | Reversible Hardware Molded Cable, DB15 Male/Female, 5.0ft (1.5m) | 20.98 | 19.30 | 17.63 | CALL |
| CRMN15MF-10 | Reversible Hardware Molded Cable, DB15 Male/Female, 10.0ft (3.0m) | 23.42 | 21.54 | 19.67 | CALL |
| CRMN15MF-15 | Reversible Hardware Molded Cable, DB15 Male/Female, 15.0ft (4.6m) | 25.85 | 23.78 | 21.72 | CALL |

| | | | | | |
|--------------|---|-------|-------|-------|------|
| CRMN15FF-2.5 | Reversible Hardware Molded Cable, DB15 Female/Female, 2.5ft (0.8m) | 19.58 | 18.02 | 16.45 | CALL |
| CRMN15FF-5 | Reversible Hardware Molded Cable, DB15 Female/Female, 5.0ft (1.5m) | 20.98 | 19.30 | 17.63 | CALL |
| CRMN15FF-10 | Reversible Hardware Molded Cable, DB15 Female/Female, 10.0ft (3.0m) | 23.42 | 21.54 | 19.67 | CALL |
| CRMN15FF-15 | Reversible Hardware Molded Cable, DB15 Female/Female, 15.0ft (4.6m) | 25.85 | 23.78 | 21.72 | CALL |

Reversing Hardware 25 Pin D-Sub Cables - Shielded and Fully Populated

| | | | | | |
|--------------|---|-------|-------|-------|------|
| CRMN25MM-2.5 | Reversible Hardware Molded Cable, DB25 Male/Male, 2.5ft (0.8m) | 22.28 | 21.39 | 20.50 | CALL |
| CRMN25MM-5 | Reversible Hardware Molded Cable, DB25 Male/Male, 5.0ft (1.5m) | 24.09 | 23.13 | 22.16 | CALL |
| CRMN25MM-10 | Reversible Hardware Molded Cable, DB25 Male/Male, 10.0ft (3.0m) | 27.46 | 26.36 | 25.26 | CALL |
| CRMN25MM-15 | Reversible Hardware Molded Cable, DB25 Male/Male, 15.0ft (4.6m) | 30.83 | 29.59 | 28.36 | CALL |
| CRMN25MM-25 | Reversible Hardware Molded Cable, DB25 Male/Male, 25.0ft (7.6m) | 37.56 | 36.06 | 34.56 | CALL |

| | | | | | |
|--------------|---|-------|-------|-------|------|
| CRMN25MF-2.5 | Reversible Hardware Molded Cable, DB25 Male/Female, 2.5ft (0.8m) | 22.28 | 21.39 | 20.50 | CALL |
| CRMN25MF-5 | Reversible Hardware Molded Cable, DB25 Male/Female, 5.0ft (1.5m) | 24.09 | 23.13 | 22.16 | CALL |
| CRMN25MF-10 | Reversible Hardware Molded Cable, DB25 Male/Female, 10.0ft (3.0m) | 27.46 | 26.36 | 25.26 | CALL |
| CRMN25MF-15 | Reversible Hardware Molded Cable, DB25 Male/Female, 15.0ft (4.6m) | 30.83 | 29.59 | 28.36 | CALL |
| CRMN25MF-25 | Reversible Hardware Molded Cable, DB25 Male/Female, 25.0ft (7.6m) | 37.56 | 36.06 | 34.56 | CALL |

| | | | | | |
|--------------|---|-------|-------|-------|------|
| CRMN25FF-2.5 | Reversible Hardware Molded Cable, DB25 Female/Female, 2.5ft (0.8m) | 22.28 | 21.39 | 20.50 | CALL |
| CRMN25FF-5 | Reversible Hardware Molded Cable, DB25 Female/Female, 5.0ft (1.5m) | 24.09 | 23.13 | 22.16 | CALL |
| CRMN25FF-10 | Reversible Hardware Molded Cable, DB25 Female/Female, 10.0ft (3.0m) | 27.46 | 26.36 | 25.26 | CALL |
| CRMN25FF-15 | Reversible Hardware Molded Cable, DB25 Female/Female, 15.0ft (4.6m) | 30.83 | 29.59 | 28.36 | CALL |
| CRMN25FF-25 | Reversible Hardware Molded Cable, DB25 Female/Female, 25.0ft (7.6m) | 37.56 | 36.06 | 34.56 | CALL |

Reversing Hardware 37 Pin D-Sub Cables - Shielded and Fully Populated

| | | | | | |
|--------------|---|-------|-------|-------|------|
| CRMN37MM-2.5 | Reversible Hardware Molded Cable, DB37 Male/Male, 2.5ft (0.8m) | 37.30 | 34.32 | 31.33 | CALL |
| CRMN37MM-5 | Reversible Hardware Molded Cable, DB37 Male/Male, 5.0ft (1.5m) | 40.00 | 36.80 | 33.60 | CALL |
| CRMN37MM-10 | Reversible Hardware Molded Cable, DB37 Male/Male, 10.0ft (3.0m) | 45.18 | 41.56 | 37.95 | CALL |
| CRMN37MM-15 | Reversible Hardware Molded Cable, DB37 Male/Male, 15.0ft (4.6m) | 50.36 | 46.33 | 42.30 | CALL |
| CRMN37MM-25 | Reversible Hardware Molded Cable, DB37 Male/Male, 25.0ft (7.6m) | 60.67 | 55.82 | 50.96 | CALL |

| | | | | | |
|--------------|---|-------|-------|-------|------|
| CRMN37MF-2.5 | Reversible Hardware Molded Cable, DB37 Male/Female, 2.5ft (0.8m) | 37.30 | 34.32 | 31.33 | CALL |
| CRMN37MF-5 | Reversible Hardware Molded Cable, DB37 Male/Female, 5.0ft (1.5m) | 40.00 | 36.80 | 33.60 | CALL |
| CRMN37MF-10 | Reversible Hardware Molded Cable, DB37 Male/Female, 10.0ft (3.0m) | 45.18 | 41.56 | 37.95 | CALL |
| CRMN37MF-15 | Reversible Hardware Molded Cable, DB37 Male/Female, 15.0ft (4.6m) | 50.36 | 46.33 | 42.30 | CALL |
| CRMN37MF-25 | Reversible Hardware Molded Cable, DB37 Male/Female, 25.0ft (7.6m) | 60.67 | 55.82 | 50.96 | CALL |

| | | | | | |
|--------------|---|-------|-------|-------|------|
| CRMN37FF-2.5 | Reversible Hardware Molded Cable, DB37 Female/Female, 2.5ft (0.8m) | 37.30 | 34.32 | 31.33 | CALL |
| CRMN37FF-5 | Reversible Hardware Molded Cable, DB37 Female/Female, 5.0ft (1.5m) | 40.00 | 36.80 | 33.60 | CALL |
| CRMN37FF-10 | Reversible Hardware Molded Cable, DB37 Female/Female, 10.0ft (3.0m) | 45.18 | 41.56 | 37.95 | CALL |
| CRMN37FF-15 | Reversible Hardware Molded Cable, DB37 Female/Female, 15.0ft (4.6m) | 50.36 | 46.33 | 42.30 | CALL |
| CRMN37FF-25 | Reversible Hardware Molded Cable, DB37 Female/Female, 25.0ft (7.6m) | 60.67 | 55.82 | 50.96 | CALL |

Exclusive

CRMN9

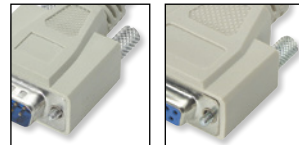
CRMN15

CRMN25

CRMN37

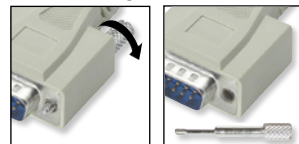
Comes complete with male and female 4-40 hardware plus instruction sheet.

STEP 1



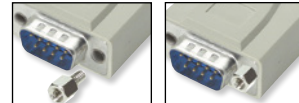
This cable is shipped with male knurled thumbscrews regardless of D-Sub gender.

STEP 2



If you need a female fastening system, simply unscrew the knurled thumbscrew.

STEP 3



Then: install (thread) hex jack screws, provided.

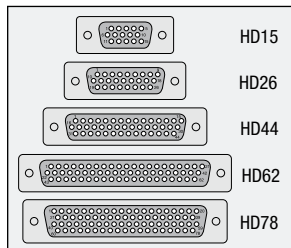
STEP 4



To install your cable on a panel it should be no thicker than 0.062" (0.2cm). Simply follow step 2. Provide proper panel opening, install hex jack screw, and tighten.

**Standard or Hi-Density
D-Sub configurations****Online Video**

L-com.com/Videos/A13



More lengths available.
Go to L-com.com

| Item # | Description | 1-9 | 10-24 | 25-99 | 100+ |
|--------|-------------|-----|-------|-------|------|
|--------|-------------|-----|-------|-------|------|

Deluxe High-Density 15 Pin D-Sub Cables - Fully Populated and Completely Shielded

High-density D-Sub connectors are used in a number of PC and network applications. This type of connector can usually be recognized because they have three rows of smaller pins versus the larger pins used in conventional D-Subs. Fully populated with stranded conductors and aluminum mylar shielding. Hex nuts on female connectors are removable to expose 4-40 thumbscrews.

| | | | | | |
|-------------|--|-------|-------|-------|------|
| CHD15MM-2.5 | Deluxe Molded Cable, HD15 Male/Male, 2.5ft (0.8m) | 11.29 | 10.62 | 9.94 | CALL |
| CHD15MM-5 | Deluxe Molded Cable, HD15 Male/Male, 5.0ft (1.5m) | 12.18 | 11.44 | 10.71 | CALL |
| CHD15MM-7.5 | Deluxe Molded Cable, HD15 Male/Male, 7.5ft (2.3m) | 13.11 | 12.32 | 11.53 | CALL |
| CHD15MM-10 | Deluxe Molded Cable, HD15 Male/Male, 10.0ft (3.0m) | 13.99 | 13.15 | 12.31 | CALL |
| CHD15MM-15 | Deluxe Molded Cable, HD15 Male/Male, 15.0ft (4.6m) | 15.80 | 14.85 | 13.91 | CALL |
| CHD15MM-25 | Deluxe Molded Cable, HD15 Male/Male, 25.0ft (7.6m) | 17.62 | 16.56 | 15.50 | CALL |

| | | | | | |
|-------------|--|-------|-------|-------|------|
| CHD15MF-2.5 | Deluxe Molded Cable, HD15 Male/Female, 2.5ft (0.8m) | 11.29 | 10.62 | 9.94 | CALL |
| CHD15MF-5 | Deluxe Molded Cable, HD15 Male/Female, 5.0ft (1.5m) | 12.18 | 11.44 | 10.71 | CALL |
| CHD15MF-7.5 | Deluxe Molded Cable, HD15 Male/Female, 7.5ft (2.3m) | 13.11 | 12.32 | 11.53 | CALL |
| CHD15MF-10 | Deluxe Molded Cable, HD15 Male/Female, 10.0ft (3.0m) | 13.99 | 13.15 | 12.31 | CALL |
| CHD15MF-15 | Deluxe Molded Cable, HD15 Male/Female, 15.0ft (4.6m) | 15.80 | 14.85 | 13.91 | CALL |
| CHD15MF-25 | Deluxe Molded Cable, HD15 Male/Female, 25.0ft (7.6m) | 17.62 | 16.56 | 15.50 | CALL |

Note: Most monitor manufacturers recommend using premium grade VGA cables that utilize 75 Ohm coaxial lines.

Deluxe High-Density 26 Pin Molded Cables - Ready Made, Fully Populated for Many Applications

Fully molded data cables equipped with high-density D-Sub connectors. Fully populated with 26 AWG stranded conductors and aluminum mylar shielding. They are equipped with readily accessible thumbscrew type hold downs. Hex nuts on female connectors are removable to expose 4-40 thumbscrews.

| | | | | | |
|-------------|--|-------|-------|-------|------|
| CHD26MM-2.5 | Deluxe Molded Cable, HD26 Male/Male, 2.5ft (0.8m) | 27.87 | 26.20 | 24.53 | CALL |
| CHD26MM-5 | Deluxe Molded Cable, HD26 Male/Male, 5.0ft (1.5m) | 29.95 | 28.15 | 26.35 | CALL |
| CHD26MM-10 | Deluxe Molded Cable, HD26 Male/Male, 10.0ft (3.0m) | 34.14 | 32.09 | 30.05 | CALL |
| CHD26MM-15 | Deluxe Molded Cable, HD26 Male/Male, 15.0ft (4.6m) | 38.34 | 36.04 | 33.74 | CALL |

| | | | | | |
|-------------|---|-------|-------|-------|------|
| CHD26MF-2.5 | Deluxe Molded Cable, HD26 Male/Female, 2.5ft (0.8m) | 27.87 | 26.20 | 24.53 | CALL |
| CHD26MF-5 | Deluxe Molded Cable, HD26 Male/Female, 5.0ft (1.5m) | 29.95 | 28.15 | 26.35 | CALL |
| CHD26MF-10 | Deluxe Molded Cable, HD26 Male/Female, 10.0ft (3.0m) | 34.14 | 32.09 | 30.05 | CALL |
| CHD26MF-15 | Deluxe Molded Cable, HD26 Male/Female, 15.0ft (4.6m) | 38.34 | 36.04 | 33.74 | CALL |
| CHD26MF-25 | Deluxe Molded Cable, HD26 Male/Female, 25.0ft (7.6m) | 46.73 | 43.93 | 41.12 | CALL |
| CHD26MF-50 | Deluxe Molded Cable, HD26 Male/Female, 50.0ft (15.2m) | 67.72 | 63.65 | 59.59 | CALL |

Deluxe High-Density 44 Pin Molded Cables - Fully Populated and Shielded

Injection molded cable assemblies with HD44 terminations. Fully populated with 24 AWG stranded conductors and aluminum mylar and braided shielding. 4-40 metal thumbscrews molded into the strain relief. Hex nuts on female connectors are removable to expose 4-40 thumbscrews.

| | | | | | |
|-------------|---|--------|--------|--------|------|
| CHD44MM-2.5 | Deluxe Molded Cable, HD44 Male/Male, 2.5ft (0.8m) | 45.33 | 42.61 | 39.89 | CALL |
| CHD44MM-5 | Deluxe Molded Cable, HD44 Male/Male, 5.0ft (1.5m) | 53.73 | 50.50 | 47.28 | CALL |
| CHD44MM-10 | Deluxe Molded Cable, HD44 Male/Male, 10.0ft (3.0m) | 70.51 | 66.28 | 62.05 | CALL |
| CHD44MM-15 | Deluxe Molded Cable, HD44 Male/Male, 15.0ft (4.6m) | 87.30 | 82.06 | 76.82 | CALL |
| CHD44MM-25 | Deluxe Molded Cable, HD44 Male/Male, 25.0ft (7.6m) | 120.87 | 113.62 | 106.37 | CALL |
| CHD44MM-50 | Deluxe Molded Cable, HD44 Male/Male, 50.0ft (15.2m) | 204.80 | 192.52 | 180.23 | CALL |

| | | | | | |
|-------------|---|--------|--------|--------|------|
| CHD44MF-2.5 | Deluxe Molded Cable, HD44 Male/Female, 2.5ft (0.8m) | 45.33 | 42.61 | 39.89 | CALL |
| CHD44MF-5 | Deluxe Molded Cable, HD44 Male/Female, 5.0ft (1.5m) | 53.73 | 50.50 | 47.28 | CALL |
| CHD44MF-10 | Deluxe Molded Cable, HD44 Male/Female, 10.0ft (3.0m) | 70.51 | 66.28 | 62.05 | CALL |
| CHD44MF-15 | Deluxe Molded Cable, HD44 Male/Female, 15.0ft (4.6m) | 87.30 | 82.06 | 76.82 | CALL |
| CHD44MF-25 | Deluxe Molded Cable, HD44 Male/Female, 25.0ft (7.6m) | 120.87 | 113.62 | 106.37 | CALL |
| CHD44MF-50 | Deluxe Molded Cable, HD44 Male/Female, 50.0ft (15.2m) | 204.80 | 192.52 | 180.23 | CALL |

Deluxe High-Density 62 Pin Molded Cables - 31 Twisted Pairs and Full Shielding

Fully molded data cables with HD62 D-Sub connectors. Fully shielded with aluminum mylar shielding and fully populated with 28 AWG twisted pairs. Straight-thru pinning. Equipped with 4-40 thumbscrews. Hex nuts on female connectors are removable to expose 4-40 thumbscrews.

| | | | | | |
|-------------|--|--------|--------|--------|------|
| CHD62MM-2.5 | Deluxe Molded Cable, HD62 Male/Male, 2.5ft (0.8m) | 58.75 | 55.23 | 51.70 | CALL |
| CHD62MM-5 | Deluxe Molded Cable, HD62 Male/Male, 5.0ft (1.5m) | 69.94 | 65.75 | 61.55 | CALL |
| CHD62MM-10 | Deluxe Molded Cable, HD62 Male/Male, 10.0ft (3.0m) | 92.33 | 86.79 | 81.25 | CALL |
| CHD62MM-15 | Deluxe Molded Cable, HD62 Male/Male, 15.0ft (4.6m) | 114.71 | 107.82 | 100.94 | CALL |
| CHD62MM-25 | Deluxe Molded Cable, HD62 Male/Male, 25.0ft (7.6m) | 137.09 | 128.86 | 120.64 | CALL |

| | | | | | |
|-------------|---|--------|--------|--------|------|
| CHD62MF-2.5 | Deluxe Molded Cable, HD62 Male/Female, 2.5ft (0.8m) | 58.75 | 55.23 | 51.70 | CALL |
| CHD62MF-5 | Deluxe Molded Cable, HD62 Male/Female, 5.0ft (1.5m) | 69.94 | 65.75 | 61.55 | CALL |
| CHD62MF-10 | Deluxe Molded Cable, HD62 Male/Female, 10.0ft (3.0m) | 92.33 | 86.79 | 81.25 | CALL |
| CHD62MF-15 | Deluxe Molded Cable, HD62 Male/Female, 15.0ft (4.6m) | 114.71 | 107.82 | 100.94 | CALL |
| CHD62MF-25 | Deluxe Molded Cable, HD62 Male/Female, 25.0ft (7.6m) | 137.09 | 128.86 | 120.64 | CALL |
| CHD62MF-50 | Deluxe Molded Cable, HD62 Male/Female, 50.0ft (15.2m) | 249.00 | 234.06 | 219.12 | CALL |

Deluxe High-Density 78 Pin Molded Cables - 39 Twisted Pairs and Double Shielded

Fully molded data cables equipped with HD78 D-Sub connectors. Fully shielded with aluminum mylar and braided shielding and fully populated with 28 AWG twisted pairs. Straight-thru pinning. Equipped with 4-40 thumbscrews. Hex nuts on female connectors are removable to expose 4-40 thumbscrews.

| | | | | | |
|-------------|---|--------|--------|--------|------|
| CHD78MM-2.5 | Deluxe Molded Cable, HD78 Male/Male, 2.5ft (0.8m) | 64.35 | 60.49 | 56.63 | CALL |
| CHD78MM-5 | Deluxe Molded Cable, HD78 Male/Male, 5.0ft (1.5m) | 78.34 | 73.64 | 68.94 | CALL |
| CHD78MM-10 | Deluxe Molded Cable, HD78 Male/Male, 10.0ft (3.0m) | 106.31 | 99.94 | 93.56 | CALL |
| CHD78MM-25 | Deluxe Molded Cable, HD78 Male/Male, 25.0ft (7.6m) | 190.25 | 178.83 | 167.42 | CALL |
| CHD78MM-50 | Deluxe Molded Cable, HD78 Male/Male, 50.0ft (15.2m) | 330.13 | 310.33 | 290.52 | CALL |

| | | | | | |
|-------------|---|--------|--------|--------|------|
| CHD78MF-2.5 | Deluxe Molded Cable, HD78 Male/Female, 2.5ft (0.8m) | 64.35 | 60.49 | 56.63 | CALL |
| CHD78MF-5 | Deluxe Molded Cable, HD78 Male/Female, 5.0ft (1.5m) | 78.34 | 73.64 | 68.94 | CALL |
| CHD78MF-10 | Deluxe Molded Cable, HD78 Male/Female, 10.0ft (3.0m) | 106.31 | 99.94 | 93.56 | CALL |
| CHD78MF-25 | Deluxe Molded Cable, HD78 Male/Female, 25.0ft (7.6m) | 190.25 | 178.83 | 167.42 | CALL |
| CHD78MF-50 | Deluxe Molded Cable, HD78 Male/Female, 50.0ft (15.2m) | 330.13 | 310.33 | 290.52 | CALL |

Replacement 4-40 Screws for CHD Series Assemblies - Sold in 10/Packs

| | | | | | |
|---------|--|------|------|------|------|
| TS-CSMN | Replacement Screws for CHD Series Assemblies, Pkg/10 | 4.92 | 4.63 | 4.33 | CALL |
|---------|--|------|------|------|------|

| Item # | Description | 1-9 | 10-24 | 25-99 | 100+ |
|--------|-------------|-----|-------|-------|------|
|--------|-------------|-----|-------|-------|------|

Waterproof D-Sub Connectors and Backshells - IEC IP67 Rated

Harsh outdoor or indoor environments can destroy electronic equipment. Standard D-Sub connectors are not intended to withstand contaminants such as water and dust. By utilizing tough ABS housings, rubber gaskets and silicone insulating rings, these products achieve IEC IP67 ratings. Panel mounted D-Sub solder connectors are rear mounted and fit into standard D-Sub holes. Backshells conform to a variety of cable diameters by adjusting the sealing nut. L-com will manufacture cable assemblies using waterproof backshells with modest minimum requirements.

Waterproof D-Sub Panel Mount Solder Connectors

These solder cup connectors are available in male or female genders and DB9, DB15, DB25 and HD15 sizes. They will accommodate wire ranges from 30 - 20 AWG. Construction features gold plated brass contacts, nickel plated steel shells and a silicone insulating ring. Maximum recommended panel thickness is 0.078" (0.2cm).

| | | | | | |
|----------|--|-------|-------|-------|------|
| WPSD9P | Waterproof Panel Mount Solder Cup D-Sub Connector, DB9M | 14.97 | 14.07 | 13.18 | CALL |
| WPSD9S | Waterproof Panel Mount Solder Cup D-Sub Connector, DB9F | 14.97 | 14.07 | 13.18 | CALL |
| WPSD15P | Waterproof Panel Mount Solder Cup D-Sub Connector, DB15M | 17.15 | 16.12 | 15.09 | CALL |
| WPSD15S | Waterproof Panel Mount Solder Cup D-Sub Connector, DB15F | 17.15 | 16.12 | 15.09 | CALL |
| WPSD25P | Waterproof Panel Mount Solder Cup D-Sub Connector, DB25M | 19.33 | 18.17 | 17.01 | CALL |
| WPSD25S | Waterproof Panel Mount Solder Cup D-Sub Connector, DB25F | 19.33 | 18.17 | 17.01 | CALL |
| WPSDH15P | Waterproof Panel Mount Solder Cup D-Sub Connector, HD15M | 17.15 | 16.12 | 15.09 | CALL |
| WPSDH15S | Waterproof Panel Mount Solder Cup D-Sub Connector, HD15F | 17.15 | 16.12 | 15.09 | CALL |

Waterproof D-Sub Connector Covers

L-com's WPSD series of waterproof covers are perfect for protecting D-Subminiature connectors from contamination and moisture. Designed for harsh environments, these protective covers can be used with L-com's WPSD series waterproof D-Sub connectors to ensure IP67 rated protection. Several versions are available for the most common D-Sub connector styles including DB9 (HD15), DB15 and DB25.

| | | | | | |
|-----------|--|------|------|------|------|
| WPSD1-CVR | Waterproof D-Sub Connector Cover, DB9 and HD15 | 7.41 | 6.96 | 6.52 | CALL |
| WPSD2-CVR | Waterproof D-Sub Connector Cover, DB15 | 7.72 | 7.26 | 6.79 | CALL |
| WPSD3-CVR | Waterproof D-Sub Connector Cover, DB25 | 7.98 | 7.50 | 7.02 | CALL |

Waterproof D-Sub Backshell Kits

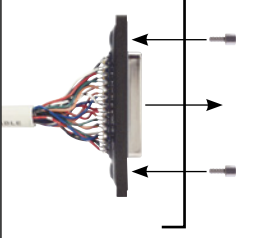
These backshell kits include solder cup connectors and are also available in male or female genders and DB9, DB15, DB25 and HD15 sizes. The connectors will accommodate wire ranges from 30 - 20 AWG. Backshell construction features ABS housings, nylon seals, nickel plated brass thumbscrews and rubber sealing gaskets to insure IEC IP67 rating.

| | | | | | |
|--------------|---------------------------------------|-------|-------|-------|------|
| WPDB9P-KIT | Waterproof D-Sub Backshell Kit, DB9M | 17.15 | 16.12 | 15.09 | CALL |
| WPDB9S-KIT | Waterproof D-Sub Backshell Kit, DB9F | 17.15 | 16.12 | 15.09 | CALL |
| WPDB15P-KIT | Waterproof D-Sub Backshell Kit, DB15M | 19.33 | 18.17 | 17.01 | CALL |
| WPDB15S-KIT | Waterproof D-Sub Backshell Kit, DB15F | 19.33 | 18.17 | 17.01 | CALL |
| WPDB25P-KIT | Waterproof D-Sub Backshell Kit, DB25M | 22.59 | 21.23 | 19.88 | CALL |
| WPDB25S-KIT | Waterproof D-Sub Backshell Kit, DB25F | 22.59 | 21.23 | 19.88 | CALL |
| WPHDB15P-KIT | Waterproof D-Sub Backshell Kit, HD15M | 14.97 | 13.78 | 12.58 | CALL |
| WPHDB15S-KIT | Waterproof D-Sub Backshell Kit, HD15F | 14.97 | 13.78 | 12.58 | CALL |

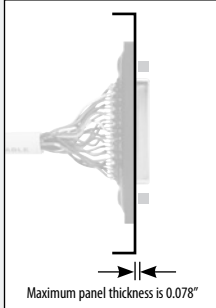


Tip How to apply panel mount waterproof D-Sub products

STEP 1

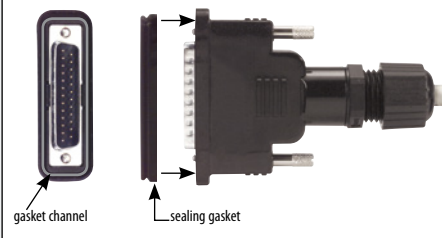


Mount D-Sub connector from inside of panel or enclosure using hex jack screws provided.



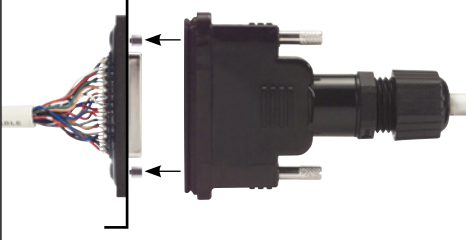
Maximum panel thickness is 0.078"

STEP 2



Apply sealing gasket (supplied with backshell kit) in backshell channel around perimeter of D-Sub connector.

STEP 3



Mate connectors and secure backshell thumbscrews to threaded jack screws.



Waterproof IP67 rating is achieved by gaskets/seals in backshell and silicone seal ring in connector.

Tip How are Slim-Line adapters used?

Gender Changers:

Allow two same gender connectors to mate. Very handy to have on hand to solve problems in the field or lab. **See detail 1.**

Can also be used as pass through connectors for panel mounting. **See detail 3.**

Socket Savers:

Extend the life of more expensive D-Sub connectors on PCBs and cable assemblies that are subject to frequent mating and unmating. **See detail 2.**

Can also be used as pass through connectors for panel mounting.

Null Modem, Reverser and Custom Wired Adapters:

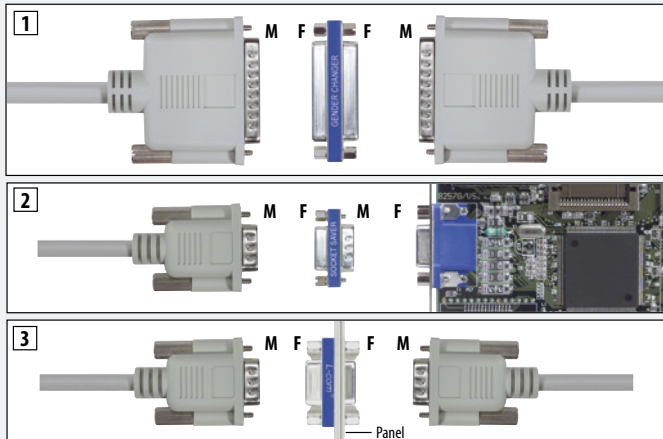
Convert existing straight wired cables to the desired wiring scheme.

Can also be used for panel mounting.

Online Video

L-com.com/Videos/A24

Slim-Line adapters are used in a variety of applications, as illustrated here. Due to their low profile, they help reduce leverage strain on overstressed interface ports. (F = Female Connector, M = Male Connector)

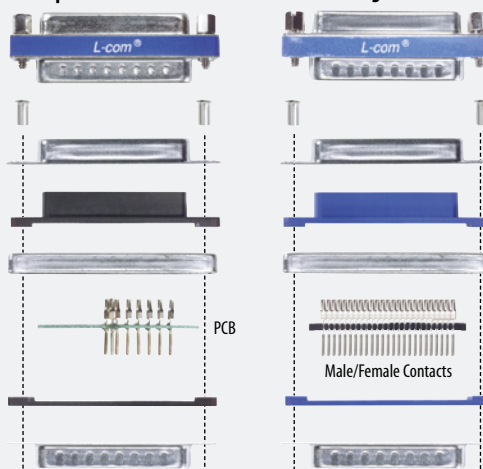


Tip How Slim-Line adapters are constructed

All Slim-Line adapters are fully shielded providing EMI protection in electrically noisy environments. Gender Changers and Socket Savers use a one piece contact design ensuring reliability in applications requiring frequent connector mating/unmating. Standard mating hardware is easily removed and replaced for situations such as mismatched hardware, panel mounting, etc.

Adapters and Reversers

Gender Changer/Socket Saver



Mating Hardware
Durability Mating/Unmating
Temperature Rating
Current Rating
Voltage Rating

Brass, Nickel Plated
Approx. 100 cycles
-55°C to 105°C
5 amps max.
50 volts max.

Components

Materials

| | |
|--------------------------|----------------------------------|
| Hollow Rivet | Steel/Tin Plated |
| Female Connector Shell | Steel/Tin Plated |
| Female Connector Housing | Glass filled PBT, UL94 V-0 rated |
| Metal Shield | Steel/Tin Plated |
| Contacts | Brass/Gold Flash Plated |
| Male Connector Housing | Glass filled PBT, UL94 V-0 rated |
| Male Connector Shell | Steel/Tin Plated |

| Item # | Description | 1-9 | 10-24 | 25-99 | 100+ |
|--------|-------------|-----|-------|-------|------|
|--------|-------------|-----|-------|-------|------|

DB9, DB15 and DB25 Shielded Covers - Protect Ports from Contamination and EMI

These unique all metal covers provide port protection and shielding from EMI/RFI interference. Unlike other covers, the DML series is equipped with 4-40 screws for positive attachment and proper grounding.

| | | | | | |
|---------|--------------------------------|------|------|------|------|
| DML009P | Shielded Cover for DB9M | 1.81 | 1.67 | 1.52 | CALL |
| DML009S | Shielded Cover for DB9F/HD15F | 1.81 | 1.67 | 1.52 | CALL |
| DML015P | Shielded Cover for DB15M | 1.81 | 1.67 | 1.52 | CALL |
| DML015S | Shielded Cover for DB15F/HD26F | 1.81 | 1.67 | 1.52 | CALL |
| DML019P | Shielded Cover for DB25M | 1.81 | 1.67 | 1.52 | CALL |
| DML019S | Shielded Cover for DB25F/HD44F | 1.81 | 1.67 | 1.52 | CALL |

D-Sub Connector Covers - Protect Unused Ports, Pkg/10

These covers are perfect for protecting unused ports, cables or any expensive equipment from physical damage, dirt, and dust. Made from RoHS compliant PVC, these covers attach easily and stay in place with a snug friction fit.

| | | | | | |
|--------|--|------|------|------|------|
| CVR9F | DB9/HD15 Protective Cover for Female Connectors, Pkg/10 | 7.20 | 6.63 | 6.05 | CALL |
| CVR9M | DB9/HD15 Protective Cover for Male Connectors, Pkg/10 | 7.20 | 6.63 | 6.05 | CALL |
| CVR15F | DB15/HD26 Protective Cover for Female Connectors, Pkg/10 | 7.20 | 6.63 | 6.05 | CALL |
| CVR15M | DB15/HD26 Protective Cover for Male Connectors, Pkg/10 | 7.20 | 6.63 | 6.05 | CALL |
| CVR25F | DB25/HD44 Protective Cover for Female Connectors, Pkg/10 | 7.20 | 6.63 | 6.05 | CALL |
| CVR25M | DB25/HD44 Protective Cover for Male Connectors, Pkg/10 | 7.20 | 6.63 | 6.05 | CALL |
| CVR37F | DB37/HD62 Protective Cover for Female Connectors, Pkg/10 | 7.20 | 6.63 | 6.05 | CALL |
| CVR37M | DB37/HD62 Protective Cover for Male Connectors, Pkg/10 | 7.20 | 6.63 | 6.05 | CALL |
| CVR50F | DB50/HD78 Protective Cover for Female Connectors, Pkg/10 | 7.20 | 6.63 | 6.05 | CALL |
| CVR50M | DB50/HD78 Protective Cover for Male Connectors, Pkg/10 | 7.20 | 6.63 | 6.05 | CALL |

Assorted D-Sub Adapter Selection Matrix

Use this handy chart to locate the desired D-Sub adapter. Simply locate the connector sizes and genders along the top and intersect with the row showing the desired adapter style. If a specific adapter is not listed, please visit our website at **L-com.com** for the latest information or select Product Wizards

under the heading of Technical Resources at the top of our website or call our Technical Support Group at **800-343-1455** for assistance. Wiring schemes are on the engineering drawings available on L-com's website.

| ASSORTED D-SUB ADAPTER SELECTOR GUIDE | | | | | | |
|---------------------------------------|--------------------------|-------------------------|-------------------------|------------------------|---------------------|--|
| INTERFACE | | DB9 MALE-DB25 FEMALE | DB9 FEMALE-DB25 MALE | DB9 FEMALE-DB25 FEMALE | DB9 MALE-DB9 FEMALE | DB25 MALE-DB25 FEMALE |
| ADAPTER TYPE | AT MODEM | DG259FM-IBM DMA010MF | DG259MF-IBM DMA010FM | DGL259FF-IBM | | |
| | NULL MODEM | | | | DMA060MF | DMA070MF DMA071MF DMA072MF DMA074MF |
| | REVERSE (Position 2 & 3) | | | | DMA030MF | DMA040MF |
| | RGB MONITOR | | | | | DMA100MM |

| Item # | Description | 1-9 | 10-24 | 25-99 | 100+ |
|--------|-------------|-----|-------|-------|------|
|--------|-------------|-----|-------|-------|------|

Slim-Line DB9 or DB25 Null Modems, Adapters and Reversers - Communicate Without Modems

L-com's series of Null Modems and Reversers are completely shielded. More important, their extremely low profile reduces leverage strain and breakage on overstressed computer ports. The Null Modems shown are typical of our Slim-Line manufacturing technique. They are also available in virtually any wiring configuration.

| | | | | | |
|----------|--|------|------|------|------|
| DMA030MF | Slim-Line Reversing Adapter, Pins 2 and 3, DB9 Male/Female | 7.45 | 6.71 | 5.96 | CALL |
| DMA040MF | Slim-Line Reversing Adapter, Pins 2 and 3, DB25 Male/Female | 8.69 | 7.82 | 6.95 | CALL |
| DMA060MF | Slim-Line Null Modem Adapter, DB9 Male/Female | 7.45 | 6.71 | 5.96 | CALL |
| DMA070MF | Slim-Line Null Modem Adapter, DB25 Std. Handshake, Male/Female | 8.69 | 7.82 | 6.95 | CALL |
| DMA071MF | Slim-Line Null Modem Adapter, DB25 Full Handshake, Male/Female | 8.69 | 7.82 | 6.95 | CALL |
| DMA072MF | Slim-Line Null Modem Adapter, DB25 Auto Handshake, Male/Female | 8.69 | 7.82 | 6.95 | CALL |
| DMA074MF | Slim-Line Null Modem Adapter, DB25 Specialty, Male/Female | 8.69 | 7.82 | 6.95 | CALL |

DB25-DB9 Serial Port Adapters and Cables - Change From 9 to 25 and Vice Versa

Does your PC have a DB9 serial port while your modem has a DB25? These handy adapters and cables can solve your interface problem. All are 100% shielded for applications where noise is abundant.

| | | | | | |
|-------------|--|-------|------|------|------|
| CMZ6-IBM | Molded AT Modem Cable, DB25 Male/DB9 Female, 6.0ft (1.8m) | 8.59 | 7.90 | 7.22 | CALL |
| CMZ10-IBM | Molded AT Modem Cable, DB25 Male/DB9 Female, 10.0ft (3.0m) | 10.35 | 9.52 | 8.70 | CALL |
| DG259FM-IBM | Molded AT Adapter, High Profile, DB25 Female/DB9 Male | 7.14 | 6.57 | 6.00 | CALL |
| DG259MF-IBM | Molded AT Adapter, High Profile, DB25 Male/DB9 Female | 7.14 | 6.57 | 6.00 | CALL |

Note: DG types supplied with user removable hex nuts.

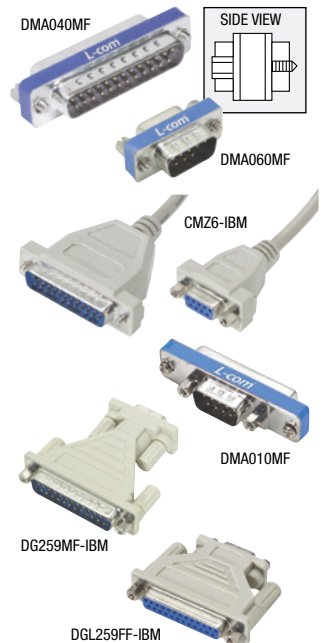
| | | | | | |
|----------|--|------|------|------|------|
| DMA010MF | Slim-Line AT Adapter, DB9 Male/DB25 Female | 7.76 | 6.99 | 6.21 | CALL |
| DMA010FM | Slim-Line AT Adapter, DB9 Female/DB25 Male | 7.76 | 6.99 | 6.21 | CALL |

DB25-DB9 Low Profile Serial Port Adapters - Change From DB9 to DB25 and Vice Versa

Convert your existing serial cables to insure a reliable connection between your DCE serial device/modem and your PC's 9 pin serial port by using these adapters. Features 100% shielding, rugged molded backshells, gold plated contacts for the best conductivity and low profile design for tight spaces. Hex nuts are removable to mate with PC ports having reverse hardware or peripherals with standard hardware.

| | | | | | |
|--------------|--|------|------|------|------|
| DGL259FF-IBM | Molded AT Adapter, Low Profile, DB25 Female/DB9 Female | 7.14 | 6.57 | 6.00 | CALL |
|--------------|--|------|------|------|------|

See detailed drawings for wiring information at **L-com.com**

**Gender Changer and Socket Saver Selection Matrix**

Use this handy chart to locate the desired gender changer or socket saver. Simply locate the connector size along the top (standard or filtered) and intersect with the row showing the desired connector genders. If a specific adapter is not listed, please visit our website at **L-com.com** for the latest

information and select Product Wizards under the heading of Technical Resources at the top of our website or call our Technical Support Group at **800-343-1455** for assistance.

| GENDER CHANGER & SOCKET SAVER D-SUB ADAPTER SELECTOR GUIDE (ALL WIRING STRAIGHT THROUGH) | | | | | | | | | | | | | | |
|--|---------------|--|----------------------------|--|-------------------------------|--|-------------------------------|--------------|-----------------------|--------------------|---|---------------------|---------------------|---------------------|
| INTERFACE | | STANDARD D-SUB | | | | | | | | HIGH DENSITY D-SUB | | | | |
| | | 9 PIN D-SUB | 9 PIN D-SUB FILTERED | 15 PIN D-SUB | 15 PIN D-SUB FILTERED | 25 PIN D-SUB | 25 PIN D-SUB FILTERED | 37 PIN D-SUB | 37 PIN D-SUB FILTERED | 50 PIN D-SUB | 15 PIN HIGH DENSITY | 26 PIN HIGH DENSITY | 44 PIN HIGH DENSITY | 62 PIN HIGH DENSITY |
| GENDER | FEMALE-FEMALE | DGB9F | | DGB15F | | DGB25F | | DGB37F | | DGB50F | DGBH15F DGBV15F* DMB521F | DGBH26F | DGBH44F | DGBH62F |
| | MALE-MALE | DGB9M | | DGB15M | | DGB25M | | DGB37M | | DGB50M | DGBH15M DGBV15M* DMB520M | DGBH26M | DGBH44M | DGBH62M |
| | MALE-FEMALE | DGB9MF DG909MF1 DG909MF2 DG909MF3 | DGF9MF DGF9MF DGF9MF | DGB15MF DG9015MF1 DG9015MF2 DG9015MF3 | DGF15MF DGF15MF DGF15MF | DGB25MF DG9025MF1 DG9025MF2 DG9025MF3 | DGF25MF DGF25MF DGF25MF | DGB37MF | DGF37MF DGF37MF | DGB50MF | DGBV15MF* DGBH15MF DG90H15MF1 DG90H15MF2 DG90H15MF3 | DGBH26MF | DGBH44MF | DGBH62MF |

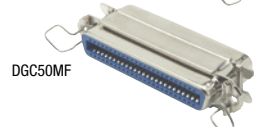
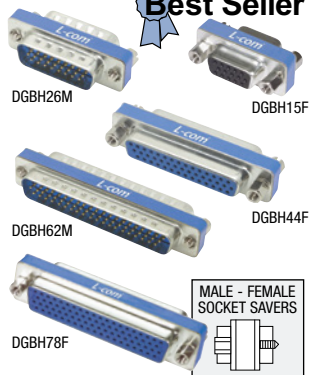
*Pin 9 missing for older, legacy VGA applications.

Standard D-Sub



High-Density D-Sub

Best Seller



| Item # | Description | 1-9 | 10-24 | 25-99 | 100+ |
|--------|-------------|-----|-------|-------|------|
|--------|-------------|-----|-------|-------|------|

Slim-Line Gender Changer/Adapters - Reduce Port Receptacle Strain Up To 90%

| | | | | | |
|--------|--|-------|-------|------|------|
| DGB9F | Slim-Line Gender Changer, DB9 Female/Female | 5.13 | 4.62 | 4.10 | CALL |
| DGB9M | Slim-Line Gender Changer, DB9 Male/Male | 5.13 | 4.62 | 4.10 | CALL |
| DGB15F | Slim-Line Gender Changer, DB15 Female/Female | 6.17 | 5.55 | 4.93 | CALL |
| DGB15M | Slim-Line Gender Changer, DB15 Male/Male | 6.17 | 5.55 | 4.93 | CALL |
| DGB25F | Slim-Line Gender Changer, DB25 Female/Female | 7.20 | 6.48 | 5.76 | CALL |
| DGB25M | Slim-Line Gender Changer, DB25 Male/Male | 7.20 | 6.48 | 5.76 | CALL |
| DGB37F | Slim-Line Gender Changer, DB37 Female/Female | 9.27 | 8.35 | 7.42 | CALL |
| DGB37M | Slim-Line Gender Changer, DB37 Male/Male | 9.27 | 8.35 | 7.42 | CALL |
| DGB50F | Slim-Line Gender Changer, DB50 Female/Female | 11.35 | 10.21 | 9.08 | CALL |
| DGB50M | Slim-Line Gender Changer, DB50 Male/Male | 11.35 | 10.21 | 9.08 | CALL |

Socket Saver Adapters - Extend D-Sub Connector Usage and Avoid Major Repairs

| | | | | | |
|---------|--|-------|-------|------|------|
| DGB9MF | Slim-Line Socket Saver, DB9 Male/Female | 5.13 | 4.62 | 4.10 | CALL |
| DGB15MF | Slim-Line Socket Saver, DB15 Male/Female | 6.17 | 5.55 | 4.93 | CALL |
| DGB25MF | Slim-Line Socket Saver, DB25 Male/Female | 7.20 | 6.48 | 5.76 | CALL |
| DGB37MF | Slim-Line Socket Saver, DB37 Male/Female | 9.27 | 8.35 | 7.42 | CALL |
| DGB50MF | Slim-Line Socket Saver, DB50 Male/Female | 11.35 | 10.21 | 9.08 | CALL |

High-Density Slim-Line Gender Changers - Same Small Size for High-Density D-Subs

| | | | | | |
|---------|--|-------|-------|-------|------|
| DGBH15F | Slim-Line Gender Changer, HD15 Female/Female | 8.24 | 7.41 | 6.59 | CALL |
| DGBH15M | Slim-Line Gender Changer, HD15 Male/Male | 8.24 | 7.41 | 6.59 | CALL |
| DGBH26F | Slim-Line Gender Changer, HD26 Female/Female | 10.93 | 9.84 | 8.75 | CALL |
| DGBH26M | Slim-Line Gender Changer, HD26 Male/Male | 10.93 | 9.84 | 8.75 | CALL |
| DGBH44F | Slim-Line Gender Changer, HD44 Female/Female | 12.13 | 10.92 | 9.71 | CALL |
| DGBH44M | Slim-Line Gender Changer, HD44 Male/Male | 12.13 | 10.92 | 9.71 | CALL |
| DGBH62F | Slim-Line Gender Changer, HD62 Female/Female | 15.78 | 14.20 | 12.62 | CALL |
| DGBH62M | Slim-Line Gender Changer, HD62 Male/Male | 15.78 | 14.20 | 12.62 | CALL |
| DGBH78F | Slim-Line Gender Changer, HD78 Female/Female | 17.03 | 15.32 | 13.62 | CALL |
| DGBH78M | Slim-Line Gender Changer, HD78 Male/Male | 17.03 | 15.32 | 13.62 | CALL |

High-Density Socket Saver Adapters - Great for Preventing Wear on High-Density Connectors

| | | | | | |
|----------|--|-------|-------|-------|------|
| DGBH15MF | Slim-Line Socket Saver, HD15 Male/Female | 8.24 | 7.41 | 6.59 | CALL |
| DGBH26MF | Slim-Line Socket Saver, HD26 Male/Female | 10.93 | 9.84 | 8.75 | CALL |
| DGBH44MF | Slim-Line Socket Saver, HD44 Male/Female | 12.13 | 10.92 | 9.71 | CALL |
| DGBH62MF | Slim-Line Socket Saver, HD62 Male/Female | 15.78 | 14.20 | 12.62 | CALL |
| DGBH78MF | Slim-Line Socket Saver, HD78 Male/Female | 17.03 | 15.32 | 13.62 | CALL |

Slim-Line Gender Changer/Adapters - with Pin 9 Missing for Legacy VGA Cable Applications

| | | | | | |
|----------|--|------|------|------|------|
| DGBV15F | Slim-Line Gender Changer, HD15 Female/Female | 8.65 | 7.79 | 6.92 | CALL |
| DGBV15M | Slim-Line Gender Changer, HD15 Male/Male | 8.65 | 7.79 | 6.92 | CALL |
| DGBV15MF | Slim-Line Socket Saver, HD15 Male/Female | 8.65 | 7.79 | 6.92 | CALL |
| DMA100MM | PS-2 Monitor Adapter, DB9 Male/HD15 Male | 8.24 | 7.41 | 6.59 | CALL |

Slim-Line Gender Changers and Socket Saver - SCSI/Telco 50

| | | | | | |
|---------|---|-------|-------|-------|------|
| DGC50F | Slim-Line SCSI Gender Changer, 50 Pin Female/Female | 13.77 | 12.67 | 11.57 | CALL |
| DGC50M | Slim-Line SCSI Gender Changer, 50 Pin Male/Male | 13.77 | 12.67 | 11.57 | CALL |
| DGC50MF | Slim-Line SCSI Socket Saver, 50 Pin Male/Female | 13.77 | 12.67 | 11.57 | CALL |

D-Sub Gender Changer Assortment Kit - Never Have a Mismatched Data Cable Again

Each of these assortment kits have a total of 8 adapters for just about every D-Sub cable correction. DGB1010K includes: DB9, DB15, DB25 and DB37; the DGBH1010K high-density kit includes DGBH15, DGBH26, DGBH44 and DGBH62, each in male/male and female/female versions.

| | | | | | |
|-----------|---|-------|-------|-------|------|
| DGB1010K | Slim-Line Gender Changer Kit, 8 Pieces | 56.94 | 51.25 | 45.55 | CALL |
| DGBH1010K | Hi-Density Gender Changer Kit, 8 Pieces | 81.19 | 73.07 | 64.95 | CALL |

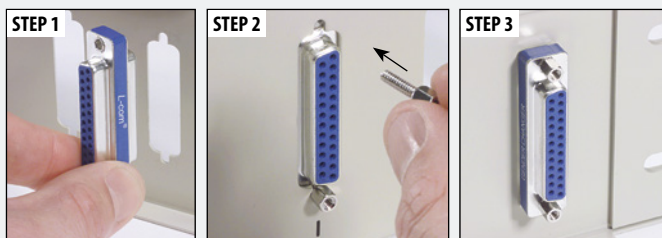
Slim-Line Block Ferrite Filter Adapters - Eliminate Problem EMI in Computing Devices

L-com's plug-receptacle feed-thru adapter is a viable alternative solution for companies that need to rework (retrofit) existing designs in their effort to meet FCC regulations. Use these filtered D-Sub adapters where it's necessary to limit electromagnetic interference (EMI). Easy installation, economical cost, low profile and fully shielded. Four D-Sub sizes available, supplied with male/female hardware. Engineer's kit is also available and contains one of each adapter in a plastic carrying case.

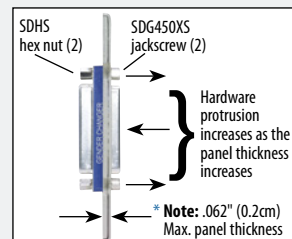
| | | | | | |
|---------|--|-------|-------|-------|------|
| DGF9MF | Ferrite Filter (EMI) Adapter, DB9 Male/Female | 8.65 | 7.96 | 7.27 | CALL |
| DGF15MF | Ferrite Filter (EMI) Adapter, DB15 Male/Female | 9.74 | 8.96 | 8.18 | CALL |
| DGF25MF | Ferrite Filter (EMI) Adapter, DB25 Male/Female | 10.83 | 9.96 | 9.10 | CALL |
| DGF37MF | Ferrite Filter (EMI) Adapter, DB37 Male/Female | 13.00 | 11.96 | 10.92 | CALL |
| DGF100K | Engineer's Kit with 4 EMI Adapters | 44.40 | 40.85 | 37.30 | CALL |

Tip Easy panel mount adapters

Online Video

L-com.com/Videos/A03


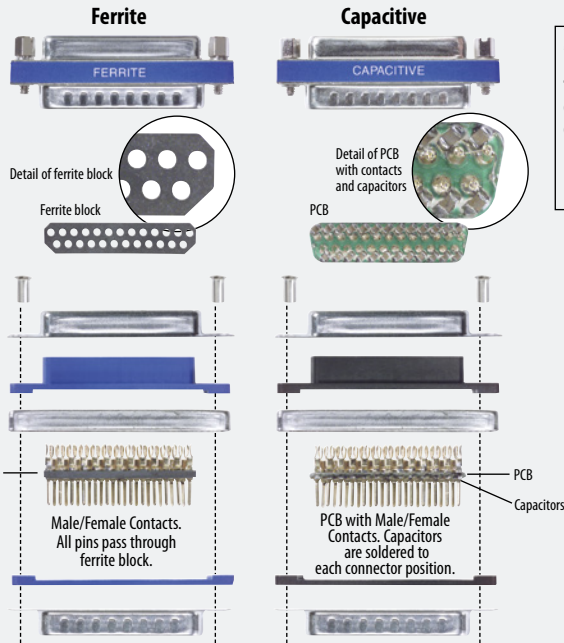
1. Remove standard hardware provided with adapter. Mount adapter from rear of panel.
2. Secure with jackscrew SDG450XS (purchased separately) from the front of the panel.
3. Thread hex nut SDHS (purchased separately) onto exposed threads of SDG450XS.



***Note:** Maximum recommended panel thickness is 0.062" (0.2cm). Dimensions in excess of 0.062" (0.2cm) can limit proper cable mating due to hex nut protrusion. Panels exceeding 0.062" (0.2cm) can be milled down to the recommended thickness in the area around the adapter.

How filter adapters are constructed

Filtered adapters provide a cost effective method for reducing electromagnetic interference (EMI) and can help to avoid costly product redesigns. L-com offers two styles of filtered adapters, **Ferrite** and **Capacitive**.



| | |
|--|----------------------|
| Mating Hardware | Brass, Nickel Plated |
| Durability Mating/Unmating | Approx. 100 cycles |
| Temperature Rating | -55°C to 105°C |
| Current Rating | 5 amps max. |
| Capacitors (Ceramic) | 820 pF ± 10% |
| | Voltage 100 VDC |
| Dielectric Withstanding Voltage | 500 VDC, 1 minute |
| Insulation Resistance | 500m Ohms @ 100 VDC |

| Components | Materials |
|--------------------------|----------------------------------|
| Hollow Rivet | Steel/Tin Plated |
| Female Connector Shell | Steel/Tin Plated |
| Female Connector Housing | Glass filled PBT, UL94 V-0 rated |
| Metal Shield | Steel/Tin Plated |
| Contacts | Brass/gold flash plated |
| Male Connector Housing | Glass filled PBT, UL94 V-0 rated |
| Male Connector Shell | Steel/Tin Plated |

| Item # | Description | 1-9 | 10-24 | 25-99 | 100+ |
|--------|-------------|-----|-------|-------|------|
|--------|-------------|-----|-------|-------|------|

Slim-Line Ceramic Capacitive Filter Adapters - For Excellent, Economical Noise Removal

Filtering is the simplest method of removing unwanted interference from within a circuit. A capacitive filter is built into a male/female D-Sub adapter that provides an easy-to-use retrofit adapter. Although reasonably priced, there is a cost associated with capacitors and that is signal degradation, particularly in CMOS circuits with extremely low signal levels. Systems that transmit strong signals and can tolerate moderate loss are well suited for capacitive filtering. Our compact design allows an extremely low profile of only 0.2" (0.5cm). Individual capacitance on each pin is 820pF. Also available in an engineer's kit of 4 adapters.

| | | | | | |
|----------|---|-------|-------|-------|------|
| DGFC9MF | Capacitive Filter (EMC) Adapter, DB9 Male/Female | 10.21 | 9.39 | 8.57 | CALL |
| DGFC15MF | Capacitive Filter (EMC) Adapter, DB15 Male/Female | 12.49 | 11.49 | 10.49 | CALL |
| DGFC25MF | Capacitive Filter (EMC) Adapter, DB25 Male/Female | 15.91 | 14.63 | 13.36 | CALL |
| DGFC37MF | Capacitive Filter (EMC) Adapter, DB37 Male/Female | 23.88 | 21.97 | 20.06 | CALL |
| DGFC100K | Engineer's Kit with 4 EMC Adapters | 61.50 | 56.58 | 51.66 | CALL |

DB9, DB15, DB25 or HD15 Connectors for Field Termination - Panel Mountable, Male or Female

These field termination connectors provide an easy and convenient way to perform field termination of any DB9, DB15, DB25 or HD15 cable. Separate connection points are provided for all positions of the connector plus the ground. Terminal block design with set screws provides reliable electrical connections without special tools. The terminal block area is clearly marked making proper termination virtually foolproof. Panel mountable for thickness up to 0.062" (0.2cm). Please note the orientation of the terminal blocks on the new male connectors.

| | | | | | |
|-----------|--|-------|-------|-------|------|
| DGB9FT | DB9 Female Connector for Field Termination | 9.01 | 8.47 | 7.93 | CALL |
| DGB15FT | DB15 Female Connector for Field Termination | 10.62 | 9.98 | 9.35 | CALL |
| DGB25FT | DB25 Female Connector for Field Termination | 13.06 | 12.27 | 11.49 | CALL |
| DGBH15FT | SVGA HD15 Female Connector for Field Termination | 11.42 | 10.74 | 10.05 | CALL |
| DGB9MT1 | DB9 Male Connector for Field Termination | 9.01 | 8.47 | 7.93 | CALL |
| DGB15MT1 | DB15 Male Connector for Field Termination | 10.62 | 9.98 | 9.35 | CALL |
| DGB25MT1 | DB25 Male Connector for Field Termination | 13.06 | 12.27 | 11.49 | CALL |
| DGBH15MT1 | SVGA HD15 Male Connector for Field Termination | 10.88 | 10.23 | 9.57 | CALL |

DB9, DB15, DB25 or HD15 Female Connectors for Field Termination with Screwless Terminal Block

These field termination female connectors provide an easy and convenient way to perform field termination of any cable. Separate connection points are provided for all positions of the connector plus the ground. Screwless terminal block design with spring clamp provides reliable electrical connections utilizing no special tools. Simply depress the spring clamp, insert wire, release and the wire is secure. The terminal block area is clearly marked making proper termination virtually foolproof. Panel mountable for thickness up to 0.062" (0.2cm).

| | | | | | |
|----------|---|-------|-------|-------|------|
| DGS9FT | DB9 Female Connector for Field Termination | 9.53 | 8.96 | 8.39 | CALL |
| DGS15FT | DB15 Female Connector for Field Termination | 11.19 | 10.52 | 9.85 | CALL |
| DGS25FT | DB25 Female Connector for Field Termination | 13.89 | 13.05 | 12.22 | CALL |
| DGSH15FT | HD15 Female Connector for Field Termination | 11.45 | 10.76 | 10.08 | CALL |

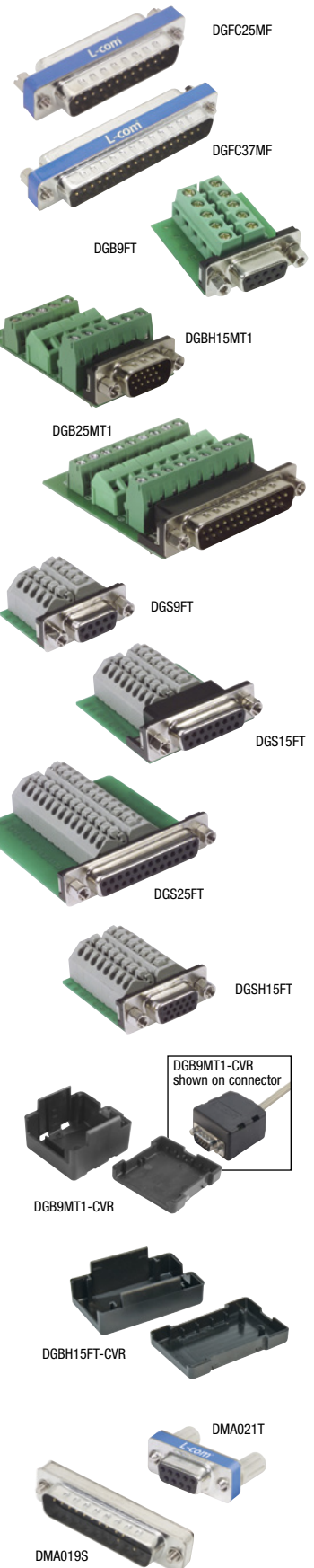
Covers for Field Termination Connectors

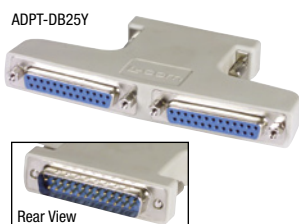
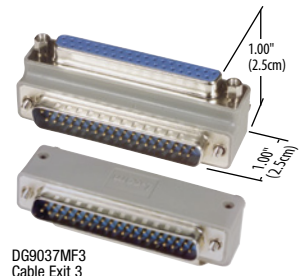
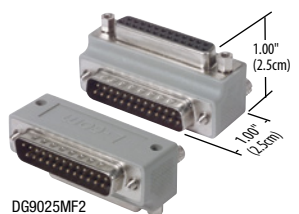
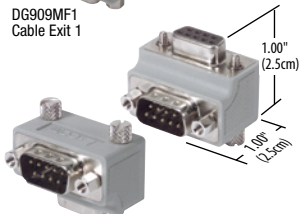
These secure, snap together covers provide protection and strain relief for our popular field termination connectors. Simply snap together the two cover halves over the terminated connector and secure exiting cable or wires with a tie wrap (included).

| | | | | | |
|---------------|---|------|------|------|------|
| DGB9FT-CVR | Cover for DGB9FT Field Termination Connector | 2.28 | 2.14 | 2.01 | CALL |
| DGB9MT1-CVR | Cover for DGB9MT1 Field Termination Connector | 2.28 | 2.14 | 2.01 | CALL |
| DGB15MT1-CVR | Cover for DGB15MT1 Field Termination Connector | 2.30 | 2.16 | 2.02 | CALL |
| DGB15FT-CVR | Cover for DGB15FT Field Termination Connector | 2.30 | 2.16 | 2.02 | CALL |
| DGBH15MT1-CVR | Cover for DGBH15MT1 Field Termination Connector | 2.20 | 2.07 | 1.94 | CALL |
| DGBH15FT-CVR | Cover for DGBH15FT Field Termination Connector | 2.20 | 2.07 | 1.94 | CALL |
| DGB25MT1-CVR | Cover for DGB25MT1 Field Termination Connector | 2.40 | 2.26 | 2.11 | CALL |
| DGB25FT-CVR | Cover for DGB25FT Field Termination Connector | 2.40 | 2.26 | 2.11 | CALL |

Slim-Line Loopback Test Plugs - Emulate Working Conditions for Your Testing Needs

| | | | | | |
|---------|---|------|------|------|------|
| DMA019S | Slim-Line Parallel Loopback Plug, DB25 Male | 9.11 | 8.20 | 7.29 | CALL |
| DMA021T | Slim-Line Loopback Plug, DB9 Female | 9.11 | 8.20 | 7.29 | CALL |





| Item # | Description | 1-9 | 10-24 | 25-99 | 100+ |
|--|---|-------|-------|-------|------|
| DB9, HD15, DB15, DB25 and DB37 Low Profile Right Angle Adapters - Molded and Fully Shielded | | | | | |
| DG909MF1 | Low Profile Right Angle Adapter, DB9 Male/Female, Cable Exit 1 | 8.11 | 7.62 | 7.14 | CALL |
| DG909MF2 | Low Profile Right Angle Adapter, DB9 Male/Female, Cable Exit 2 | 8.11 | 7.62 | 7.14 | CALL |
| DG909MF3 | Low Profile Right Angle Adapter, DB9 Male/Female, Cable Exit 3 | 8.11 | 7.62 | 7.14 | CALL |
| DG90H15MF1 | Low Profile Right Angle Adapter, HD15 Male/Female, Cable Exit 1 | 9.23 | 8.68 | 8.12 | CALL |
| DG90H15MF2 | Low Profile Right Angle Adapter, HD15 Male/Female, Cable Exit 2 | 9.23 | 8.68 | 8.12 | CALL |
| DG90H15MF3 | Low Profile Right Angle Adapter, HD15 Male/Female, Cable Exit 3 | 9.23 | 8.68 | 8.12 | CALL |
| DG9015MF1 | Low Profile Right Angle Adapter, DB15 Male/Female, Cable Exit 1 | 9.23 | 8.68 | 8.12 | CALL |
| DG9015MF2 | Low Profile Right Angle Adapter, DB15 Male/Female, Cable Exit 2 | 9.23 | 8.68 | 8.12 | CALL |
| DG9015MF3 | Low Profile Right Angle Adapter, DB15 Male/Female, Cable Exit 3 | 9.23 | 8.68 | 8.12 | CALL |
| DG9025MF1 | Low Profile Right Angle Adapter, DB25 Male/Female, Cable Exit 1 | 11.53 | 10.84 | 10.14 | CALL |
| DG9025MF2 | Low Profile Right Angle Adapter, DB25 Male/Female, Cable Exit 2 | 11.53 | 10.84 | 10.14 | CALL |
| DG9025MF3 | Low Profile Right Angle Adapter, DB25 Male/Female, Cable Exit 3 | 11.53 | 10.84 | 10.14 | CALL |
| DG9037MF1 | Low Profile Right Angle Adapter, DB37 Male/Female, Cable Exit 1 | 13.87 | 13.04 | 12.21 | CALL |
| DG9037MF2 | Low Profile Right Angle Adapter, DB37 Male/Female, Cable Exit 2 | 13.87 | 13.04 | 12.21 | CALL |
| DG9037MF3 | Low Profile Right Angle Adapter, DB37 Male/Female, Cable Exit 3 | 13.87 | 13.04 | 12.21 | CALL |

Y Adapters/Splitters for DB9, DB15 and DB25 Connector Sizes

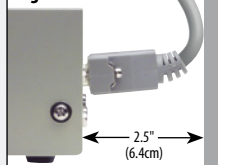
These handy Y adapters are wired straight through for applications requiring splitting signals. The single end is male while the dual/split end is female for easy attachment to standard cable assemblies. The housing is fully shielded to maintain EMI protection and the contacts are 30 microinch (0.762µm) gold plated allowing for many mating cycles.

| | | | | | |
|------------|---|-------|-------|-------|------|
| ADPT-DB9Y | Y Splitter Adapter, DB9M - DB9F & DB9F | 10.83 | 10.40 | 9.96 | CALL |
| ADPT-DB15Y | Y Splitter Adapter, DB15M - DB15F & DB15F | 12.54 | 12.04 | 11.53 | CALL |
| ADPT-DB25Y | Y Splitter Adapter, DB25M - DB25F & DB25F | 15.96 | 15.32 | 14.68 | CALL |

Tip How are right angle adapters used?

Right angle adapters assist in connecting cables in tight spaces by allowing the cable to mate at a 90 degree angle. This reduces the backshell and cable bend distance required when mating cables. L-com offers right angle adapters in DB9, DB15, DB25, DB37 and HD15 male to female configurations with three cable exit directions each. Hardware is reversible allowing for use in virtually any application.

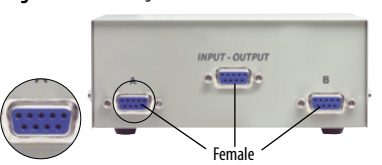
Figure 1



Cables require approximately 2.5" to exit a mating connector depending on backshell length and cable diameter/flexibility.

Figure 2

Mating to a female connector



Choose the proper adapter for desired cable exit direction and simply plug the cable into the adapter.

Figure 3

Mating to a female connector

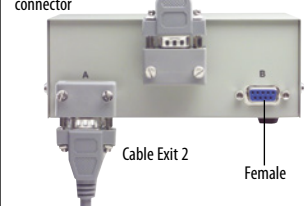
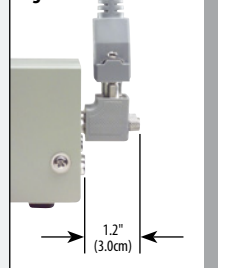


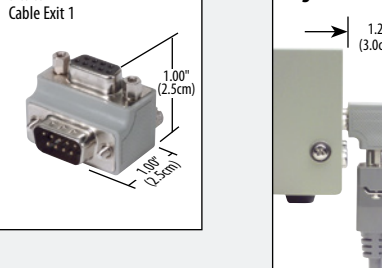
Figure 4



Cable Exit 1 Side View

Figure 5

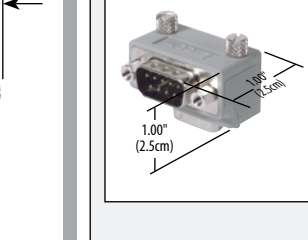
Mating to a male connector



Cable Exit 2 Side View

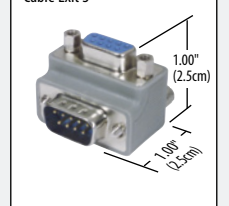
Figure 6

Mating to a male connector

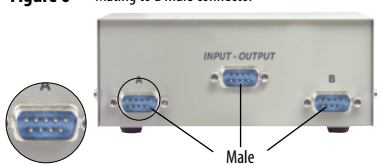


Cable Exit 3 allows the user to rotate the female connector 180° compared to Cable Exits 1 and 2.

Figure 7



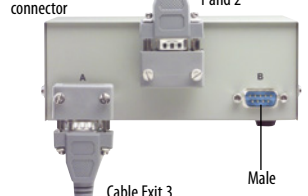
Mating to a male connector



Choose the proper adapter for desired cable exit direction and simply plug the cable into the adapter.

Figure 8

Mating to a male connector



Note: When mating to a male connector, Cable Exits 1 and 2 exit in the same direction.

| Item # | Description | 1-9 | 10-24 | 25-99 | 100+ |
|--------|-------------|-----|-------|-------|------|
|--------|-------------|-----|-------|-------|------|

Do-It-Yourself Kits - Everything You Need to Build Your Own Data Line Adapters

Allows the creation of many types of data line adapters. Utilizes the most popular D-Subminiature connectors with solder cup terminations. Simply solder short wire jumpers to pins of your choice. The following components are included in each kit: two D-Sub Connectors of appropriate size and gender, two snap-on half covers and a complete set of hardware for the connectors. No jumper wires are supplied.

| | | | | | |
|--------|---------------------------------------|------|------|------|------|
| DIY9MF | Do-It-Yourself Kit, DB9 Male/Female | 8.69 | 8.35 | 8.00 | CALL |
| DIY9MM | Do-It-Yourself Kit, DB9 Male/Male | 8.48 | 8.14 | 7.80 | CALL |
| DIY9FF | Do-It-Yourself Kit, DB9 Female/Female | 8.91 | 8.55 | 8.20 | CALL |

| | | | | | |
|---------|--|------|------|------|------|
| DIY15MF | Do-It-Yourself Kit, DB15 Male/Female | 9.56 | 9.18 | 8.80 | CALL |
| DIY15MM | Do-It-Yourself Kit, DB15 Male/Male | 9.35 | 8.97 | 8.60 | CALL |
| DIY15FF | Do-It-Yourself Kit, DB15 Female/Female | 9.78 | 9.39 | 9.00 | CALL |

| | | | | | |
|---------|--|-------|-------|------|------|
| DIY25MF | Do-It-Yourself Kit, DB25 Male/Female | 10.65 | 10.23 | 9.80 | CALL |
| DIY25MM | Do-It-Yourself Kit, DB25 Male/DB9 Female | 8.91 | 8.55 | 8.20 | CALL |
| DIY25FF | Do-It-Yourself Kit, DB25 Female/DB9 Female | 9.13 | 8.76 | 8.40 | CALL |
| DIY25MM | Do-It-Yourself Kit, DB25 Male/DB9 Male | 8.69 | 8.35 | 8.00 | CALL |

| | | | | | |
|-------------|-------------------------------------|-------|-------|------|------|
| DIY9CMF | Metalized DIY Kit, DB9 Male/Female | 9.13 | 8.76 | 8.40 | CALL |
| DIY-HD15CMF | Metalized DIY Kit, HD15 Male/Female | 10.43 | 10.02 | 9.60 | CALL |
| DIYW | Pre-tinned Jumpers, Pkg/25 | 2.71 | 2.65 | 2.60 | CALL |

Data Jumper Box Kits - Include a PC Board to Simplify Data Line Adapter Design

Every pin of the male or female D-Subminiature connector terminates to solder pads with drilled holes on each end of the adapters' PC board to make connection easy. Supplied with ten wires already stripped and tinned for permanent wiring to suit your needs.

| | | | | | |
|---------|--|-------|-------|-------|------|
| DJB9MF | Plastic PCB Jumper Box, DB9 Male/Female | 12.17 | 11.69 | 11.20 | CALL |
| DJB15MF | Plastic PCB Jumper Box, DB15 Male/Female | 13.81 | 13.25 | 12.70 | CALL |
| DJB25MF | Plastic PCB Jumper Box, DB25 Male/Female | 15.33 | 14.72 | 14.10 | CALL |

Plastic D-Sub Half Cover Pairs - Popular Accessory to Assemble Custom Adapters

Choosing these D-Sub half cover pairs will satisfy most of your custom adapter requirements. These covers feature UL94V-0 rated plastic and are available in Gray or Black. They are supplied with the appropriate hardware to allow male/female or male/male cable connections. For female/female applications, you'll need two (2) additional hex standoffs.

| | | | | | |
|--------|-------------------------------------|------|------|------|------|
| DHP9G | Half Cover Pair, DB9, Gray Plastic | 2.60 | 2.50 | 2.39 | CALL |
| DHP15G | Half Cover Pair, DB15, Gray Plastic | 2.93 | 2.81 | 2.69 | CALL |
| DHP25G | Half Cover Pair, DB25, Gray Plastic | 3.04 | 2.91 | 2.79 | CALL |

| | | | | | |
|--------|--------------------------------------|------|------|------|------|
| DHP9B | Half Cover Pair, DB9, Black Plastic | 2.60 | 2.50 | 2.39 | CALL |
| DHP15B | Half Cover Pair, DB15, Black Plastic | 2.49 | 2.29 | 2.09 | CALL |
| DHP25B | Half Cover Pair, DB25, Black Plastic | 3.04 | 2.91 | 2.79 | CALL |

All Metal DB9 and DB25 Half Cover Pairs - Satisfy the Need for Being Compact and Rugged

The special design of these covers provides a smart look in adapter creation. All steel to take much abuse, with a heavy chrome plate to add attractiveness. Snaps together and comes apart easily. They are supplied with appropriate cable connector fastening hardware for male/female connections.

| | | | | | |
|-------|--|------|------|------|------|
| DHS9 | Half Cover Pair, DB9, Nickel Plated Steel | 3.80 | 3.65 | 3.49 | CALL |
| DHS25 | Half Cover Pair, DB25, Nickel Plated Steel | 3.91 | 3.75 | 3.59 | CALL |

Crimp & Poke Style Straight and Y Jumper Wires - Sold Only in Packs of 10

| | | | | | |
|--------|--|------|------|------|------|
| RA50M | Straight Jumper Wires, Male/Male, Pkg/10 | 3.57 | 3.50 | 3.36 | CALL |
| RA50F | Straight Jumper Wires, Female/Female, Pkg/10 | 3.57 | 3.50 | 3.36 | CALL |
| RA50MF | Straight Jumper Wires, Male/Female, Pkg/10 | 3.57 | 3.50 | 3.36 | CALL |

| | | | | | |
|---------|--|------|------|------|------|
| RA50MFM | Y Jumper Wires, Male/Female/Male, Pkg/10 | 4.61 | 4.52 | 4.33 | CALL |
| RA50FMF | Y Jumper Wires, Female/Male/Female, Pkg/10 | 4.61 | 4.52 | 4.33 | CALL |
| RA50FFF | Y Jumper Wires, Female/Female/Female, Pkg/10 | 4.61 | 4.52 | 4.33 | CALL |

Right Angle D-Sub PCB Connectors - 10 Connectors per Tray

Right angle PCB connectors are popular for many I/O applications. Board locks provide a secure PCB connection and easy soldering every time. Connectors are available in DB9, DB15, DB25, DB37 and HD15 sizes.

| | | | | | |
|--------------|--|-------|-------|-------|------|
| SD9P-RA-PC | Right Angle PCB D-Sub Connector, DB9 Male, Tray of 10 | 12.23 | 11.25 | 10.27 | CALL |
| SD15P-RA-PC | Right Angle PCB D-Sub Connector, DB15 Male, Tray of 10 | 14.40 | 13.25 | 12.10 | CALL |
| SD25P-RA-PC | Right Angle PCB D-Sub Connector, DB25 Male, Tray of 10 | 20.05 | 18.45 | 16.84 | CALL |
| SD37P-RA-PC | Right Angle PCB D-Sub Connector, DB37 Male, Tray of 10 | 27.87 | 25.64 | 23.41 | CALL |
| SDH15P-RA-PC | Right Angle PCB D-Sub Connector, HD15 Male, Tray of 10 | 17.41 | 16.02 | 14.62 | CALL |

| | | | | | |
|--------------|--|-------|-------|-------|------|
| SD9S-RA-PC | Right Angle PCB D-Sub Connector, DB9 Female, Tray of 10 | 12.23 | 11.25 | 10.27 | CALL |
| SD15S-RA-PC | Right Angle PCB D-Sub Connector, DB15 Female, Tray of 10 | 14.40 | 13.25 | 12.10 | CALL |
| SD25S-RA-PC | Right Angle PCB D-Sub Connector, DB25 Female, Tray of 10 | 20.05 | 18.45 | 16.84 | CALL |
| SD37S-RA-PC | Right Angle PCB D-Sub Connector, DB37 Female, Tray of 10 | 27.87 | 25.64 | 23.41 | CALL |
| SDH15S-RA-PC | Right Angle PCB D-Sub Connector, HD15 Female, Tray of 10 | 17.41 | 16.02 | 14.62 | CALL |

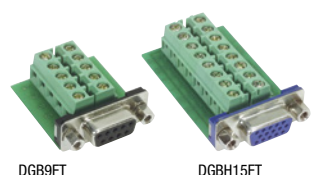
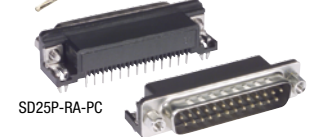
DB9, DB15, DB25 or HD15 Connectors for Field Termination - Panel Mountable

These field termination connectors provide an easy and convenient way to perform field termination of any DB9, DB15, DB25 or HD15 cable. Separate connection points are provided for all positions of the connector plus the ground. Terminal block design with set screws provides reliable electrical connections without special tools. The terminal block area is clearly marked making proper termination virtually foolproof. Panel mountable for thickness up to 0.062" (0.2cm).

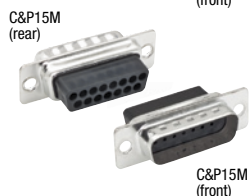
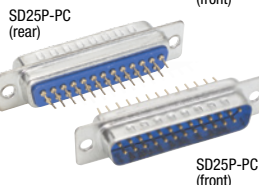
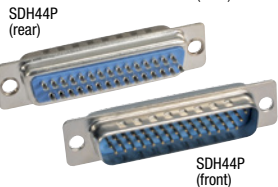
| | | | | | |
|----------|--|-------|-------|-------|------|
| DGB9FT | DB9 Female Connector for Field Termination | 9.01 | 8.47 | 7.93 | CALL |
| DGB15FT | DB15 Female Connector for Field Termination | 10.62 | 9.98 | 9.35 | CALL |
| DGB25FT | DB25 Female Connector for Field Termination | 13.06 | 12.27 | 11.49 | CALL |
| DGBH15FT | SVGA HD15 Female Connector for Field Termination | 11.42 | 10.74 | 10.05 | CALL |

NOTE:

The adapter kits shown on these pages are also available completely wired and optionally provided with internal jumpers and circuit components. Your Sales Representative will be happy to address your needs.



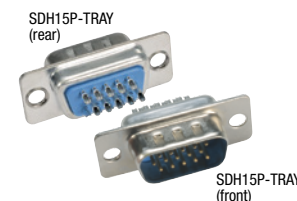
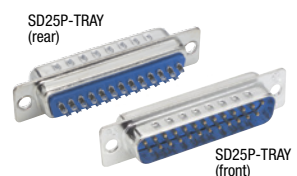
DGBH15FT



No more D-Sub connector gender confusion

Online Video

L-com.com/Videos/A14



| Item # | Description | 1-9 | 10-24 | 25-99 | 100+ |
|--------|-------------|-----|-------|-------|------|
|--------|-------------|-----|-------|-------|------|

D-Sub Connectors - Choose from Solder Cup, Insertion Style or PC Termination Style Individually Packaged

These D-Sub connectors conform to commercial industry standards and will mate with any opposite gender D-Sub connector. Contact plating is gold flash, connector insulator is UL94V-0 rated.

| | | | | | |
|-------|---------------------------------------|------|------|------|------|
| SD9P | Solder Cup D-Sub Connector, DB9 Male | 1.24 | 1.14 | 1.04 | CALL |
| SD15P | Solder Cup D-Sub Connector, DB15 Male | 1.40 | 1.29 | 1.18 | CALL |
| SD25P | Solder Cup D-Sub Connector, DB25 Male | 1.61 | 1.48 | 1.35 | CALL |
| SD37P | Solder Cup D-Sub Connector, DB37 Male | 4.82 | 4.48 | 4.05 | CALL |
| SD50P | Solder Cup D-Sub Connector, DB50 Male | 6.11 | 5.62 | 5.14 | CALL |

| | | | | | |
|-------|---|------|------|------|------|
| SD9S | Solder Cup D-Sub Connector, DB9 Female | 1.30 | 1.19 | 1.09 | CALL |
| SD15S | Solder Cup D-Sub Connector, DB15 Female | 1.45 | 1.33 | 1.22 | CALL |
| SD25S | Solder Cup D-Sub Connector, DB25 Female | 1.71 | 1.57 | 1.44 | CALL |
| SD37S | Solder Cup D-Sub Connector, DB37 Female | 5.08 | 4.67 | 4.26 | CALL |
| SD50S | Solder Cup D-Sub Connector, DB50 Female | 6.42 | 5.91 | 5.40 | CALL |

Solder Cup High-Density D-Subminiature Connectors - Accept up to 22 AWG Wires

| | | | | | |
|--------|---------------------------------------|------|------|------|------|
| SDH15P | Solder Cup D-Sub Connector, HD15 Male | 1.97 | 1.81 | 1.65 | CALL |
| SDH26P | Solder Cup D-Sub Connector, HD26 Male | 3.26 | 3.00 | 2.74 | CALL |
| SDH44P | Solder Cup D-Sub Connector, HD44 Male | 5.65 | 5.20 | 4.74 | CALL |
| SDH62P | Solder Cup D-Sub Connector, HD62 Male | 6.84 | 6.29 | 5.74 | CALL |
| SDH78P | Solder Cup D-Sub Connector, HD78 Male | 8.19 | 7.53 | 6.88 | CALL |

| | | | | | |
|--------|---|------|------|------|------|
| SDH15S | Solder Cup D-Sub Connector, HD15 Female | 2.07 | 1.91 | 1.74 | CALL |
| SDH26S | Solder Cup D-Sub Connector, HD26 Female | 3.47 | 3.19 | 2.92 | CALL |
| SDH44S | Solder Cup D-Sub Connector, HD44 Female | 5.85 | 5.39 | 4.92 | CALL |
| SDH62S | Solder Cup D-Sub Connector, HD62 Female | 7.05 | 6.48 | 5.92 | CALL |
| SDH78S | Solder Cup D-Sub Connector, HD78 Female | 8.50 | 7.82 | 7.14 | CALL |

PC Termination D-Subminiature Connectors - Male and Female Genders

| | | | | | |
|----------|---|------|------|------|------|
| SD9P-PC | PC Termination D-Sub Connector, DB9 Male | 1.76 | 1.62 | 1.48 | CALL |
| SD15P-PC | PC Termination D-Sub Connector, DB15 Male | 2.59 | 2.38 | 2.18 | CALL |
| SD25P-PC | PC Termination D-Sub Connector, DB25 Male | 3.21 | 2.96 | 2.70 | CALL |
| SD37P-PC | PC Termination D-Sub Connector, DB37 Male | 6.17 | 5.67 | 5.18 | CALL |

| | | | | | |
|----------|---|------|------|------|------|
| SD9S-PC | PC Termination D-Sub Connector, DB9 Female | 1.81 | 1.67 | 1.52 | CALL |
| SD15S-PC | PC Termination D-Sub Connector, DB15 Female | 2.64 | 2.43 | 2.22 | CALL |
| SD25S-PC | PC Termination D-Sub Connector, DB25 Female | 3.32 | 3.05 | 2.79 | CALL |
| SD37S-PC | PC Termination D-Sub Connector, DB37 Female | 6.37 | 5.86 | 5.35 | CALL |

Insertion Style D-Sub Connectors Accept Industry Standard Pins and Sockets

| | | | | | |
|--------|---|------|------|------|------|
| C&P9M | Insertion Type D-Sub Connector, DB9 Male | 0.83 | 0.76 | 0.70 | CALL |
| C&P15M | Insertion Type D-Sub Connector, DB15 Male | 0.93 | 0.86 | 0.78 | CALL |
| C&P25M | Insertion Type D-Sub Connector, DB25 Male | 1.09 | 1.00 | 0.91 | CALL |
| C&P37M | Insertion Type D-Sub Connector, DB37 Male | 2.85 | 2.62 | 2.39 | CALL |
| C&P50M | Insertion Type D-Sub Connector, DB50 Male | 4.71 | 4.34 | 3.96 | CALL |

| | | | | | |
|--------|---|------|------|------|------|
| C&P9F | Insertion Type D-Sub Connector, DB9 Female | 0.93 | 0.86 | 0.78 | CALL |
| C&P15F | Insertion Type D-Sub Connector, DB15 Female | 1.09 | 1.00 | 0.91 | CALL |
| C&P25F | Insertion Type D-Sub Connector, DB25 Female | 1.19 | 1.10 | 1.00 | CALL |
| C&P37F | Insertion Type D-Sub Connector, DB37 Female | 3.00 | 2.76 | 2.52 | CALL |
| C&P50F | Insertion Type D-Sub Connector, DB50 Female | 4.82 | 4.43 | 4.05 | CALL |

D-Sub and HD Style Bulk Packaged Connectors - Solder and Crimp Styles

Save time and money with these D-Sub and HD style connector multi packs. Packed in convenient trays, these connectors are ideal for high volume production. Offered in both solder and crimp versions these connectors are perfect for all of your cable termination needs.

| | | | | | |
|------------|---|--------|--------|--------|------|
| SD9P-TRAY | Solder Cup D-Sub Connector, DB9 Male, Tray of 50 | 43.88 | 40.37 | 36.86 | CALL |
| SD15P-TRAY | Solder Cup D-Sub Connector, DB15 Male, Tray of 70 | 69.84 | 64.25 | 58.67 | CALL |
| SD25P-TRAY | Solder Cup D-Sub Connector, DB25 Male, Tray of 50 | 57.87 | 53.24 | 48.61 | CALL |
| SD37P-TRAY | Solder Cup D-Sub Connector, DB37 Male, Tray of 40 | 140.46 | 129.22 | 117.98 | CALL |
| SD50P-TRAY | Solder Cup D-Sub Connector, DB50 Male, Tray of 40 | 178.74 | 164.44 | 150.15 | CALL |

| | | | | | |
|------------|---|--------|--------|--------|------|
| SD9S-TRAY | Solder Cup D-Sub Connector, DB9 Female, Tray of 50 | 45.90 | 42.23 | 38.56 | CALL |
| SD15S-TRAY | Solder Cup D-Sub Connector, DB15 Female, Tray of 70 | 72.64 | 66.83 | 61.02 | CALL |
| SD25S-TRAY | Solder Cup D-Sub Connector, DB25 Female, Tray of 50 | 61.86 | 56.91 | 51.96 | CALL |
| SD37S-TRAY | Solder Cup D-Sub Connector, DB37 Female, Tray of 40 | 148.44 | 136.56 | 124.69 | CALL |
| SD50S-TRAY | Solder Cup D-Sub Connector, DB50 Female, Tray of 40 | 188.33 | 173.26 | 158.20 | CALL |

Solder Cup High-Density D-Subminiature Connectors - Accept up to 22 AWG Wires

| | | | | | |
|-------------|---|--------|--------|--------|------|
| SDH15P-TRAY | Solder Cup D-Sub Connector, HD15 Male, Tray of 50 | 71.81 | 66.06 | 60.32 | CALL |
| SDH26P-TRAY | Solder Cup D-Sub Connector, HD26 Male, Tray of 70 | 167.55 | 154.15 | 140.74 | CALL |

| | | | | | |
|-------------|---|--------|--------|--------|------|
| SDH15S-TRAY | Solder Cup D-Sub Connector, HD15 Female, Tray of 50 | 75.80 | 69.73 | 63.67 | CALL |
| SDH26S-TRAY | Solder Cup D-Sub Connector, HD26 Female, Tray of 70 | 175.95 | 161.87 | 147.80 | CALL |

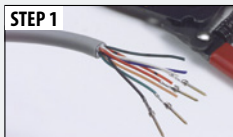
Insertion Style D-Sub Connectors Accept Industry Standard Pins and Sockets

| | | | | | |
|-------------|---|-------|-------|-------|------|
| C&P9M-TRAY | Insertion Type D-Sub Connector, DB9 Male, Tray of 50 | 27.93 | 25.69 | 23.46 | CALL |
| C&P15M-TRAY | Insertion Type D-Sub Connector, DB15 Male, Tray of 50 | 31.91 | 29.36 | 26.81 | CALL |
| C&P25M-TRAY | Insertion Type D-Sub Connector, DB25 Male, Tray of 50 | 35.90 | 33.03 | 30.16 | CALL |
| C&P37M-TRAY | Insertion Type D-Sub Connector, DB37 Male, Tray of 40 | 78.23 | 71.97 | 65.72 | CALL |

| | | | | | |
|-------------|---|-------|-------|-------|------|
| C&P9F-TRAY | Insertion Type D-Sub Connector, DB9 Female, Tray of 50 | 31.91 | 29.36 | 26.81 | CALL |
| C&P15F-TRAY | Insertion Type D-Sub Connector, DB15 Female, Tray of 50 | 35.90 | 33.03 | 30.16 | CALL |
| C&P25F-TRAY | Insertion Type D-Sub Connector, DB25 Female, Tray of 50 | 39.89 | 36.70 | 33.51 | CALL |
| C&P37F-TRAY | Insertion Type D-Sub Connector, DB37 Female, Tray of 40 | 81.39 | 74.88 | 68.37 | CALL |

Tip How to crimp D-Sub contacts using hand tool CP3127CT

STEP 1



Strip the wire to 3/32" (0.2cm). You can use part #HTC2030.



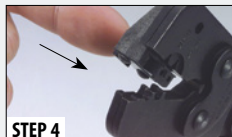
STEP 2

Squeeze tool handles together to release ratchet.



STEP 3

Slide the contact locator down from the top of the tool.



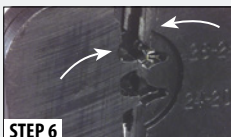
STEP 4

Then from the back, push the contact locator forward between tool crimp jaws.



STEP 5

Orient the contact so open side of wire and insulation barrels are facing up and insert contact into locator.



STEP 6

Slide locator back placing contact between crimping jaws. Then squeeze tool handles together until ratchet engages (listen for clicking sound).



STEP 7

Insert wire over contact and against wire stop. Squeeze tool handles together until ratchet releases.



STEP 8

Slide locator down, push forward and remove crimped contact.

| Item # | Description | 1-9 | 10-24 | 25-99 | 100+ |
|--------|-------------|-----|-------|-------|------|
|--------|-------------|-----|-------|-------|------|

Crimp & Poke Contacts - Choose Pins or Sockets, Flash or 30 Microinches (0.762µm)

| | | | | | |
|------------|---|-------|-------|-------|------|
| CPM10 | Crimp & Poke Male Pins - Gold Flash, Pkg/10 | 2.90 | 2.67 | 2.44 | CALL |
| CPM100 | Crimp & Poke Male Pins - Gold Flash, Reel/100 | 17.41 | 16.02 | 14.62 | CALL |
| CPM10-30U | Crimp & Poke Male Pins - 30µ (0.762µm) Gold, Pkg/10 | 3.78 | 3.48 | 3.18 | CALL |
| CPM100-30U | Crimp & Poke Male Pins - 30µ (0.762µm) Gold, Reel/100 | 22.64 | 20.83 | 19.02 | CALL |

| | | | | | |
|------------|--|-------|-------|-------|------|
| CPF10 | Crimp & Poke Female Sockets - Gold Flash, Pkg/10 | 3.52 | 3.24 | 2.96 | CALL |
| CPF100 | Crimp & Poke Female Sockets - Gold Flash, Reel/100 | 20.93 | 19.26 | 17.58 | CALL |
| CPF10-30U | Crimp & Poke Female Sockets - 30µ (0.762µm) Gold, Pkg/10 | 4.35 | 4.00 | 3.66 | CALL |
| CPF100-30U | Crimp & Poke Female Sockets - 30µ (0.762µm) Gold, Reel/100 | 26.11 | 24.02 | 21.93 | CALL |

Insertion/Extraction Tools for Crimp & Poke Type Contacts - Professional and Economy Versions

Two insertion/extraction tools are available for inserting contacts into D-Subs. Professional model is made for multiple insertions and is built on a larger, more ergonomic tool body. The economy version is also available when limited insertions are necessary.

| | | | | | |
|--------|--|-------|-------|-------|------|
| TDT | Economy Contact Insertion/Extraction Tool | 3.06 | 3.00 | 2.93 | CALL |
| TDTPRO | Professional Contact Insertion/Extraction Tool | 25.85 | 25.34 | 24.82 | CALL |

D-Subminiature Contact Crimp Tool - For Crimp & Poke Series Pins and Sockets

Professional grade tool crimps D-Subminiature pins and sockets for 20-30 AWG wires. Spring loaded holding mechanism centers and holds pin in place until crimping cycle is complete. Highest quality. See the Tip above for crimping instructions.

| | | | | | |
|----------|--------------------------|--------|--------|--------|------|
| CP3127CT | D-Sub Contact Crimp Tool | 136.78 | 134.04 | 131.31 | CALL |
|----------|--------------------------|--------|--------|--------|------|

D-Sub Hood Covers - Offering a Better Selection for Your Varied Cable Making Needs

L-com offers a better selection of D-Sub hoods than ever before. We've discovered in our own cable production that needs are varied because users are more demanding in style selection than traditional plastic or metal hoods. They are supplied as kits with appropriate hardware for male mating. Order hex standoffs separately for female adaptation.

Plastic D-Sub Hoods - Features One Piece Foldover Hinge Design

One piece unshielded hoods are available for DB9, DB15, DB25 and DB50 sizes. They are constructed of Black plastic with long knurled thumbscrews. They feature a side snap lock for connector security and metal screw down strain relief. Attractive appearance.

| | | | | | |
|----------|-----------------------------|------|------|------|------|
| SD121-09 | Hinged Hood Kit, DB9 Black | 1.63 | 1.50 | 1.37 | CALL |
| SD121-15 | Hinged Hood Kit, DB15 Black | 1.74 | 1.60 | 1.46 | CALL |
| SD121-25 | Hinged Hood Kit, DB25 Black | 1.85 | 1.70 | 1.55 | CALL |
| SD121-50 | Hinged Hood Kit, DB50 Black | 2.34 | 2.15 | 1.96 | CALL |

Plastic Hoods - Mate with D-Subminiature Connectors for Cabling

Molded plastic hoods are made of flame retardant materials. The metalized version is chrome plated providing conductivity and an RF/EMI shield. A cable strain relief is also included.

| | | | | | |
|--------|-------------------------------|------|------|------|------|
| SDC9G | Assembled Hood Kit, DB9 Gray | 0.98 | 0.90 | 0.82 | CALL |
| SDC15G | Assembled Hood Kit, DB15 Gray | 1.14 | 1.05 | 0.96 | CALL |
| SDC25G | Assembled Hood Kit, DB25 Gray | 1.20 | 1.10 | 1.01 | CALL |
| SDC37G | Assembled Hood Kit, DB37 Gray | 1.36 | 1.25 | 1.14 | CALL |

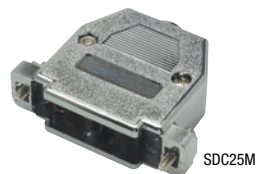
| | | | | | |
|--------|--------------------------------|------|------|------|------|
| SDC9B | Assembled Hood Kit, DB9 Black | 1.03 | 0.95 | 0.87 | CALL |
| SDC15B | Assembled Hood Kit, DB15 Black | 1.20 | 1.10 | 1.01 | CALL |
| SDC25B | Assembled Hood Kit, DB25 Black | 1.25 | 1.15 | 1.05 | CALL |

| | | | | | |
|--------|---|------|------|------|------|
| SDC9M | Assembled Hood Kit, DB9 Metalized Chrome | 1.20 | 1.10 | 1.01 | CALL |
| SDC15M | Assembled Hood Kit, DB15 Metalized Chrome | 1.41 | 1.30 | 1.19 | CALL |
| SDC25M | Assembled Hood Kit, DB25 Metalized Chrome | 1.52 | 1.40 | 1.28 | CALL |

Metalized Plastic D-Sub Hoods - Low Profile and Contemporary Style and Finish

These hoods are offered in three basic sizes, in attractive matte metalized (shielded) finish. Well constructed with metal strain relief bar, two screw closure and long knurled thumbscrews.

| | | | | | |
|-----------|---------------------------------------|------|------|------|------|
| SDRS09HOT | Assembled Hood Kit, DB9 Matte Chrome | 2.18 | 2.00 | 1.83 | CALL |
| SDRS15HOT | Assembled Hood Kit, DB15 Matte Chrome | 2.28 | 2.10 | 1.92 | CALL |
| SDRS25HOT | Assembled Hood Kit, DB25 Matte Chrome | 2.39 | 2.20 | 2.01 | CALL |



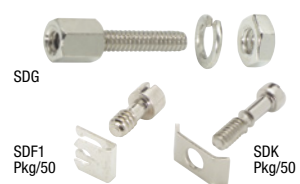
Replacement grommets also sold separately.



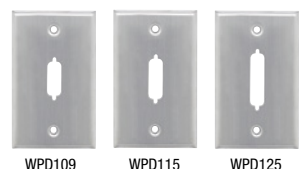
SDC25AG



Replacement grommets also sold separately, GROM Series



SDG

SDF1
Pkg/50SDK
Pkg/50

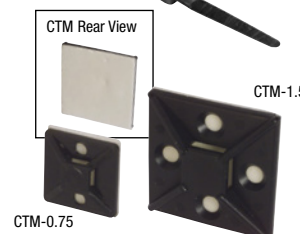
WPD109

WPD115

WPD125

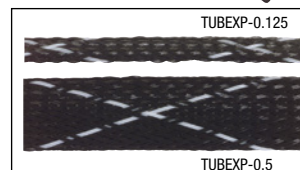


MK02

CTB
Pkg/100

CTM-1.5

CTM-0.75



TUBEXP-0.125

TUBEXP-0.5



SPVFP301-ASST

TAP1181-3/4

| Item # | Description | 1-9 | 10-24 | 25-99 | 100+ |
|--|--------------------------------|------|-------|-------|------|
| D-Sub Metal Hood Kits - Choice of Five Grommets to Satisfy all Size Requirements | | | | | |
| Cast alloy metal construction with a matte nickel plate finish over tin and copper for the best conductivity. Kit includes a set of five grommets and 4-40 thread mounting screws. | | | | | |
| SDC9AG | Assembled Hood Kit, DB9 Metal | 2.93 | 2.75 | 2.58 | CALL |
| SDC15AG | Assembled Hood Kit, DB15 Metal | 4.23 | 3.98 | 3.72 | CALL |
| SDC25AG | Assembled Hood Kit, DB25 Metal | 4.45 | 4.18 | 3.92 | CALL |
| SDC37AG | Assembled Hood Kit, DB37 Metal | 5.86 | 5.51 | 5.16 | CALL |
| SDC50AG | Assembled Hood Kit, DB50 Metal | 6.19 | 5.82 | 5.45 | CALL |

4-40 Thumbscrews for SDC Metal and Plastic D-Sub Hood Kits

Nickel plated steel, knurled, slotted thumbscrews are now available for the entire SDC family of D-Sub hoods.

| | | | | | |
|--------|-----------------------------|------|------|------|------|
| 04X44S | SDC Thumbscrew, 4-40 Thread | 0.50 | 0.46 | 0.42 | CALL |
|--------|-----------------------------|------|------|------|------|

Right Angle D-Sub Metal Hood Kits - Low Profile with Thumbscrews

Right angle hoods offered for applications requiring a 90 degree cable exit. Cast alloy metal construction with a nickel plated finish.

| | | | | | |
|----------|--|------|------|------|------|
| SDRA9AG | Right Angle Assembled Hood Kit, DB9 Metal | 4.78 | 4.49 | 4.20 | CALL |
| SDRA15AG | Right Angle Assembled Hood Kit, DB15 Metal | 4.99 | 4.69 | 4.39 | CALL |
| SDRA25AG | Right Angle Assembled Hood Kit, DB25 Metal | 5.32 | 5.00 | 4.68 | CALL |

Replacement Grommets for SDC and SDRA Metal Backshells

These grommets are the same as supplied with the SDC and SDRA metal backshell kits. Five different sizes are offered per backshell size to best fit cable diameter used.

| | | | | | |
|----------|--|------|------|------|------|
| SDRA9AG | Right Angle Assembled Hood Kit, DB9 Metal | 4.78 | 4.49 | 4.20 | CALL |
| SDRA15AG | Right Angle Assembled Hood Kit, DB15 Metal | 4.99 | 4.69 | 4.39 | CALL |
| SDRA25AG | Right Angle Assembled Hood Kit, DB25 Metal | 5.32 | 5.00 | 4.68 | CALL |

4-40 Hex Jack Screws - Difficult to Find Hardware for Mounting D-Sub Connectors

| | | | | | |
|----------|--|-------|-------|-------|------|
| SDG250 | Jack Screw Kit, .25 inch (0.6cm) Thread, .232 inch (0.6cm) Screwlock, Pkg/50 | 14.97 | 14.07 | 13.18 | CALL |
| SDG300 | Jack Screw Kit, .30 inch (0.8cm) Thread, .232 inch (0.6cm) Screwlock, Pkg/50 | 14.97 | 14.07 | 13.18 | CALL |
| SDG400 | Jack Screw Kit, .40 inch (1.0cm) Thread, .232 inch (0.6cm) Screwlock, Pkg/50 | 14.97 | 14.07 | 13.18 | CALL |
| SDG400S | Jack Screw Kit, .40 inch (1.0cm) Thread, .197 inch (0.5cm) Screwlock, Pkg/50 | 14.97 | 14.07 | 13.18 | CALL |
| SDG400XS | Jack Screw Kit, .40 inch (1.0cm) Thread, .160 inch (0.4cm) Screwlock, Pkg/50 | 15.42 | 14.50 | 13.57 | CALL |
| SDG450XS | Jack Screw Kit, .45 inch (1.1cm) Thread, .160 inch (0.4cm) Screwlock, Pkg/50 | 15.42 | 14.50 | 13.57 | CALL |
| SDG500 | Jack Screw Kit, .50 inch (1.3cm) Thread, .232 inch (0.6cm) Screwlock, Pkg/50 | 14.97 | 14.07 | 13.18 | CALL |

Hex Standoff 4-40 Thread - Needed with Hood Kits to Convert Male to Female

| | | | | | |
|---------|--|-------|------|------|------|
| SDH | Hex Standoffs, .232 inch (0.6cm) Hex, Pkg/50 | 10.51 | 9.88 | 9.25 | CALL |
| SDHS | Hex Standoffs, .195 inch (0.5cm) Hex, Pkg/50 | 10.51 | 9.88 | 9.25 | CALL |
| SDH-160 | Hex Standoffs, .160 inch (0.4cm) Hex, Pkg/50 | 10.21 | 9.59 | 8.98 | CALL |

4-40 Screw and Retainer Pair - For Use on Male D-Sub Connectors with Metal Tabs

| | | | | | |
|------|--|-------|-------|-------|------|
| SDF1 | Screws and Retainers, Chromate, Pkg/50 | 14.30 | 13.44 | 12.58 | CALL |
|------|--|-------|-------|-------|------|

4-40 Screw and Guard - Replacement for Cable Connector Hoods Such as SDC Series

| | | | | | |
|-----|---|------|------|------|------|
| SDK | Screws and Guards, Nickel Plate, Pkg/50 | 6.53 | 6.01 | 5.48 | CALL |
|-----|---|------|------|------|------|

Stainless Wall Plates - Accept a Variety of D-Sub Connectors

Wall plates that accept common D-Sub connectors are found to be useful by many installers.

| | | | | | |
|--------|---|------|------|------|------|
| WPD109 | Stainless Wall Plate, One DB9/HD15 Opening | 3.20 | 3.01 | 2.82 | CALL |
| WPD115 | Stainless Wall Plate, One DB15/HD26 Opening | 3.20 | 3.01 | 2.82 | CALL |
| WPD125 | Stainless Wall Plate, One DB25/HD44 Opening | 3.20 | 3.01 | 2.82 | CALL |

Rotary Cable Strippers - Cut Cable Jackets

These tools offer an economical and consistent cable jacket strip every time. Featuring easy to adjust cutting depth, these tools strip both around the cable perimeter and lengthwise. HT-325 strips cable jackets ranging from 0.125" (0.3cm) to 1.0" (2.5cm). MK02 strips cable jackets ranging from 0.18" (0.5cm) to 1.12" (2.8cm). Choose HT-325 for light duty use and MK02 for heavier duty use.

| | | | | | |
|--------|-------------------------------------|-------|-------|-------|------|
| MK02 | Round Cable Stripper | 37.50 | 36.75 | 36.00 | CALL |
| HT-325 | Economy Round Cable Jacket Stripper | 16.63 | 16.30 | 15.97 | CALL |

Cable Ties and Cable Mounts

Cable ties are handy to secure cable assemblies in different applications. Four different sizes, in packages of 100 pieces each. Color is black. Cable tie mounts allow the user to secure wire and/or cable quickly and easily to a surface. Mounts can be secured with screws or adhesive. Material is UL94V-2 rated nylon, color is black.

| | | | | | |
|----------|--|-------|-------|-------|------|
| CTB-05 | 6 inch (20.3cm) Cable Ties, Pkg/100 | 8.29 | 7.79 | 7.29 | CALL |
| CTB-07 | 8 inch (15.2cm) Cable Ties, Pkg/100 | 9.48 | 8.91 | 8.34 | CALL |
| CTB-09 | 8.5 inch (21.6cm) Cable Ties, Pkg/100 | 10.67 | 10.03 | 9.39 | CALL |
| CTB-12 | 11.5 inch (29.2cm) Cable Ties, Pkg/100 | 11.86 | 11.15 | 10.44 | CALL |
| CTM-0.75 | Black Cable Tie Mount, 0.75" (1.9cm), Pkg/10 | 4.51 | 4.15 | 3.79 | CALL |
| CTM-1.5 | Black Cable Tie Mount, 1.50" (3.8cm), Pkg/10 | 8.65 | 7.96 | 7.27 | CALL |

Expandable Sleeving - Pkg/100ft (30.5m), Polyester Material with VW-1 Flammability Rating

Polyester expandable flexible tubing is ideal for protecting wire and/or cable. The open weave design allows for flexible routing, high resistance to abrasion and broad range of expansion. Available in .125" (0.3cm), .25" (0.6cm) and .5" (1.3cm) diameters, color is black with white tracer.

| | | | | | |
|--------------|--|-------|-------|-------|------|
| TUBEXP-0.125 | Expandable Braid Sleeving, .125" (0.3cm) Diameter, 100ft (30.5m) | 23.26 | 21.40 | 19.54 | CALL |
| TUBEXP-0.25 | Expandable Braid Sleeving, .25" (0.6cm) Diameter, 100ft (30.5m) | 29.22 | 26.88 | 24.55 | CALL |
| TUBEXP-0.5 | Expandable Braid Sleeving, .5" (1.3cm) Diameter, 100ft (30.5m) | 39.95 | 36.75 | 33.55 | CALL |

| Item # | Description | List Price |
|---|---|------------|
| 3M Heat Shrink Tubing Kits | | |
| SPVFP301-BLK | Heat Shrink Kit, Black Colors | 69.42 |
| SPVFP301-ASST | Heat Shrink Kit, Assorted Colors | 69.42 |
| 3M Copper Foil Shielding Tape with Conductive Adhesive | | |
| TAP1181-3/8 | Copper Foil Shielding Tape, 2.6 MIL x 3/8 inch (1.0cm) W x 18 Yards (16.5m) | 18.64 |
| TAP1181-3/4 | Copper Foil Shielding Tape, 2.6 MIL x 3/4 inch (1.9cm) W x 18 Yards (16.5m) | 36.57 |

| Item # | Description | List Price |
|--|---|------------|
| Greenlee Ratchet Kits and Wrench | | |
| Three options are available to use with the punches below. 34941 is a 1 inch hex ratchet wrench only. 7238SB includes the ratchet wrench plus several dies. LS50L11A is a battery operated tool with a 360 degree rotating head capable of punching holes in half the time required for manual ratchets. | | |
| PUNHT-34941 | Ratchet Wrench (Greenlee # 34941) | 69.37 |
| PUNHT-7238SB | Ratchet Wrench & Die Set Kit (Greenlee # 7238SB) | 474.94 |
| PUNHT-LS50L11A | Battery Powered Ratchet Kit (Greenlee # LS50L11A) | 1670.30 |

Greenlee Punches - Punch Holes in Metal Boxes or Panels

Easy to use Greenlee holemaking punches for small to medium sized projects. All kits include punch, die and draw stud. 3 new punch driver options available.

| | | |
|-------------|--|--------|
| PUNDHOLE0.5 | Punch, D-Hole 0.5" Diameter (Greenlee # 60077) | 218.79 |
| PUNDB9 | Punch, DB9/HDB15 Hole (Greenlee # 229) | 538.98 |
| PUNDB15 | Punch, DB15/HDB26 Hole (Greenlee 231) | 538.98 |
| PUNDB25 | Punch, DB25/HDB44 Hole (Greenlee # RS232) | 538.98 |
| PUNDB37 | Punch, DB37/HDB62 Hole (Greenlee # 234) | 581.67 |
| PUNDB50 | Punch, DB50/HDB78 Hole (Greenlee # 238) | 581.67 |

Bulk Multiconductor Data Cable - 24 AWG Stranded Conductors

This is one of the most popular choices for data cable applications. Conductors are 24 AWG 7/32 stranded conductors with PVC insulation. Jacket is also PVC, color is soft gray. Foil shielding with tinned drain wire. Choose from 4, 9, 15 or 25 conductors and 100 foot coils or 500 and 1,000 foot (30.5m, 152.4m & 304.8m) spools. UL and CSA Listed.

| | | |
|-----------|---|--------|
| CS4-100 | 4 Conductor 24 AWG Bulk Cable, 100ft (30.5m) Coil | 27.42 |
| CS4-500 | 4 Conductor 24 AWG Bulk Cable, 500ft (152.4m) Spool | 137.09 |
| CS4-1000 | 4 Conductor 24 AWG Bulk Cable, 1000ft (304.8m) Spool | 274.18 |
| CS9-100 | 9 Conductor 24 AWG Bulk Cable, 100ft (30.5m) Coil | 38.85 |
| CS9-500 | 9 Conductor 24 AWG Bulk Cable, 500ft (152.4m) Spool | 194.21 |
| CS9-1000 | 9 Conductor 24 AWG Bulk Cable, 1000ft (304.8m) Spool | 388.42 |
| CS15-100 | 15 Conductor 24 AWG Bulk Cable, 100ft (30.5m) Coil | 57.13 |
| CS15-500 | 15 Conductor 24 AWG Bulk Cable, 500ft (152.4m) Spool | 285.61 |
| CS15-1000 | 15 Conductor 24 AWG Bulk Cable, 1000ft (304.8m) Spool | 571.21 |
| CS25-100 | 25 Conductor 24 AWG Bulk Cable, 100ft (30.5m) Coil | 91.39 |
| CS25-500 | 25 Conductor 24 AWG Bulk Cable, 500ft (152.4m) Spool | 456.96 |
| CS25-1000 | 25 Conductor 24 AWG Bulk Cable, 1000ft (304.8m) Spool | 913.93 |

Bulk Twisted Pair Data Cable - Double Shielded, 26 AWG Stranded Conductors

Twisted pair bulk cable features difficult to find 26 AWG conductors with foil, drain wire and braid shield as well as a flexible PVC jacket. Choose from 5, 12.5, 19, or 25 pairs in 100, 500 or 1,000 foot (30.5m, 152.4m & 304.8m) spools. Jacket color is light gray.

| | | |
|--------------|--|---------|
| CSTP5-100 | 5 Pair 26 AWG Bulk Cable, 100ft (30.5m) Spool | 64.63 |
| CSTP5-500 | 5 Pair 26 AWG Bulk Cable, 500ft (152.4m) Spool | 323.14 |
| CSTP5-1000 | 5 Pair 26 AWG Bulk Cable, 1000ft (304.8m) Spool | 615.50 |
| CSTP125-100 | 12.5 Pair 26 AWG Bulk Cable, 100ft (30.5m) Spool | 155.59 |
| CSTP125-500 | 12.5 Pair 26 AWG Bulk Cable, 500ft (152.4m) Spool | 777.93 |
| CSTP125-1000 | 12.5 Pair 26 AWG Bulk Cable, 1000ft (304.8m) Spool | 1481.77 |
| CSTP19-100 | 19 Pair 26 AWG Bulk Cable, 100ft (30.5m) Spool | 191.49 |
| CSTP19-500 | 19 Pair 26 AWG Bulk Cable, 500ft (152.4m) Spool | 957.45 |
| CSTP19-1000 | 19 Pair 26 AWG Bulk Cable, 1000ft (304.8m) Spool | 1823.71 |
| CSTP25-100 | 25 Pair 26 AWG Bulk Cable, 100ft (30.5m) Spool | 323.14 |
| CSTP25-500 | 25 Pair 26 AWG Bulk Cable, 500ft (152.4m) Spool | 1615.69 |

Low Smoke Zero Halogen Data Cable - Double Shielded, 24 AWG Stranded Conductors

Low smoke zero halogen cable reduces the amount of toxic and corrosive gasses emitted during combustion. Typically used in poorly ventilated areas, low smoke zero halogen is becoming very popular with military contractors. Cable construction features 24 AWG stranded tinned copper conductors with high density polyethylene insulation, overall aluminum polyester foil shield with tinned copper braid and a 24 AWG drain wire. Cable jacket color is black. Choose from 9, 15, or 25 conductor cable and 100, 500, or 1,000 foot (30.5m, 152.4m & 304.8m) put ups. L-com will manufacture cable assemblies featuring low smoke zero halogen cable with modest minimum requirements.

| | | |
|---------------|--|---------|
| CSLSZH09-100 | 9 Conductor 24 AWG LSZH Bulk Cable, 100ft (30.5m) Coil | 89.56 |
| CSLSZH09-500 | 9 Conductor 24 AWG LSZH Bulk Cable, 500ft (152.4m) Spool | 447.82 |
| CSLSZH09-1000 | 9 Conductor 24 AWG LSZH Bulk Cable, 1000ft (304.8m) Spool | 895.65 |
| CSLSZH15-100 | 15 Conductor 24 AWG LSZH Bulk Cable, 100ft (30.5m) Coil | 153.54 |
| CSLSZH15-500 | 15 Conductor 24 AWG LSZH Bulk Cable, 500ft (152.4m) Spool | 767.70 |
| CSLSZH15-1000 | 15 Conductor 24 AWG LSZH Bulk Cable, 1000ft (304.8m) Spool | 1535.40 |
| CSLSZH25-100 | 25 Conductor 24 AWG LSZH Bulk Cable, 100ft (30.5m) Coil | 191.92 |
| CSLSZH25-500 | 25 Conductor 24 AWG LSZH Bulk Cable, 500ft (152.4m) Spool | 959.62 |
| CSLSZH25-1000 | 25 Conductor 24 AWG LSZH Bulk Cable, 1000ft (304.8m) Spool | 1919.25 |

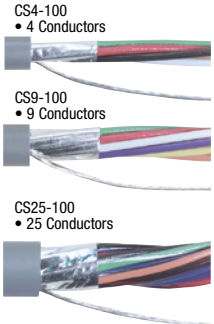
Heavy Duty Double Shielded Multiconductor Data Cable - 20 AWG Conductors, Foil + Braid Shield

Large gauge cable is now available for applications requiring higher current than typical data systems use. Features a dark gray UL2464 listed PVC jacket, aluminum mylar foil shield, tinned copper braid and 20 AWG stranded conductors. Available in 100, 500 or 1,000 foot (30.5m, 152.4m and 304.8m) spools.

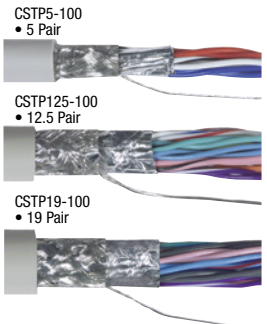
| | | |
|---------------|---|---------|
| CSCPMS09-100 | 9 Conductor 20 AWG Double Shielded Bulk Cable, 100ft (30.5m) Coil | 237.62 |
| CSCPMS09-500 | 9 Conductor 20 AWG Double Shielded Bulk Cable, 500ft (152.4m) Spool | 1127.18 |
| CSCPMS09-1000 | 9 Conductor 20 AWG Double Shielded Bulk Cable, 1000ft (304.8m) Spool | 2132.50 |
| CSCPMS15-100 | 15 Conductor 20 AWG Double Shielded Bulk Cable, 100ft (30.5m) Coil | 365.57 |
| CSCPMS15-500 | 15 Conductor 20 AWG Double Shielded Bulk Cable, 500ft (152.4m) Spool | 1766.93 |
| CSCPMS15-1000 | 15 Conductor 20 AWG Double Shielded Bulk Cable, 1000ft (304.8m) Spool | 3351.07 |
| CSCPMS25-100 | 25 Conductor 20 AWG Double Shielded Bulk Cable, 100ft (30.5m) Coil | 639.75 |
| CSCPMS25-500 | 25 Conductor 20 AWG Double Shielded Bulk Cable, 500ft (152.4m) Spool | 3046.43 |
| CSCPMS25-1000 | 25 Conductor 20 AWG Double Shielded Bulk Cable, 1000ft (304.8m) Spool | 5788.21 |



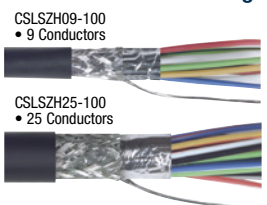
Multiconductor



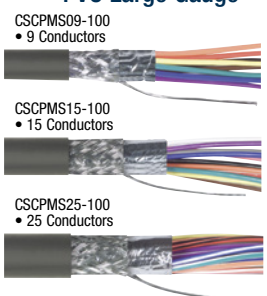
Bulk Twisted Pair



Low Smoke Zero Halogen



PVC Large Gauge



USB Connectors Tutorial

What is USB?

Universal Serial Bus is a high speed connectivity standard enabling simple plug and play connections to devices such as printers, digital cameras, camcorders, keyboards and mice. The standard is supported by many leading suppliers of computers and peripherals. An attractive advantage of USB is that the devices are hot plug-gable meaning a live connection/disconnection without data loss or interruption. Currently there are three relevant revisions of USB, 2.0, 3.0, and 3.1. USB 3.0 is an emerging standard that allows

large amounts of data or video to be transferred up to 10 times faster than USB 2.0. However, USB 2.0 is still much more common in the marketplace and is expected to remain relevant for applications that do not require large amounts of data to be moved. It is important to note that in order to take advantage of the increased bandwidth USB 3.0 provides all components must be 3.0 compliant - host, cables and peripherals. Otherwise the bandwidth will perform to the lowest rated component. USB 3.1 utilizes the

type C connector, which is only backwards compatible through the use of an 3.0 adapter or cable that also uses a type C connector. USB 3.1 cables utilize a type C connector on each end.

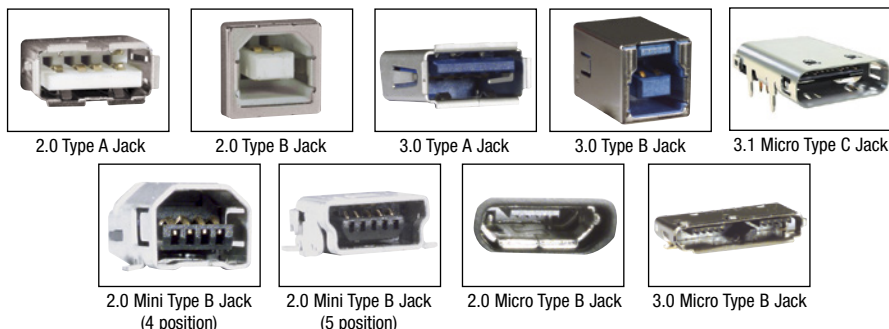
Applications

Initially USB products were used mainly to link computers and their associated peripherals. Today USB is used in nearly every market including communications, entertainment, medical and automotive.

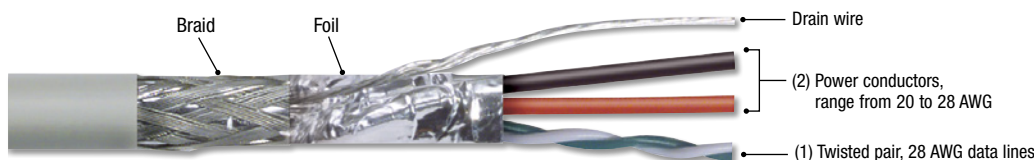
USB Connectors

The USB specification requires a host system to be equipped with an A type jack. The B / mini B type jack is typically found on peripheral devices requiring detachable cables. Therefore, detachable USB cables are configured as an A to B / mini B male combination which prevents improper bus configurations and topology miswiring. USB 3.1 cables work differently. Both sides utilize the type C connector, the cable will work regardless of which way it is plugged in.

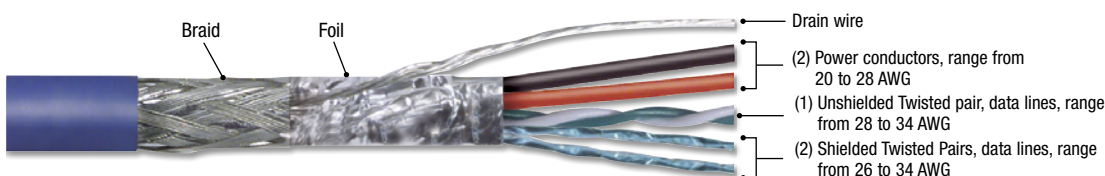
For a complete listing of USB Connectors, see the Connector Chart on the inside back cover of this catalog or online at L-com.com/ConnectorChart



USB 2.0 Cable Construction

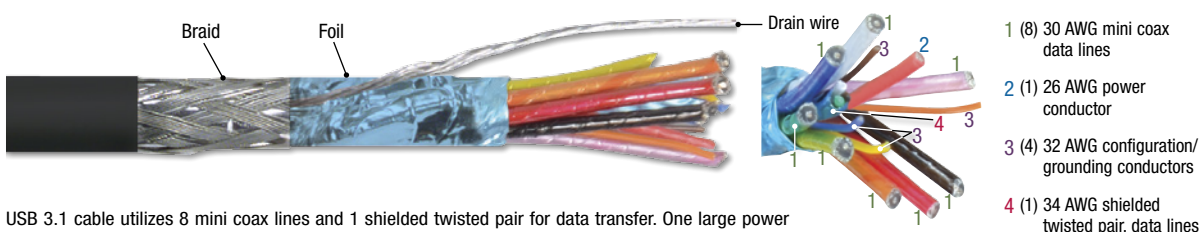


USB 3.0 Cable Construction



USB 3.0 adds two shielded data pairs to the USB 2.0 cable specifications. This addition allows for the faster performance in downloading data or video. Similar concept to changing a 2 lane highway to a 6 lane highway - much more traffic can pass through.

USB 3.1 Cable Construction



USB 3.1 cable utilizes 8 mini coax lines and 1 shielded twisted pair for data transfer. One large power conductor along with smaller ground and configurators complete this more sophisticated, high speed cable. Please note that this is an emerging technology and this specification is subject to change.

| Item # | Description | Color | 1-9 | 10-24 | 25-99 | 100+ |
|---|--|-------|-------|-------|-------|------|
| USB 3.1 Gen 2 Type C Male to Type C Male | | | | | | |
| L-com's USB cables feature simple "plug & play" connections to hand held devices and other situations where a USB 3.1 Gen 2 Type C to USB 3.1 Type C connection is required. Twisted pair data lines help reduce crosstalk and allow for maximum cable flexibility. | | | | | | |
| HKCAU31CC-1M | USB 3.1 Gen 2 Type C male to Type C male | Black | 12.05 | 11.09 | 10.12 | CALL |

USB 3.0 Cable Assemblies

The Type C connector provides a compact, easy to use interface that is quickly spreading across the electronics market. We offer not only the newest Type C to Type C assemblies for cutting edge equipment, but also type C to traditional 3.0 USB connectors.

USB 3.0 Type C to Type C Cable Assemblies

| | | | | | | |
|-------------|-------------------------------|-------|-------|-------|-------|------|
| CAU31CC-03M | USB 3.0 Cable, Type C/C, 0.3m | Black | 19.35 | 18.19 | 17.03 | CALL |
| CAU31CC-05M | USB 3.0 Cable, Type C/C, 0.5m | Black | 19.65 | 18.47 | 17.29 | CALL |
| CAU31CC-1M | USB 3.0 Cable, Type C/C, 1.0m | Black | 20.65 | 19.41 | 18.17 | CALL |
| CAU31CC-2M | USB 3.0 Cable, Type C/C, 2.0m | Black | 22.50 | 21.15 | 19.80 | CALL |
| CAU31CC-3M | USB 3.0 Cable, Type C/C, 3.0m | Black | 24.45 | 22.98 | 21.52 | CALL |
| CAU31CC-5M | USB 3.0 Cable, Type C/C, 5.0m | Black | 28.45 | 26.74 | 25.04 | CALL |

USB 3.0 Type A to Type C Cable Assemblies

| | | | | | | |
|-------------|-------------------------------|-------|-------|-------|-------|------|
| CAU31CA-03M | USB 3.0 Cable, Type A/C, 0.3m | Black | 14.63 | 13.75 | 12.87 | CALL |
| CAU31CA-05M | USB 3.0 Cable, Type A/C, 0.5m | Black | 15.03 | 14.13 | 13.23 | CALL |
| CAU31CA-1M | USB 3.0 Cable, Type A/C, 1.0m | Black | 16.09 | 15.12 | 14.16 | CALL |
| CAU31CA-2M | USB 3.0 Cable, Type A/C, 2.0m | Black | 18.15 | 17.06 | 15.97 | CALL |
| CAU31CA-3M | USB 3.0 Cable, Type A/C, 3.0m | Black | 20.28 | 19.06 | 17.85 | CALL |
| CAU31CA-5M | USB 3.0 Cable, Type A/C, 5.0m | Black | 24.47 | 23.00 | 21.53 | CALL |

USB 3.0 Type C to Type B Cable Assemblies

| | | | | | | |
|-------------|-------------------------------|-------|-------|-------|-------|------|
| CAU31CB-03M | USB 3.0 Cable, Type C/B, 0.3m | Black | 14.63 | 13.75 | 12.87 | CALL |
| CAU31CB-05M | USB 3.0 Cable, Type C/B, 0.5m | Black | 15.03 | 14.13 | 13.23 | CALL |
| CAU31CB-1M | USB 3.0 Cable, Type C/B, 1.0m | Black | 16.09 | 15.12 | 14.16 | CALL |
| CAU31CB-2M | USB 3.0 Cable, Type C/B, 2.0m | Black | 18.15 | 17.06 | 15.97 | CALL |
| CAU31CB-3M | USB 3.0 Cable, Type C/B, 3.0m | Black | 20.28 | 19.06 | 17.85 | CALL |
| CAU31CB-5M | USB 3.0 Cable, Type C/B, 5.0m | Black | 24.47 | 23.00 | 21.53 | CALL |

USB 3.0 Type C to Type Micro B Cable Assemblies

| | | | | | | |
|----------------|-------------------------------------|-------|-------|-------|-------|------|
| CAU31CMICB-03M | USB 3.0 Cable, Type C/Micro B, 0.3m | Black | 14.63 | 13.75 | 12.87 | CALL |
| CAU31CMICB-05M | USB 3.0 Cable, Type C/Micro B, 0.5m | Black | 15.03 | 14.13 | 13.23 | CALL |
| CAU31CMICB-1M | USB 3.0 Cable, Type C/Micro B, 1.0m | Black | 16.09 | 15.12 | 14.16 | CALL |
| CAU31CMICB-2M | USB 3.0 Cable Type C/Micro B, 2.0m | Black | 18.15 | 17.06 | 15.97 | CALL |
| CAU31CMICB-3M | USB 3.0 Cable Type C/Micro B, 3.0m | Black | 20.28 | 19.06 | 17.85 | CALL |
| CAU31CMICB-5M | USB 3.0 Cable Type C/Micro B, 5.0m | Black | 24.47 | 23.00 | 21.53 | CALL |

USB 3.0 Cable Assemblies

USB 3.0 cables are up to 10 times faster than USB 2.0 - 4.8 Gbps versus 480 Mbps. The increased bandwidth substantially reduces the time required for transferring large amounts of data or video. For example, an HD movie that would require 14 minutes to download with USB 2.0 devices and cables would take approximately 70 seconds using USB 3.0 equipment.

USB 3.0 Cables - Type A to Type A Connectors

| | | | | | | |
|-------------|--------------------------------|------|-------|-------|-------|------|
| CAU3AA-03M | USB 3.0 Cable, Type A/A, 0.3m | Blue | 11.40 | 10.49 | 9.57 | CALL |
| CAU3AA-05M | USB 3.0 Cable, Type A/A, 0.5m | Blue | 11.71 | 10.77 | 9.84 | CALL |
| CAU3AA-075M | USB 3.0 Cable, Type A/A, 0.75m | Blue | 12.18 | 11.20 | 10.23 | CALL |
| CAU3AA-1M | USB 3.0 Cable, Type A/A, 1.0m | Blue | 12.54 | 11.53 | 10.53 | CALL |
| CAU3AA-2M | USB 3.0 Cable, Type A/A, 2.0m | Blue | 14.14 | 13.01 | 11.88 | CALL |
| CAU3AA-5M | USB 3.0 Cable, Type A/A, 5.0m | Blue | 19.07 | 17.54 | 16.02 | CALL |

USB 3.0 Cables - Type A to Type B Connectors

| | | | | | | |
|------------|-------------------------------|------|-------|-------|-------|------|
| CAU3AB-03M | USB 3.0 Cable, Type A/B, 0.3m | Blue | 11.92 | 10.96 | 10.01 | CALL |
| CAU3AB-05M | USB 3.0 Cable, Type A/B, 0.5m | Blue | 12.28 | 11.30 | 10.31 | CALL |
| CAU3AB-1M | USB 3.0 Cable, Type A/B, 1.0m | Blue | 13.06 | 12.01 | 10.97 | CALL |
| CAU3AB-3M | USB 3.0 Cable, Type A/B, 3.0m | Blue | 16.32 | 15.01 | 13.71 | CALL |
| CAU3AB-5M | USB 3.0 Cable, Type A/B, 5.0m | Blue | 19.58 | 18.02 | 16.45 | CALL |

USB 3.0 Compliant Cables - Type A to Micro B Connectors

| | | | | | | |
|----------------|--------------------------------------|------|-------|-------|-------|------|
| CAU3AMICB-03M | USB 3.0 Cable, Type A/Micro B, 0.3m | Blue | 13.32 | 12.25 | 11.18 | CALL |
| CAU3AMICB-05M | USB 3.0 Cable, Type A/Micro B, 0.5m | Blue | 13.63 | 12.54 | 11.45 | CALL |
| CAU3AMICB-075M | USB 3.0 Cable, Type A/Micro B, 0.75m | Blue | 14.04 | 12.92 | 11.79 | CALL |
| CAU3AMICB-2M | USB 3.0 Cable, Type A/Micro B, 2.0m | Blue | 16.06 | 14.78 | 13.49 | CALL |
| CAU3AMICB-3M | USB 3.0 Cable, Type A/Micro B, 3.0m | Blue | 17.72 | 16.30 | 14.88 | CALL |
| CAU3AMICB-5M | USB 3.0 Cable, Type A/Micro B, 5.0m | Blue | 20.98 | 19.30 | 17.63 | CALL |

USB 3.0 Compliant Extension Cables - Type A Male to Female Connectors

| | | | | | | |
|-------------|--|------|-------|-------|-------|------|
| CAU3AX-03M | USB 3.0 Extension Cable, Type A Male/Female, 0.3m | Blue | 12.49 | 11.49 | 10.49 | CALL |
| CAU3AX-05M | USB 3.0 Extension Cable, Type A Male/Female, 0.5m | Blue | 12.80 | 11.77 | 10.75 | CALL |
| CAU3AX-075M | USB 3.0 Extension Cable, Type A Male/Female, 0.75m | Blue | 13.26 | 12.20 | 11.14 | CALL |
| CAU3AX-1M | USB 3.0 Extension Cable, Type A Male/Female, 1.0m | Blue | 13.63 | 12.54 | 11.45 | CALL |
| CAU3AX-3M | USB 3.0 Extension Cable, Type A Male/Female, 3.0m | Blue | 16.89 | 15.54 | 14.19 | CALL |

USB 3.0 Cable Assemblies

L-com's USB Type-C Cable Assemblies provide a quick and easy way to connect older peripheral devices to a new computer, or to connect new peripherals that use a USB Type-C connector to an older computer system. Our USB Type-C cable assemblies feature simple "plug & play" connections to hand held devices and other devices that utilize USB Type C ports. Twisted pair data lines help reduce crosstalk and allow for maximum cable flexibility.

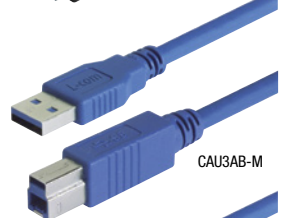
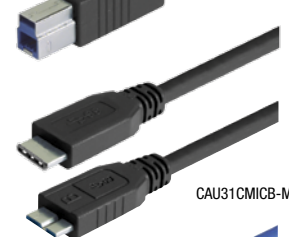
USB 3.0 Type C Male to Type A Female Connectors

| | | | | | | |
|--------------|---|-------|-------|-------|-------|------|
| CAU31CAF-03M | USB 3.0 Cable, Type C Male to Type A Female, 0.3m | Black | 20.15 | 18.94 | 17.73 | CALL |
| CAU31CAF-05M | USB 3.0 Cable, Type C Male to Type A Female, 0.5m | Black | 20.48 | 19.25 | 18.02 | CALL |
| CAU31CAF-1M | USB 3.0 Cable, Type C Male to Type A Female, 1.0m | Black | 21.25 | 19.97 | 18.70 | CALL |
| CAU31CAF-2M | USB 3.0 Cable, Type C Male to Type A Female, 2.0m | Black | 22.50 | 21.15 | 19.80 | CALL |
| CAU31CAF-3F | USB 3.0 Cable, Type C Male to Type A Female, 3.0f | Black | 21.15 | 19.88 | 18.61 | CALL |
| CAU31CAF-3M | USB 3.0 Cable, Type C Male to Type A Female, 3.0m | Black | 23.85 | 22.42 | 20.99 | CALL |

USB 3.0 Type C Female to Type A Male Connectors

| | | | | | | |
|--------------|---|-------|-------|-------|-------|------|
| CAU31CFA-03M | USB 3.0 Cable, Type C Female to Type A Male, 0.3m | Black | 16.65 | 15.65 | 14.65 | CALL |
| CAU31CFA-05M | USB 3.0 Cable, Type C Female to Type A Male, 0.5m | Black | 17.05 | 16.03 | 15.00 | CALL |
| CAU31CFA-1M | USB 3.0 Cable, Type C Female to Type A Male, 1.0m | Black | 17.80 | 16.73 | 15.66 | CALL |
| CAU31CFA-2M | USB 3.0 Cable, Type C Female to Type A Male, 2.0m | Black | 19.20 | 18.05 | 16.90 | CALL |
| CAU31CFA-3F | USB 3.0 Cable, Type C Female to Type A Male, 3.0f | Black | 17.70 | 16.64 | 15.58 | CALL |
| CAU31CFA-3M | USB 3.0 Cable, Type C Female to Type A Male, 3.0m | Black | 20.85 | 19.60 | 18.35 | CALL |

New

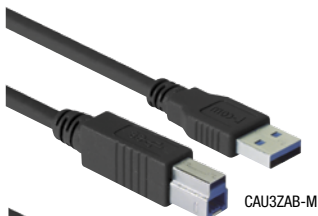


New



New

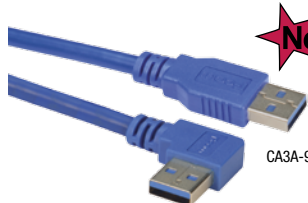




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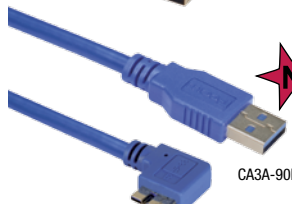
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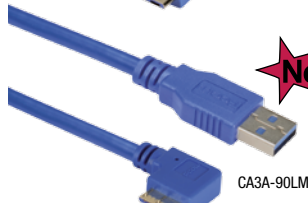
CA3A-90RA-M



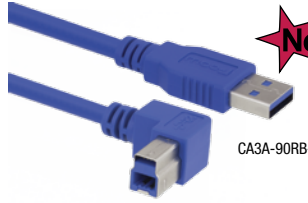
CA3A-90LA-M



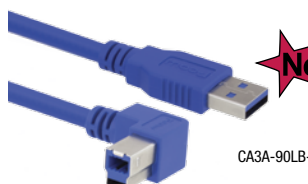
CA3A-90MICB-M



CA3A-90LMICB-M



CA3A-90RB-M



CA3A-90LB-M

| Item # | Description | Color | 1-9 | 10-24 | 25-99 | 100+ |
|--------|-------------|-------|-----|-------|-------|------|
|--------|-------------|-------|-----|-------|-------|------|

USB 3.0 Low Smoke Zero Halogen (LSZH) Cable Assemblies - Type A to A or A to B Connectors

L-com's CAU3ZAB series of USB 3.0 cables feature Low Smoke Zero Halogen cable jackets which reduce the amount of toxic and corrosive gases emitted during combustion.

Low Smoke Zero Halogen (LSZH) USB 3.0 Cables - Type A to A Connectors

| | | | | | | |
|-------------|------------------------------------|-------|-------|-------|-------|------|
| CAU3ZAA-03M | LSZH USB 3.0 Cable, Type A/A, 0.3m | Black | 14.91 | 14.02 | 13.12 | CALL |
| CAU3ZAA-05M | LSZH USB 3.0 Cable, Type A/A, 0.5m | Black | 15.64 | 14.70 | 13.76 | CALL |
| CAU3ZAA-1M | LSZH USB 3.0 Cable, Type A/A, 1.0m | Black | 17.40 | 16.35 | 15.31 | CALL |
| CAU3ZAA-2M | LSZH USB 3.0 Cable, Type A/A, 2.0m | Black | 20.82 | 19.57 | 18.32 | CALL |
| CAU3ZAA-3M | LSZH USB 3.0 Cable, Type A/A, 3.0m | Black | 24.34 | 22.88 | 21.42 | CALL |
| CAU3ZAA-5M | LSZH USB 3.0 Cable, Type A/A, 5.0m | Black | 31.28 | 29.41 | 27.53 | CALL |

Low Smoke Zero Halogen (LSZH) USB 3.0 Cables - Type A to B Connectors

| | | | | | | |
|-------------|------------------------------------|-------|-------|-------|-------|------|
| CAU3ZAB-03M | LSZH USB 3.0 Cable, Type A/B, 0.3m | Black | 15.95 | 14.99 | 14.03 | CALL |
| CAU3ZAB-05M | LSZH USB 3.0 Cable, Type A/B, 0.5m | Black | 16.78 | 15.77 | 14.76 | CALL |
| CAU3ZAB-1M | LSZH USB 3.0 Cable, Type A/B, 1.0m | Black | 18.43 | 17.33 | 16.22 | CALL |
| CAU3ZAB-2M | LSZH USB 3.0 Cable, Type A/B, 2.0m | Black | 21.85 | 20.54 | 19.23 | CALL |
| CAU3ZAB-3M | LSZH USB 3.0 Cable, Type A/B, 3.0m | Black | 25.38 | 23.85 | 22.33 | CALL |
| CAU3ZAB-5M | LSZH USB 3.0 Cable, Type A/B, 5.0m | Black | 32.32 | 30.38 | 28.44 | CALL |

Low Smoke Zero Halogen (LSZH) USB 3.0 Cables - Type A to Micro B Connectors

| | | | | | | |
|----------------|--|-------|-------|-------|-------|------|
| CAU3ZAMICB-03M | LSZH USB 3.0 Cable, Type A/Micro B, 0.3m | Black | 16.57 | 15.57 | 14.58 | CALL |
| CAU3ZAMICB-05M | LSZH USB 3.0 Cable, Type A/Micro B, 0.5m | Black | 17.29 | 16.26 | 15.22 | CALL |
| CAU3ZAMICB-1M | LSZH USB 3.0 Cable, Type A/Micro B, 1.0m | Black | 18.95 | 17.81 | 16.68 | CALL |
| CAU3ZAMICB-2M | LSZH USB 3.0 Cable, Type A/Micro B, 2.0m | Black | 22.48 | 21.13 | 19.78 | CALL |
| CAU3ZAMICB-3M | LSZH USB 3.0 Cable, Type A/Micro B, 3.0m | Black | 25.89 | 24.34 | 22.79 | CALL |
| CAU3ZAMICB-5M | LSZH USB 3.0 Cable, Type A/Micro B, 5.0m | Black | 32.84 | 30.87 | 28.90 | CALL |

USB 3.0 Angled Cable Assemblies

USB 3.0 Type A straight male to right exit A male cable. L-com's Angled USB 3.0 Cable Assemblies are perfect for high speed data transfer in tight spaces. These cables utilize a straight type A connector on one end, and a right exit angled type A connector on the other. Custom lengths available.

USB 3.0 Type A to A Right Angle Cable

| | | | | | | |
|---------------|---|------|-------|-------|-------|------|
| CA3A-90RA-03M | USB 3.0 Type A Male Straight to Right Angle Type A Male, 0.3m | Blue | 16.37 | 15.39 | 14.41 | CALL |
| CA3A-90RA-05M | USB 3.0 Type A Male Straight to Right Angle Type A Male, 0.5m | Blue | 16.89 | 15.88 | 14.86 | CALL |
| CA3A-90RA-1M | USB 3.0 Type A Male Straight to Right Angle Type A Male, 1.0m | Blue | 18.03 | 16.95 | 15.87 | CALL |
| CA3A-90RA-2M | USB 3.0 Type A Male Straight to Right Angle Type A Male, 2.0m | Blue | 20.10 | 18.90 | 17.69 | CALL |
| CA3A-90RA-3M | USB 3.0 Type A Male Straight to Right Angle Type A Male, 3.0m | Blue | 22.12 | 20.80 | 19.47 | CALL |
| CA3A-90RA-5M | USB 3.0 Type A Male Straight to Right Angle Type A Male, 5.0m | Blue | 25.96 | 24.40 | 22.84 | CALL |

USB 3.0 Type A to A Left Angle Cable

| | | | | | | |
|---------------|--|------|-------|-------|-------|------|
| CA3A-90LA-03M | USB 3.0 Type A Male Straight to Left Angle Type A Male, 0.3m | Blue | 16.37 | 15.39 | 14.41 | CALL |
| CA3A-90LA-05M | USB 3.0 Type A Male Straight to Left Angle Type A Male, 0.5m | Blue | 16.89 | 15.88 | 14.86 | CALL |
| CA3A-90LA-1M | USB 3.0 Type A Male Straight to Left Angle Type A Male, 1.0m | Blue | 18.03 | 16.95 | 15.87 | CALL |
| CA3A-90LA-2M | USB 3.0 Type A Male Straight to Left Angle Type A Male, 2.0m | Blue | 20.10 | 18.90 | 17.69 | CALL |
| CA3A-90LA-3M | USB 3.0 Type A Male Straight to Left Angle Type A Male, 3.0m | Blue | 22.12 | 20.80 | 19.47 | CALL |
| CA3A-90LA-5M | USB 3.0 Type A Male Straight to Left Angle Type A Male, 5.0m | Blue | 25.96 | 24.40 | 22.84 | CALL |

USB 3.0 Type A to Micro B Right Angle Cable

| | | | | | | |
|------------------|---|------|-------|-------|-------|------|
| CA3A-90RMICB-03M | USB 3.0 Type A Male Straight to Micro B Right Angle, 0.3m | Blue | 14.50 | 13.63 | 12.76 | CALL |
| CA3A-90RMICB-05M | USB 3.0 Type A Male Straight to Micro B Right Angle, 0.5m | Blue | 14.80 | 13.91 | 13.02 | CALL |
| CA3A-90RMICB-1M | USB 3.0 Type A Male Straight to Micro B Right Angle, 1.0m | Blue | 15.40 | 14.48 | 13.55 | CALL |
| CA3A-90RMICB-2M | USB 3.0 Type A Male Straight to Micro B Right Angle, 2.0m | Blue | 16.60 | 15.60 | 14.61 | CALL |
| CA3A-90RMICB-3M | USB 3.0 Type A Male Straight to Micro B Right Angle, 3.0m | Blue | 17.80 | 16.73 | 15.66 | CALL |
| CA3A-90RMICB-5M | USB 3.0 Type A Male Straight to Micro B Right Angle, 5.0m | Blue | 20.10 | 18.89 | 17.69 | CALL |

USB 3.0 Type A to Micro B Left Angle Cable

| | | | | | | |
|------------------|--|------|-------|-------|-------|------|
| CA3A-90LMICB-03M | USB 3.0 Type A Male Straight to Micro B Left Angle, 0.3m | Blue | 14.50 | 13.63 | 12.76 | CALL |
| CA3A-90LMICB-05M | USB 3.0 Type A Male Straight to Micro B Left Angle, 0.5m | Blue | 14.80 | 13.91 | 13.02 | CALL |
| CA3A-90LMICB-1M | USB 3.0 Type A Male Straight to Micro B Left Angle, 1.0m | Blue | 15.40 | 14.48 | 13.55 | CALL |
| CA3A-90LMICB-2M | USB 3.0 Type A Male Straight to Micro B Left Angle, 2.0m | Blue | 16.60 | 15.60 | 14.61 | CALL |
| CA3A-90LMICB-3M | USB 3.0 Type A Male Straight to Micro B Left Angle, 3.0m | Blue | 17.80 | 16.73 | 15.66 | CALL |
| CA3A-90LMICB-5M | USB 3.0 Type A Male Straight to Micro B Left Angle, 5.0m | Blue | 20.10 | 18.89 | 17.69 | CALL |

USB 3.0 Type A to B Right Angle Cable

| | | | | | | |
|---------------|---|------|-------|-------|-------|------|
| CA3A-90RB-03M | USB 3.0 Type A Male Straight to B Right Angle, 0.3m | Blue | 16.55 | 15.23 | 13.90 | CALL |
| CA3A-90RB-05M | USB 3.0 Type A Male Straight to B Right Angle, 0.5m | Blue | 17.05 | 15.69 | 14.32 | CALL |
| CA3A-90RB-1M | USB 3.0 Type A Male Straight to B Right Angle, 1.0m | Blue | 18.10 | 16.65 | 15.20 | CALL |
| CA3A-90RB-2M | USB 3.0 Type A Male Straight to B Right Angle, 2.0m | Blue | 20.10 | 18.49 | 16.88 | CALL |
| CA3A-90RB-3M | USB 3.0 Type A Male Straight to B Right Angle, 3.0m | Blue | 22.00 | 20.24 | 18.48 | CALL |
| CA3A-90RB-5M | USB 3.0 Type A Male Straight to B Right Angle, 5.0m | Blue | 25.75 | 23.69 | 21.63 | CALL |

USB 3.0 Type A to B Left Angle Cable

| | | | | | | |
|---------------|--|------|-------|-------|-------|------|
| CA3A-90LB-03M | USB 3.0 Type A Male Straight to B Left Angle, 0.3m | Blue | 16.55 | 15.23 | 13.90 | CALL |
| CA3A-90LB-05M | USB 3.0 Type A Male Straight to B Left Angle, 0.5m | Blue | 17.05 | 15.69 | 14.32 | CALL |
| CA3A-90LB-1M | USB 3.0 Type A Male Straight to B Left Angle, 1.0m | Blue | 18.10 | 16.65 | 15.20 | CALL |
| CA3A-90LB-2M | USB 3.0 Type A Male Straight to B Left Angle, 2.0m | Blue | 20.10 | 18.49 | 16.88 | CALL |
| CA3A-90LB-3M | USB 3.0 Type A Male Straight to B Left Angle, 3.0m | Blue | 22.00 | 20.24 | 18.48 | CALL |
| CA3A-90LB-5M | USB 3.0 Type A Male Straight to B Left Angle, 5.0m | Blue | 22.00 | 20.24 | 18.48 | CALL |

| Item # | Description | Color | 1-9 | 10-24 | 25-99 | 100+ |
|--------|-------------|-------|-----|-------|-------|------|
|--------|-------------|-------|-----|-------|-------|------|

USB Cables with Ferrites

Highest quality USB cables allow for transfer rates up to USB 2.0 480 Mbps or USB 3.0 5Gbps. These cables allow for simple "plug & play" connections for devices such as printers, keyboards/mice, digital cameras and other USB peripherals. Twisted pair data lines help reduce crosstalk while 24 AWG power conductors enable maximum power transfer from host to peripheral. The addition of ferrites to the end of the cable helps to suppress any further high frequency noise.

USB 2.0 Cables A/A Male with Ferrites

| | | | | | | |
|--------------|--|-------|------|------|------|------|
| U2A00001-05M | USB 2.0 Type A/A Male with Dual Ferrites, 0.5m | Black | 4.60 | 4.23 | 3.86 | CALL |
| U2A00001-1M | USB 2.0 Type A/A Male with Dual Ferrites, 1.0m | Black | 5.10 | 4.69 | 4.28 | CALL |
| U2A00001-2M | USB 2.0 Type A/A Male with Dual Ferrites, 2.0m | Black | 5.95 | 5.47 | 5.00 | CALL |
| U2A00001-3M | USB 2.0 Type A/A Male with Dual Ferrites, 3.0m | Black | 6.85 | 6.30 | 5.75 | CALL |
| U2A00001-5M | USB 2.0 Type A/A Male with Dual Ferrites, 5.0m | Black | 8.45 | 7.77 | 7.10 | CALL |

USB 2.0 Cables A/B Male with Ferrites

| | | | | | | |
|--------------|--|-------|------|------|------|------|
| U2A00002-05M | USB 2.0 Type A/B Male with Dual Ferrites, 0.5m | Black | 4.80 | 4.42 | 4.03 | CALL |
| U2A00002-1M | USB 2.0 Type A/B Male with Dual Ferrites, 1.0m | Black | 5.25 | 4.83 | 4.41 | CALL |
| U2A00002-2M | USB 2.0 Type A/B Male with Dual Ferrites, 2.0m | Black | 6.10 | 5.61 | 5.12 | CALL |
| U2A00002-3M | USB 2.0 Type A/B Male with Dual Ferrites, 3.0m | Black | 7.00 | 6.44 | 5.88 | CALL |
| U2A00002-5M | USB 2.0 Type A/B Male with Dual Ferrites, 5.0m | Black | 8.60 | 7.91 | 7.22 | CALL |

USB 2.0 Cables A/Micro B Male with Ferrites

| | | | | | | |
|--------------|--|-------|------|------|------|------|
| U2A00003-05M | USB 2.0 Type A/Micro B Male with Dual Ferrites, 0.5m | Black | 5.80 | 5.34 | 4.87 | CALL |
| U2A00003-1M | USB 2.0 Type A/Micro B Male with Dual Ferrites, 1.0m | Black | 6.50 | 5.98 | 5.46 | CALL |
| U2A00003-2M | USB 2.0 Type A/Micro B Male with Dual Ferrites, 2.0m | Black | 7.10 | 6.53 | 5.96 | CALL |
| U2A00003-3M | USB 2.0 Type A/Micro B Male with Dual Ferrites, 3.0m | Black | 8.00 | 7.36 | 6.72 | CALL |
| U2A00003-5M | USB 2.0 Type A/Micro B Male with Dual Ferrites, 5.0m | Black | 9.60 | 8.83 | 8.06 | CALL |

USB 3.0 Cables A/A Male with Ferrites

| | | | | | | |
|--------------|--|------|------|------|------|------|
| U3A00008-05M | USB 3.0 Type A/A Male with Dual Ferrites, 0.5m | Blue | 9.15 | 8.24 | 7.32 | CALL |
| U3A00008-1M | USB 3.0 Type A/A Male with Dual Ferrites, 1.0m | Blue | 9.80 | 9.02 | 8.23 | CALL |

USB 3.0 Cables A/B Male with Ferrites

| | | | | | | |
|---------------|--|------|-------|-------|-------|------|
| U3A00009-05M | USB 3.0 Type A/B Male with Dual Ferrites, 0.5m | Blue | 11.15 | 10.26 | 9.37 | CALL |
| U3A00009-1M | USB 3.0 Type A/B Male with Dual Ferrites, 1.0m | Blue | 11.75 | 10.81 | 9.87 | CALL |
| U3A00009-105M | USB 3.0 Type A/B Male with Dual Ferrites, 1.5m | Blue | 12.30 | 11.32 | 10.33 | CALL |

USB 3.0 Cables A/Micro B Male with Ferrites

| | | | | | | |
|---------------|---|------|-------|------|------|------|
| U3A00010-05M | USB 3.0 Type A/Micro B Male with Dual Ferrites, 0.5m | Blue | 10.15 | 9.34 | 8.53 | CALL |
| U3A00010-075M | USB 3.0 Type A/Micro B Male with Dual Ferrites, 0.75m | Blue | 10.45 | 9.61 | 8.78 | CALL |

USB 3.0 Cables A/C Male with Ferrites

| | | | | | | |
|--------------|--|-------|-------|-------|-------|------|
| U3A00011-05M | USB 3.0 Type A/C Male with Dual Ferrites, 0.5m | Black | 15.80 | 14.85 | 13.90 | CALL |
| U3A00011-1M | USB 3.0 Type A/C Male with Dual Ferrites, 1.0m | Black | 16.30 | 15.32 | 14.34 | CALL |

Type A USB 3.0 Shielded Female Panel Mount to Type A to Male 90 Degree Up and Down Exit Cables

Newly designed USB 3.0 versions of our popular ECF style panel mount USB adapter cables are now available ! This series features a bulkhead Type A 3.0 jack to a molded Type A 3.0 90 degree down plug attached via USB 3.0 compliant cable. Integral to this design is a multi-layered PCB that maintains USB 3.0 speed and performance. USB 3.0 systems are up to 10 times faster than USB 2.0 - 4.8 Gbps versus 480 Mbps. The increased bandwidth substantially reduces the time required for transferring large amounts of data or video. These assemblies are fully shielded and use L-com's popular ECF504 style housing that can be used with virtually any panel thickness. The recommended 4-40 mounting screws must be purchased separately (P/N ECF440).

Type A USB 3.0 Shielded Female Panel Mount to Type A to Male 90 Degree Down Exit Cable

| | | | | | | |
|---------------|---|------|-------|-------|-------|------|
| U3A00034-12I | USB 3.0 A Female Panel Mount to 90 Degree Down A Male, 12" | Blue | 12.45 | 12.20 | 11.70 | CALL |
| U3A00034-24I | USB 3.0 A Female Panel Mount to 90 Degree Down A Male, 24" | Blue | 12.75 | 12.49 | 11.98 | CALL |
| U3A00034-36I | USB 3.0 A Female Panel Mount to 90 Degree Down A Male, 36" | Blue | 13.10 | 12.84 | 12.31 | CALL |
| U3A00034-50I | USB 3.0 A Female Panel Mount to 90 Degree Down A Male, 50" | Blue | 13.65 | 13.38 | 12.83 | CALL |
| U3A00034-72I | USB 3.0 A Female Panel Mount to 90 Degree Down A Male, 72" | Blue | 14.10 | 13.82 | 13.25 | CALL |
| U3A00034-120I | USB 3.0 A Female Panel Mount to 90 Degree Down A Male, 120" | Blue | 16.95 | 16.61 | 15.93 | CALL |

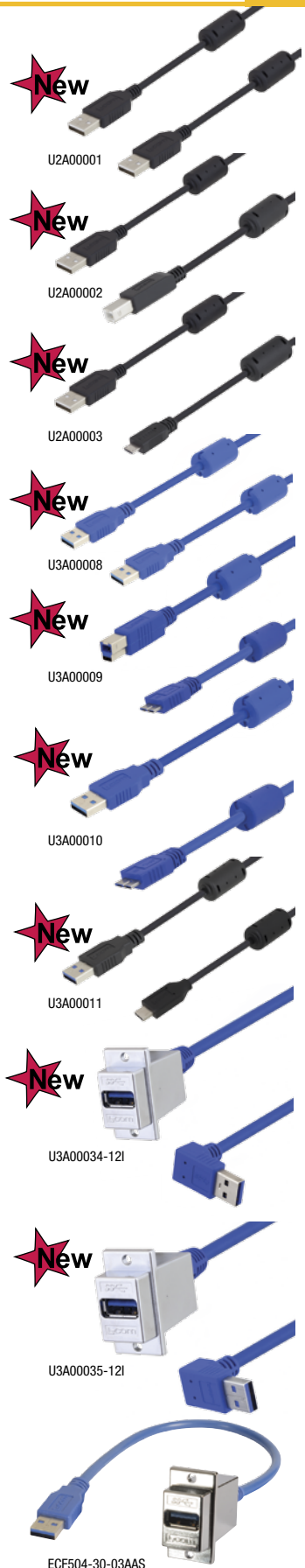
Type A USB 3.0 Shielded Female Panel Mount to Type A to Male 90 Degree Up Exit Cable

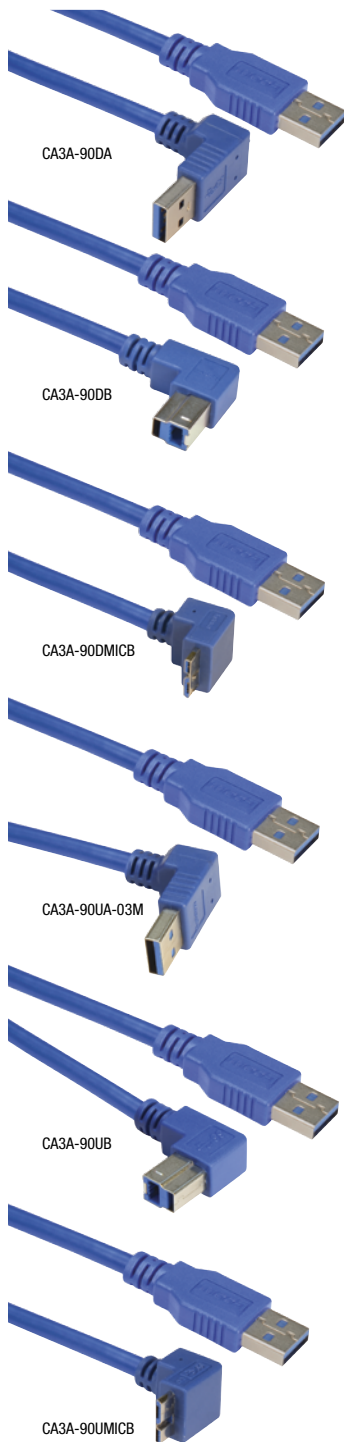
| | | | | | | |
|---------------|---|------|-------|-------|-------|------|
| U3A00035-12I | USB 3.0 A Female Panel Mount to 90 Degree Up A Male, 12" | Blue | 12.45 | 12.20 | 11.70 | CALL |
| U3A00035-24I | USB 3.0 A Female Panel Mount to 90 Degree Up A Male, 24" | Blue | 12.80 | 12.54 | 12.03 | CALL |
| U3A00035-36I | USB 3.0 A Female Panel Mount to 90 Degree Up A Male, 36" | Blue | 13.10 | 12.84 | 12.31 | CALL |
| U3A00035-50I | USB 3.0 A Female Panel Mount to 90 Degree Up A Male, 50" | Blue | 13.65 | 13.38 | 12.83 | CALL |
| U3A00035-72I | USB 3.0 A Female Panel Mount to 90 Degree Up A Male, 72" | Blue | 14.10 | 13.82 | 13.25 | CALL |
| U3A00035-120I | USB 3.0 A Female Panel Mount to 90 Degree Up A Male, 120" | Blue | 16.95 | 16.61 | 15.93 | CALL |

USB 3.0 Type A Female Shielded Panel Mount Coupler to Type A Male Connector, 30µ (0.762µm) Gold

This series features a bulkhead Type A 3.0 jack to a molded Type A 3.0 plug attached via USB 3.0 compliant cable. Integral to this design is a multi-layered PCB that maintains USB 3.0 speed and performance. USB 3.0 systems are up to 10 times faster than USB 2.0 - 4.8 Gbps versus 480 Mbps.

| | | | | | | |
|------------------|--|------|-------|-------|-------|------|
| ECF504-30-03AAS | USB 3.0 Type A Coupler, Female Bulkhead/Type A Male, 0.3m | Blue | 21.75 | 20.88 | 20.01 | CALL |
| ECF504-30-05AAS | USB 3.0 Type A Coupler, Female Bulkhead/Type A Male, 0.5m | Blue | 22.16 | 21.28 | 20.39 | CALL |
| ECF504-30-075AAS | USB 3.0 Type A Coupler, Female Bulkhead/Type A Male, 0.75m | Blue | 22.68 | 21.78 | 20.87 | CALL |
| ECF504-30-1AAS | USB 3.0 Type A Coupler, Female Bulkhead/Type A Male, 1.0m | Blue | 23.20 | 22.27 | 21.34 | CALL |
| ECF440 | Machine Screws, 4-40 x 5/16", Pkg/100 | | 5.18 | 4.77 | 4.35 | CALL |





| Item # | Description | Color | 1-9 | 10-24 | 25-99 | 100+ |
|--------|-------------|-------|-----|-------|-------|------|
|--------|-------------|-------|-----|-------|-------|------|

USB 3.0 Angled Cable Assemblies

These USB cables provide a simple solution for many applications where space is limited. These cable assemblies utilize an up or down angled type A, type B, or type Micro B connector in various lengths off the shelf.

USB 3.0 Type A to Type A 90 Degree Angle, Down Cable Assemblies

| | | | | | | |
|---------------|--|------|-------|-------|-------|------|
| CA3A-90DA-03M | USB Cable, Type A Straight/Type A 90 Degree Angle, Down 0.3m | Blue | 16.50 | 15.18 | 13.86 | CALL |
| CA3A-90DA-05M | USB Cable, Type A Straight/Type A 90 Degree Angle, Down 0.5m | Blue | 16.95 | 15.59 | 14.24 | CALL |
| CA3A-90DA-1M | USB Cable, Type A Straight/Type A 90 Degree Angle, Down 1.0m | Blue | 18.15 | 16.70 | 15.25 | CALL |
| CA3A-90DA-2M | USB Cable, Type A Straight/Type A 90 Degree Angle, Down 2.0m | Blue | 20.48 | 18.84 | 17.20 | CALL |
| CA3A-90DA-3M | USB Cable, Type A Straight/Type A 90 Degree Angle, Down 3.0m | Blue | 22.88 | 21.05 | 19.22 | CALL |
| CA3A-90DA-5M | USB Cable, Type A Straight/Type A 90 Degree Angle, Down 5.0m | Blue | 27.60 | 25.39 | 23.18 | CALL |

USB 3.0 Type A to Type B 90 Degree Angle, Down Cable Assemblies

| | | | | | | |
|---------------|--|------|-------|-------|-------|------|
| CA3A-90DB-03M | USB Cable, Type A Straight/Type B 90 Degree Angle, Down 0.3m | Blue | 17.25 | 15.87 | 14.49 | CALL |
| CA3A-90DB-05M | USB Cable, Type A Straight/Type B 90 Degree Angle, Down 0.5m | Blue | 17.75 | 16.33 | 14.91 | CALL |
| CA3A-90DB-1M | USB Cable, Type A Straight/Type B 90 Degree Angle, Down 1.0m | Blue | 18.90 | 17.39 | 15.88 | CALL |
| CA3A-90DB-2M | USB Cable, Type A Straight/Type B 90 Degree Angle, Down 2.0m | Blue | 21.30 | 19.60 | 17.89 | CALL |
| CA3A-90DB-3M | USB Cable, Type A Straight/Type B 90 Degree Angle, Down 3.0m | Blue | 23.63 | 21.74 | 19.85 | CALL |
| CA3A-90DB-5M | USB Cable, Type A Straight/Type B 90 Degree Angle, Down 5.0m | Blue | 28.35 | 26.08 | 23.81 | CALL |

USB 3.0 Type A to Type Micro B, Down Cable Assemblies

| | | | | | | |
|------------------|--|------|-------|-------|-------|------|
| CA3A-90DMICB-03M | USB Cable, Type A Straight/Type Micro B, Down 0.3m | Blue | 19.28 | 17.74 | 16.20 | CALL |
| CA3A-90DMICB-05M | USB Cable, Type A Straight/Type Micro B, Down 0.5m | Blue | 19.73 | 18.15 | 16.57 | CALL |
| CA3A-90DMICB-1M | USB Cable, Type A Straight/Type Micro B, Down 1.0m | Blue | 20.93 | 19.26 | 17.58 | CALL |
| CA3A-90DMICB-2M | USB Cable, Type A Straight/Type Micro B, Down 2.0m | Blue | 23.25 | 21.39 | 19.53 | CALL |
| CA3A-90DMICB-3M | USB Cable, Type A Straight/Type Micro B, Down 3.0m | Blue | 25.65 | 23.60 | 21.55 | CALL |
| CA3A-90DMICB-5M | USB Cable, Type A Straight/Type Micro B, Down 5.0m | Blue | 30.38 | 27.95 | 25.52 | CALL |

USB 3.0 Type A to Type A 90 Degree Angle, Up Cable Assemblies

| | | | | | | |
|---------------|--|------|-------|-------|-------|------|
| CA3A-90UA-03M | USB Cable, Type A Straight/Type A 90 Degree Angle, Up 0.3m | Blue | 16.50 | 15.18 | 13.86 | CALL |
| CA3A-90UA-05M | USB Cable, Type A Straight/Type A 90 Degree Angle, Up 0.5m | Blue | 16.95 | 15.59 | 14.24 | CALL |
| CA3A-90UA-1M | USB Cable, Type A Straight/Type A 90 Degree Angle, Up 1.0m | Blue | 18.15 | 16.70 | 15.25 | CALL |
| CA3A-90UA-2M | USB Cable, Type A Straight/Type A 90 Degree Angle, Up 2.0m | Blue | 20.48 | 18.84 | 17.20 | CALL |
| CA3A-90UA-3M | USB Cable, Type A Straight/Type A 90 Degree Angle, Up 3.0m | Blue | 22.88 | 21.05 | 19.22 | CALL |
| CA3A-90UA-5M | USB Cable, Type A Straight/Type A 90 Degree Angle, Up 5.0m | Blue | 27.60 | 25.39 | 23.18 | CALL |

USB 3.0 Type A to Type B 90 Degree Angle, Up Cable Assemblies

| | | | | | | |
|---------------|--|------|-------|-------|-------|------|
| CA3A-90UB-03M | USB Cable, Type A Straight/Type B 90 Degree Angle, Up 0.3m | Blue | 17.25 | 15.87 | 14.49 | CALL |
| CA3A-90UB-05M | USB Cable, Type A Straight/Type B 90 Degree Angle, Up 0.5m | Blue | 17.75 | 16.33 | 14.91 | CALL |
| CA3A-90UB-1M | USB Cable, Type A Straight/Type B 90 Degree Angle, Up 1.0m | Blue | 18.90 | 17.39 | 15.88 | CALL |
| CA3A-90UB-2M | USB Cable, Type A Straight/Type B 90 Degree Angle, Up 2.0m | Blue | 21.30 | 19.60 | 17.89 | CALL |
| CA3A-90UB-3M | USB Cable, Type A Straight/Type B 90 Degree Angle, Up 3.0m | Blue | 23.63 | 21.74 | 19.85 | CALL |
| CA3A-90UB-5M | USB Cable, Type A Straight/Type B 90 Degree Angle, Up 5.0m | Blue | 28.35 | 26.08 | 23.81 | CALL |

USB 3.0 Type A to Type Micro B, Up Cable Assemblies

| | | | | | | |
|------------------|--|------|-------|-------|-------|------|
| CA3A-90UMICB-03M | USB Cable, Type A Straight/Type Micro B, Up 0.3m | Blue | 19.28 | 17.74 | 16.20 | CALL |
| CA3A-90UMICB-05M | USB Cable, Type A Straight/Type Micro B, Up 0.5m | Blue | 19.73 | 18.15 | 16.57 | CALL |
| CA3A-90UMICB-1M | USB Cable, Type A Straight/Type Micro B, Up 1.0m | Blue | 20.93 | 19.26 | 17.58 | CALL |
| CA3A-90UMICB-2M | USB Cable, Type A Straight/Type Micro B, Up 2.0m | Blue | 23.25 | 21.39 | 19.53 | CALL |
| CA3A-90UMICB-3M | USB Cable, Type A Straight/Type Micro B, Up 3.0m | Blue | 25.65 | 23.60 | 21.55 | CALL |
| CA3A-90UMICB-5M | USB Cable, Type A Straight/Type Micro B, Up 5.0m | Blue | 30.38 | 27.95 | 25.52 | CALL |

Tip Defining Angled USB 3.0 Cable Assemblies

Angled connector hoods help connect USB cables in tight places. L-com now offers two options each for standard A, B and micro B style connectors. The photos below detail the connector position relative to the cable entry direction.

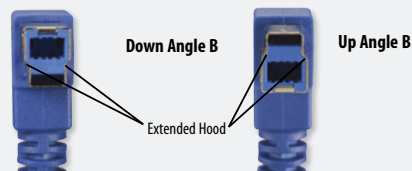
A Style Connectors

For A style connectors, the position of the connector dielectric* is key in determining the correct angle for your application. *Note: The connector dielectric is the plastic material that contains the contacts.



B Style Connectors

For B style connectors, the extended hood of the connector is key in determining the correct angle for your application.



For Micro B connectors, the two latches on the connector are key in determining the correct angle for your application. Reference the location of the latches in the photos below:



Tip What is the difference between a USB Type A or B connector?

Type A jacks are found on the host and on hubs.

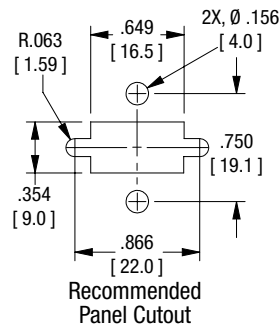
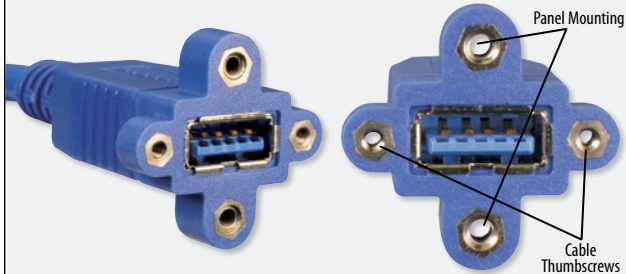
Type B jacks are found on peripherals requiring detachable cables.



Tip *USB 3.0 Machine Vision Panel Mount Cable Assemblies*

L-com now offers a panel mount variation of its Machine Vision cable assemblies. The four imbedded screw slots allow this extension cable to be securely mounted to a panel, while maintaining a secure connection with the side thumbscrews.

For this type A receptacle, the top and bottom holes are used to mount the cable to the panel, while the side holes are used to screw down the mating connector.



| Item # | Description | Color | 1-9 | 10-24 | 25-99 | 100+ |
|--------|-------------|-------|-----|-------|-------|------|
|--------|-------------|-------|-----|-------|-------|------|

USB 3.0 Machine Vision Panel Mount Cable Assemblies

This Machine Vision compliant extension cable provides a secure panel mountable connection that is able to maintain the secure thumbscrew interconnect needed in these systems. By utilizing two mounting holes in addition to the two thumbscrew receptacles, these assemblies ensure that the extension will remain firmly mounted, even if the mating cable is removed and mated frequently.

| | | | | | | |
|----------------|--|------|-------|-------|-------|------|
| UPMVISAA30-03M | USB 3.0 Machine Vision Panel Mount Cable, 0.3m | Blue | 18.90 | 17.77 | 16.63 | CALL |
| UPMVISAA30-05M | USB 3.0 Machine Vision Panel Mount Cable, 0.5m | Blue | 19.50 | 18.33 | 17.16 | CALL |
| UPMVISAA30-1M | USB 3.0 Machine Vision Panel Mount Cable, 1.0m | Blue | 20.65 | 19.41 | 18.17 | CALL |
| UPMVISAA30-2M | USB 3.0 Machine Vision Panel Mount Cable, 2.0m | Blue | 23.25 | 21.86 | 20.46 | CALL |

USB 3.0 Vision Cable Assemblies with Thumbscrews

These cables are manufactured per the USB3 Vision standard. In addition to supporting the machine vision camera market, the screw mount hardware is beneficial in many applications where standard USB connectors can become dislodged due to jostling, vibration, etc. L-com is a member of the AIA (Automated Imaging Association) trade group.

USB 3.0 Cables - Type A with Thumbscrews to Standard Type A

| | | | | | | |
|---------------|--|------|-------|-------|-------|------|
| CAVISU3AA-03M | USB 3.0 Cable, Type A with Thumbscrews/Standard Type A, 0.3m | Blue | 15.65 | 14.71 | 13.77 | CALL |
| CAVISU3AA-05M | USB 3.0 Cable, Type A with Thumbscrews/Standard Type A, 0.5m | Blue | 16.06 | 15.10 | 14.13 | CALL |
| CAVISU3AA-1M | USB 3.0 Cable, Type A with Thumbscrews/Standard Type A, 1.0m | Blue | 17.10 | 16.07 | 15.05 | CALL |
| CAVISU3AA-2M | USB 3.0 Cable, Type A with Thumbscrews/Standard Type A, 2.0m | Blue | 19.17 | 18.02 | 16.87 | CALL |
| CAVISU3AA-3M | USB 3.0 Cable, Type A with Thumbscrews/Standard Type A, 3.0m | Blue | 21.24 | 19.97 | 18.69 | CALL |
| CAVISU3AA-5M | USB 3.0 Cable, Type A with Thumbscrews/Standard Type A, 5.0m | Blue | 25.39 | 23.86 | 22.34 | CALL |

USB 3.0 Cables - Type A with Thumbscrews to Standard Type B

| | | | | | | |
|---------------|--|------|-------|-------|-------|------|
| CAVISU3AB-03M | USB 3.0 Cable, Type A with Thumbscrews/Standard Type B, 0.3m | Blue | 16.68 | 15.68 | 14.68 | CALL |
| CAVISU3AB-05M | USB 3.0 Cable, Type A with Thumbscrews/Standard Type B, 0.5m | Blue | 17.10 | 16.07 | 15.05 | CALL |
| CAVISU3AB-1M | USB 3.0 Cable, Type A with Thumbscrews/Standard Type B, 1.0m | Blue | 18.13 | 17.05 | 15.96 | CALL |
| CAVISU3AB-2M | USB 3.0 Cable, Type A with Thumbscrews/Standard Type B, 2.0m | Blue | 20.21 | 18.99 | 17.78 | CALL |
| CAVISU3AB-3M | USB 3.0 Cable, Type A with Thumbscrews/Standard Type B, 3.0m | Blue | 22.28 | 20.94 | 19.60 | CALL |
| CAVISU3AB-5M | USB 3.0 Cable, Type A with Thumbscrews/Standard Type B, 5.0m | Blue | 26.42 | 24.84 | 23.25 | CALL |

USB 3.0 Cables - Type Micro B with Thumbscrews to Standard Type A

| | | | | | | |
|-----------------|--|------|-------|-------|-------|------|
| CAVUS3AMICB-03M | USB 3.0 Cable, Type Micro B with Thumbscrews/Standard Type A, 0.3m | Blue | 17.72 | 16.66 | 15.59 | CALL |
| CAVUS3AMICB-05M | USB 3.0 Cable, Type Micro B with Thumbscrews/Standard Type A, 0.5m | Blue | 18.13 | 17.05 | 15.96 | CALL |
| CAVUS3AMICB-1M | USB 3.0 Cable, Type Micro B with Thumbscrews/Standard Type A, 1.0m | Blue | 19.17 | 18.02 | 16.87 | CALL |
| CAVUS3AMICB-2M | USB 3.0 Cable, Type Micro B with Thumbscrews/Standard Type A, 2.0m | Blue | 21.24 | 19.97 | 18.69 | CALL |
| CAVUS3AMICB-3M | USB 3.0 Cable, Type Micro B with Thumbscrews/Standard Type A, 3.0m | Blue | 23.31 | 21.92 | 20.52 | CALL |
| CAVUS3AMICB-5M | USB 3.0 Cable, Type Micro B with Thumbscrews/Standard Type A, 5.0m | Blue | 27.46 | 25.81 | 24.16 | CALL |

USB 3.0 Cables - Type A and B with Thumbscrews

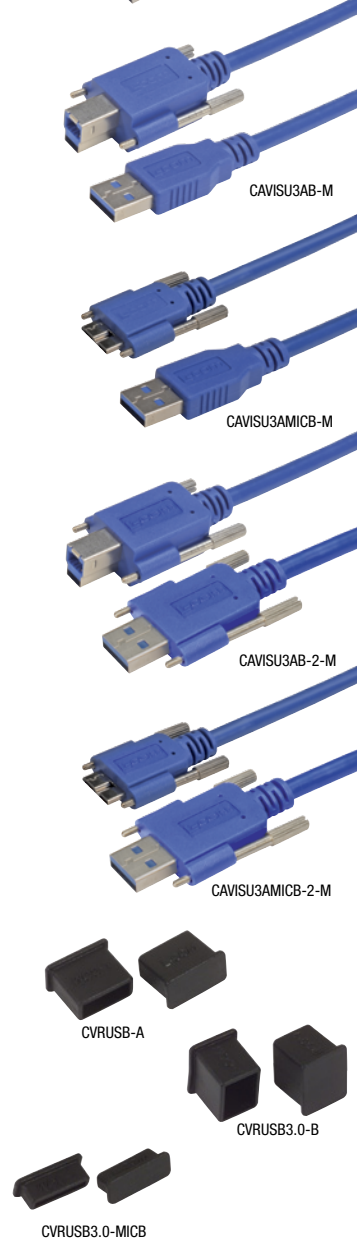
| | | | | | | |
|-----------------|---|------|-------|-------|-------|------|
| CAV15U3AB-2-03M | USB 3.0 Cable, Type A/Type B with Thumbscrews, 0.3m | Blue | 20.83 | 19.58 | 18.33 | CALL |
| CAV15U3AB-2-05M | USB 3.0 Cable, Type A/Type B with Thumbscrews, 0.5m | Blue | 21.24 | 19.97 | 18.69 | CALL |
| CAV15U3AB-2-1M | USB 3.0 Cable, Type A/Type B with Thumbscrews, 1.0m | Blue | 22.28 | 20.94 | 19.60 | CALL |
| CAV15U3AB-2-2M | USB 3.0 Cable, Type A/Type B with Thumbscrews, 2.0m | Blue | 24.35 | 22.89 | 21.43 | CALL |
| CAV15U3AB-3M | USB 3.0 Cable, Type A/Type B with Thumbscrews, 3.0m | Blue | 26.42 | 24.84 | 23.25 | CALL |
| CAV15U3AB-2-5M | USB 3.0 Cable, Type A/Type B with Thumbscrews, 5.0m | Blue | 30.57 | 28.73 | 26.90 | CALL |

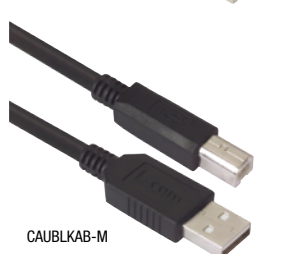
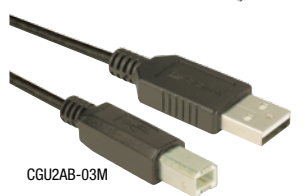
USB 3.0 Cables - Type A and Micro B with Thumbscrews

| | | | | | | |
|--------------------|---|------|-------|-------|-------|------|
| CAV15U3AMICB-2-03M | USB 3.0 Cable, Type A/Type Micro B with Thumbscrews, 0.3m | Blue | 21.86 | 20.55 | 19.24 | CALL |
| CAV15U3AMICB-2-05M | USB 3.0 Cable, Type A/Type Micro B with Thumbscrews, 0.5m | Blue | 22.28 | 20.94 | 19.60 | CALL |
| CAV15U3AMICB-2-1M | USB 3.0 Cable, Type A/Type Micro B with Thumbscrews, 1.0m | Blue | 23.31 | 21.92 | 20.52 | CALL |
| CAV15U3AMICB-2-2M | USB 3.0 Cable, Type A/Type Micro B with Thumbscrews, 2.0m | Blue | 25.39 | 23.86 | 22.34 | CALL |
| CAV15U3AMICB-2-3M | USB 3.0 Cable, Type A/Type Micro B with Thumbscrews, 3.0m | Blue | 27.46 | 25.81 | 24.16 | CALL |
| CAV15U3AMICB-2-5M | USB 3.0 Cable, Type A/Type Micro B with Thumbscrews, 5.0m | Blue | 31.60 | 29.71 | 27.81 | CALL |

USB Protective Covers - Pkg/10

| | | | | | | |
|----------------|---|-------|------|------|------|------|
| CVRUSB-A | USB Protective Cover for USB 2.0 and 3.0 Type A Plugs, Pkg/10 | Black | 6.58 | 6.06 | 5.53 | CALL |
| CVRUSB3.0-B | USB Protective Cover for USB 3.0 Type B Plugs, Pkg/10 | Black | 6.58 | 6.06 | 5.53 | CALL |
| CVRUSB3.0-MICB | USB Protective Cover for USB 3.0 Type Micro B Plugs, Pkg/10 | Black | 6.58 | 6.06 | 5.53 | CALL |



**Best Seller****Best Seller**

| Item # | Description | Color | 1-9 | 10-24 | 25-99 | 100+ |
|---|-----------------------------------|----------|-------|-------|-------|------|
| Premium USB 2.0 Cables - Type A to Type A Con., PVC Jacket, 30µ (0.762µm) Gold, 20 AWG Power Leads | | | | | | |
| Premium USB 2.0 cables contain 20 AWG power wires for maximum power transfer. | | | | | | |
| CSMUAA-03M | Premium USB Cable, Type A/A, 0.3m | Lt. Gray | 8.03 | 7.39 | 6.75 | CALL |
| CSMUAA-05M | Premium USB Cable, Type A/A, 0.5m | Lt. Gray | 8.24 | 7.58 | 6.92 | CALL |
| CSMUAA-1M | Premium USB Cable, Type A/A, 1.0m | Lt. Gray | 8.76 | 8.06 | 7.35 | CALL |
| CSMUAA-2M | Premium USB Cable, Type A/A, 2.0m | Lt. Gray | 9.79 | 9.01 | 8.23 | CALL |
| CSMUAA-4M | Premium USB Cable, Type A/A, 4.0m | Lt. Gray | 12.38 | 11.39 | 10.40 | CALL |
| CSMUAA-5M | Premium USB Cable, Type A/A, 5.0m | Lt. Gray | 12.90 | 11.87 | 10.84 | CALL |

| | | | | | | |
|---|------------------------------------|----------|-------|-------|------|------|
| Premium USB 2.0 Cables - Type A to Type B Con., PVC Jacket, 30µ (0.762µm) Gold, 20 AWG Power Leads | | | | | | |
| CSMUAB-03M | Premium USB Cable, Type A/B, 0.3m | Lt. Gray | 6.99 | 6.43 | 5.88 | CALL |
| CSMUAB-075M | Premium USB Cable, Type A/B, 0.75m | Lt. Gray | 7.46 | 6.86 | 6.27 | CALL |
| CSMUAB-1M | Premium USB Cable, Type A/B, 1.0m | Lt. Gray | 7.72 | 7.10 | 6.48 | CALL |
| CSMUAB-2M | Premium USB Cable, Type A/B, 2.0m | Lt. Gray | 8.76 | 8.06 | 7.35 | CALL |
| CSMUAB-3M | Premium USB Cable, Type A/B, 3.0m | Lt. Gray | 9.79 | 9.01 | 8.23 | CALL |
| CSMUAB-4M | Premium USB Cable, Type A/B, 4.0m | Lt. Gray | 10.83 | 9.96 | 9.10 | CALL |
| CSMUAB-5M | Premium USB Cable, Type A/B, 5.0m | Lt. Gray | 11.86 | 10.92 | 9.97 | CALL |

| | | | | | | |
|--|---|----------|-------|------|------|------|
| Premium USB 2.0 Ext. Cables - Type A Male to Female, PVC Jacket, 30µ (0.762µm) Gold, 20 AWG Power Leads | | | | | | |
| CSMUAX-05M | Premium USB Extension Cable, Type A Male/Female, 0.5m | Lt. Gray | 7.72 | 7.41 | 7.10 | CALL |
| CSMUAX-1M | Premium USB Extension Cable, Type A Male/Female, 1.0m | Lt. Gray | 8.24 | 7.91 | 7.58 | CALL |
| CSMUAX-2M | Premium USB Extension Cable, Type A Male/Female, 2.0m | Lt. Gray | 9.27 | 8.90 | 8.53 | CALL |
| CSMUAX-3M | Premium USB Extension Cable, Type A Male/Female, 3.0m | Lt. Gray | 10.31 | 9.90 | 9.49 | CALL |

Deluxe USB 2.0 Cables - Type A to A or A to B Connectors, 30µ (0.762µm) Gold, 26 AWG Power Leads
 L-com's standard USB cable offering, the ECUSB series, provides high performance at competitive prices. These quality constructed cables feature USB 2.0 Compliant 26 AWG power leads and are finished in an attractive medium gray color.

| | | | | | | |
|-------------|----------------------------------|------|------|------|------|------|
| ECUSBAA-05M | Deluxe USB Cable, Type A/A, 0.5m | Gray | 5.03 | 4.52 | 4.02 | CALL |
| ECUSBAA-1M | Deluxe USB Cable, Type A/A, 1.0m | Gray | 5.44 | 4.90 | 4.35 | CALL |
| ECUSBAA-2M | Deluxe USB Cable, Type A/A, 2.0m | Gray | 6.27 | 5.64 | 5.02 | CALL |
| ECUSBAA-3M | Deluxe USB Cable, Type A/A, 3.0m | Gray | 7.10 | 6.39 | 5.68 | CALL |
| ECUSBAA-4M | Deluxe USB Cable, Type A/A, 4.0m | Gray | 7.93 | 7.13 | 6.34 | CALL |
| ECUSBAA-5M | Deluxe USB Cable, Type A/A, 5.0m | Gray | 8.76 | 7.88 | 7.00 | CALL |

| | | | | | | |
|--------------|-----------------------------------|------|------|------|------|------|
| ECUSBAB-05M | Deluxe USB Cable, Type A/B, 0.5m | Gray | 4.51 | 4.06 | 3.61 | CALL |
| ECUSBAB-075M | Deluxe USB Cable, Type A/B, 0.75m | Gray | 4.71 | 4.24 | 3.77 | CALL |
| ECUSBAB-1M | Deluxe USB Cable, Type A/B, 1.0m | Gray | 4.92 | 4.43 | 3.94 | CALL |
| ECUSBAB-2M | Deluxe USB Cable, Type A/B, 2.0m | Gray | 5.75 | 5.18 | 4.60 | CALL |
| ECUSBAB-3M | Deluxe USB Cable, Type A/B, 3.0m | Gray | 6.58 | 5.92 | 5.26 | CALL |
| ECUSBAB-5M | Deluxe USB Cable, Type A/B, 5.0m | Gray | 8.24 | 7.41 | 6.59 | CALL |

| | | | | | | |
|---|---|------|------|------|------|------|
| Deluxe USB Extension Cables - Type A Male to Female, 30 Microinches Gold, 26 AWG Power Leads | | | | | | |
| ECUSBAX-03M | Deluxe USB Extension Cable, Type A Male/Female, 0.3m | Gray | 4.87 | 4.68 | 4.48 | CALL |
| ECUSBAX-05M | Deluxe USB Extension Cable, Type A Male/Female, 0.5m | Gray | 5.03 | 4.82 | 4.62 | CALL |
| ECUSBAX-075M | Deluxe USB Extension Cable, Type A Male/Female, 0.75m | Gray | 5.23 | 5.02 | 4.81 | CALL |
| ECUSBAX-1M | Deluxe USB Extension Cable, Type A Male/Female, 1.0m | Gray | 5.44 | 5.22 | 5.00 | CALL |
| ECUSBAX-2M | Deluxe USB Extension Cable, Type A Male/Female, 2.0m | Gray | 6.27 | 6.02 | 5.77 | CALL |
| ECUSBAX-3M | Deluxe USB Extension Cable, Type A Male/Female, 3.0m | Gray | 7.10 | 6.81 | 6.53 | CALL |

Economy USB 2.0 Type A to Type B Cable Assemblies
 L-com's Economy USB cables contain 28AWG power conductors and gold flash connectors. These cables are perfect for economically tight projects and competitive bids.

| | | | | | | |
|------------|--|------|------|------|------|------|
| CGU2AB-03M | Economy USB Cable, Type A Male/Type B Male, 0.3m | Gray | 2.60 | 2.39 | 2.18 | CALL |
| CGU2AB-05M | Economy USB Cable, Type A Male/Type B Male, 0.5m | Gray | 2.70 | 2.48 | 2.27 | CALL |
| CGU2AB-1M | Economy USB Cable, Type A Male/Type B Male, 1.0m | Gray | 2.95 | 2.71 | 2.48 | CALL |
| CGU2AB-3M | Economy USB Cable, Type A Male/Type B Male, 3.0m | Gray | 4.05 | 3.73 | 3.40 | CALL |
| CGU2AB-5M | Economy USB Cable, Type A Male/Type B Male, 5.0m | Gray | 5.15 | 4.74 | 4.33 | CALL |

Premium USB 2.0 Cables - Type A to A or A to B Connectors, Clear Jacket and Mold
 These sharp looking cables highlight L-com's high quality standards when "looking under the hood". A metal shielding under the mold and high coverage braid shield can protect your data even in the noisiest electrical environments. These cables use the same design as the popular CSMUAB series featuring 20 AWG power conductors enabling maximum power transfer from host to peripheral.

| | | | | | | |
|---------------|-----------------------------------|-------|-------|-------|-------|------|
| CSMUCLRAA-03M | Premium USB Cable, Type A/A, 0.3m | Clear | 8.13 | 7.48 | 6.83 | CALL |
| CSMUCLRAA-05M | Premium USB Cable, Type A/A, 0.5m | Clear | 8.34 | 7.67 | 7.01 | CALL |
| CSMUCLRAA-1M | Premium USB Cable, Type A/A, 1.0m | Clear | 8.96 | 8.25 | 7.53 | CALL |
| CSMUCLRAA-2M | Premium USB Cable, Type A/A, 2.0m | Clear | 10.21 | 9.39 | 8.57 | CALL |
| CSMUCLRAA-3M | Premium USB Cable, Type A/A, 3.0m | Clear | 11.45 | 10.53 | 9.62 | CALL |
| CSMUCLRAA-5M | Premium USB Cable, Type A/A, 5.0m | Clear | 13.94 | 12.82 | 11.71 | CALL |

| | | | | | | |
|---------------|-----------------------------------|-------|-------|-------|-------|------|
| CSMUCLRAB-03M | Premium USB Cable, Type A/B, 0.3m | Clear | 7.10 | 6.53 | 5.96 | CALL |
| CSMUCLRAB-05M | Premium USB Cable, Type A/B, 0.5m | Clear | 7.31 | 6.72 | 6.14 | CALL |
| CSMUCLRAB-1M | Premium USB Cable, Type A/B, 1.0m | Clear | 7.93 | 7.29 | 6.66 | CALL |
| CSMUCLRAB-2M | Premium USB Cable, Type A/B, 2.0m | Clear | 9.17 | 8.44 | 7.70 | CALL |
| CSMUCLRAB-3M | Premium USB Cable, Type A/B, 3.0m | Clear | 10.41 | 9.58 | 8.75 | CALL |
| CSMUCLRAB-5M | Premium USB Cable, Type A/B, 5.0m | Clear | 12.90 | 11.87 | 10.84 | CALL |

| | | | | | | |
|--|-----------------------------------|-------|-------|------|------|------|
| Premium USB 2.0 Cables - Type A to A or A to B Connectors, 30µ (0.762µm) Gold, 24 AWG Power Leads | | | | | | |
| CAUBLKAA-03M | Premium USB Cable, Type A/A, 0.3m | Black | 5.70 | 5.24 | 4.79 | CALL |
| CAUBLKAA-05M | Premium USB Cable, Type A/A, 0.5m | Black | 5.91 | 5.43 | 4.96 | CALL |
| CAUBLKAA-1M | Premium USB Cable, Type A/A, 1.0m | Black | 6.37 | 5.86 | 5.35 | CALL |
| CAUBLKAA-3M | Premium USB Cable, Type A/A, 3.0m | Black | 8.24 | 7.58 | 6.92 | CALL |
| CAUBLKAA-5M | Premium USB Cable, Type A/A, 5.0m | Black | 10.10 | 9.29 | 8.49 | CALL |

| | | | | | | |
|--------------|-----------------------------------|-------|------|------|------|------|
| CAUBLKAB-03M | Premium USB Cable, Type A/B, 0.3m | Black | 5.18 | 4.77 | 4.35 | CALL |
| CAUBLKAB-05M | Premium USB Cable, Type A/B, 0.5m | Black | 5.39 | 4.96 | 4.53 | CALL |
| CAUBLKAB-1M | Premium USB Cable, Type A/B, 1.0m | Black | 5.85 | 5.39 | 4.92 | CALL |
| CAUBLKAB-3M | Premium USB Cable, Type A/B, 3.0m | Black | 7.72 | 7.10 | 6.48 | CALL |
| CAUBLKAB-5M | Premium USB Cable, Type A/B, 5.0m | Black | 9.58 | 8.82 | 8.05 | CALL |

| Item # | Description | Color | 1-9 | 10-24 | 25-99 | 100+ |
|--------|-------------|-------|-----|-------|-------|------|
|--------|-------------|-------|-----|-------|-------|------|

High Flex USB 2.0 Cables - Type A to A and A to B Connectors

Designed for applications where ordinary USB cables fail, this exclusive ultra flexible cable family is rated for 10,000 flex cycles minimum. Standard USB cable fails at approximately 1,000 bend cycles. The special bulk cable uses a polyurethane jacket plus high strand count data (28 AWG) and power (24 AWG) conductors to achieve the extra durability. Available with type A-A and A-B connector options in lengths from 0.3 to 5 meters.

| | | | | | | |
|-------------|-------------------------------------|-------|-------|-------|-------|------|
| CAUAAHF-03M | High Flex USB Cable, Type A/A, 0.3m | Black | 12.12 | 11.15 | 10.18 | CALL |
| CAUAAHF-1M | High Flex USB Cable, Type A/A, 1.0m | Black | 14.25 | 13.11 | 11.97 | CALL |
| CAUAAHF-2M | High Flex USB Cable, Type A/A, 2.0m | Black | 17.41 | 16.02 | 14.62 | CALL |
| CAUAAHF-3M | High Flex USB Cable, Type A/A, 3.0m | Black | 20.52 | 18.88 | 17.23 | CALL |
| CAUAAHF-5M | High Flex USB Cable, Type A/A, 5.0m | Black | 26.79 | 24.64 | 22.50 | CALL |
| CAUABHF-03M | High Flex USB Cable, Type A/B, 0.3m | Black | 12.12 | 11.15 | 10.18 | CALL |
| CAUABHF-1M | High Flex USB Cable, Type A/B, 1.0m | Black | 14.25 | 13.11 | 11.97 | CALL |
| CAUABHF-2M | High Flex USB Cable, Type A/B, 2.0m | Black | 17.41 | 16.02 | 14.62 | CALL |
| CAUABHF-3M | High Flex USB Cable, Type A/B, 3.0m | Black | 20.52 | 18.88 | 17.23 | CALL |
| CAUABHF-5M | High Flex USB Cable, Type A/B, 5.0m | Black | 26.79 | 24.64 | 22.50 | CALL |

Low Smoke Zero Halogen USB Cable - Type A to A and A to B Connectors, 30 Microinches (0.762µm) Gold

Low Smoke Zero Halogen cable reduces the amount of toxic and corrosive gases emitted during combustion. Typically used in poorly ventilated areas, Low Smoke Zero Halogen is becoming very popular where the protection of people and equipment from toxic and corrosive gases is critical.

| | | | | | | |
|-------------|---------------------------------|-------|-------|-------|-------|------|
| CSUZAA-03M | LSZH USB Cable, Type A/A, 0.3m | Black | 14.09 | 12.96 | 11.84 | CALL |
| CSUZAA-05M | LSZH USB Cable, Type A/A, 0.5m | Black | 14.77 | 13.58 | 12.40 | CALL |
| CSUZAA-075M | LSZH USB Cable, Type A/A, 0.75m | Black | 15.65 | 14.39 | 13.14 | CALL |
| CSUZAA-1M | LSZH USB Cable, Type A/A, 1.0m | Black | 16.48 | 15.16 | 13.84 | CALL |
| CSUZAA-2M | LSZH USB Cable, Type A/A, 2.0m | Black | 19.90 | 18.30 | 16.71 | CALL |
| CSUZAA-5M | LSZH USB Cable, Type A/A, 5.0m | Black | 30.15 | 27.74 | 25.33 | CALL |
| CSUZAB-03M | LSZH USB Cable, Type A/B, 0.3m | Black | 14.09 | 12.96 | 11.84 | CALL |
| CSUZAB-05M | LSZH USB Cable, Type A/B, 0.5m | Black | 14.77 | 13.58 | 12.40 | CALL |
| CSUZAB-075M | LSZH USB Cable, Type A/B, 0.75m | Black | 15.65 | 14.39 | 13.14 | CALL |
| CSUZAB-1M | LSZH USB Cable, Type A/B, 1.0m | Black | 16.48 | 15.16 | 13.84 | CALL |
| CSUZAB-3M | LSZH USB Cable, Type A/B, 3.0m | Black | 23.31 | 21.45 | 19.58 | CALL |
| CSUZAB-5M | LSZH USB Cable, Type A/B, 5.0m | Black | 30.15 | 27.74 | 25.33 | CALL |

USB Cable - Type A to Micro B 5 Position, PVC Jacket, 30 Microinches (0.762µm) Gold

| | | | | | | |
|---------------|--|-------|-------|-------|------|------|
| CSMUAMICB-03M | Premium USB Cable, Type A/Micro B 5 Position, 0.3m | Black | 7.88 | 7.25 | 6.62 | CALL |
| CSMUAMICB-05M | Premium USB Cable, Type A/Micro B 5 Position, 0.5m | Black | 8.13 | 7.48 | 6.83 | CALL |
| CSMUAMICB-1M | Premium USB Cable, Type A/Micro B 5 Position, 1.0m | Black | 8.70 | 8.01 | 7.31 | CALL |
| CSMUAMICB-2M | Premium USB Cable, Type A/Micro B 5 Position, 2.0m | Black | 9.95 | 9.15 | 8.36 | CALL |
| CSMUAMICB-3M | Premium USB Cable, Type A/Micro B 5 Position, 3.0m | Black | 11.19 | 10.30 | 9.40 | CALL |

Premium USB 2.0 Extension Cables - Micro B 5 Position Male to Female

L-com's CSMUMICBX series cables are designed to extend devices such as cell phone chargers or other USB 2.0 Micro B enabled peripherals - no more laying your phone on the floor to charge it because the cord is too short. All 5 connector positions are connected to insure proper functionality in every application. These cables feature foil plus braid shielding to provide maximum protection against EMI/RFI.

| | | | | | | |
|----------------|--|-------|-------|-------|-------|------|
| CSMUMICBX-03M | Premium USB Cable, Micro B 5 Position Male/Female, 0.3m | Black | 8.91 | 8.20 | 7.49 | CALL |
| CSMUMICBX-05M | Premium USB Cable, Micro B 5 Position Male/Female, 0.5m | Black | 9.12 | 8.39 | 7.66 | CALL |
| CSMUMICBX-075M | Premium USB Cable, Micro B 5 Position Male/Female, 0.75m | Black | 9.43 | 8.68 | 7.92 | CALL |
| CSMUMICBX-1M | Premium USB Cable, Micro B 5 Position Male/Female, 1.0m | Black | 9.74 | 8.96 | 8.18 | CALL |
| CSMUMICBX-2M | Premium USB Cable, Micro B 5 Position Male/Female, 2.0m | Black | 10.98 | 10.11 | 9.23 | CALL |
| CSMUMICBX-3M | Premium USB Cable, Micro B 5 Position Male/Female, 3.0m | Black | 12.23 | 11.25 | 10.27 | CALL |

USB Cable - Type A to Mini B 4 Position, PVC Jacket, 30 Microinches (0.762µm) Gold

| | | | | | | |
|--------------|---|-------|-------|-------|-------|------|
| CSMUAMB4-05M | Premium USB Cable, Type A/Mini B 4 Position, 0.5m | Black | 9.01 | 8.29 | 7.57 | CALL |
| CSMUAMB4-1M | Premium USB Cable, Type A/Mini B 4 Position, 1.0m | Black | 9.74 | 8.96 | 8.18 | CALL |
| CSMUAMB4-2M | Premium USB Cable, Type A/Mini B 4 Position, 2.0m | Black | 11.09 | 10.20 | 9.31 | CALL |
| CSMUAMB4-3M | Premium USB Cable, Type A/Mini B 4 Position, 3.0m | Black | 12.49 | 11.49 | 10.49 | CALL |

USB Cable - Type A to Mini B 5 Position, PVC Jacket, 30 Microinches (0.762µm) Gold

| | | | | | | |
|---------------|--|-------|-------|-------|------|------|
| CSMUAMB5-03M | Premium USB Cable, Type A/Mini B 5 Position, 0.3m | Black | 7.88 | 7.25 | 6.62 | CALL |
| CSMUAMB5-075M | Premium USB Cable, Type A/Mini B 5 Position, 0.75m | Black | 8.39 | 7.72 | 7.05 | CALL |
| CSMUAMB5-1M | Premium USB Cable, Type A/Mini B 5 Position, 1.0m | Black | 8.70 | 8.01 | 7.31 | CALL |
| CSMUAMB5-2M | Premium USB Cable, Type A/Mini B 5 Position, 2.0m | Black | 9.95 | 9.15 | 8.36 | CALL |
| CSMUAMB5-3M | Premium USB Cable, Type A/Mini B 5 Position, 3.0m | Black | 11.19 | 10.30 | 9.40 | CALL |

USB Extension Cable - Mini B 5 Position Male to Female

L-com's CSMUMB5X series cables are designed to connect devices such as GPS units and other USB Mini B 5 position peripherals. All 5 mini B positions are connected to insure proper functionality in every application. We offer these Mini B5 extension cables in off the shelf lengths of 0.3, 1, 2, and 3 meters. These cables feature foil plus braid shielding to provide maximum protection against EMI/RFI.

| | | | | | | |
|--------------|--|-------|-------|-------|-------|------|
| CSMUMB5X-03M | Premium USB Extension Cable, Mini B 5 Position Male/Female, 0.3m | Black | 8.96 | 8.25 | 7.53 | CALL |
| CSMUMB5X-1M | Premium USB Extension Cable, Mini B 5 Position Male/Female, 1.0m | Black | 9.90 | 9.10 | 8.31 | CALL |
| CSMUMB5X-2M | Premium USB Extension Cable, Mini B 5 Position Male/Female, 2.0m | Black | 11.19 | 10.30 | 9.40 | CALL |
| CSMUMB5X-3M | Premium USB Extension Cable, Mini B 5 Position Male/Female, 3.0m | Black | 12.49 | 11.49 | 10.49 | CALL |

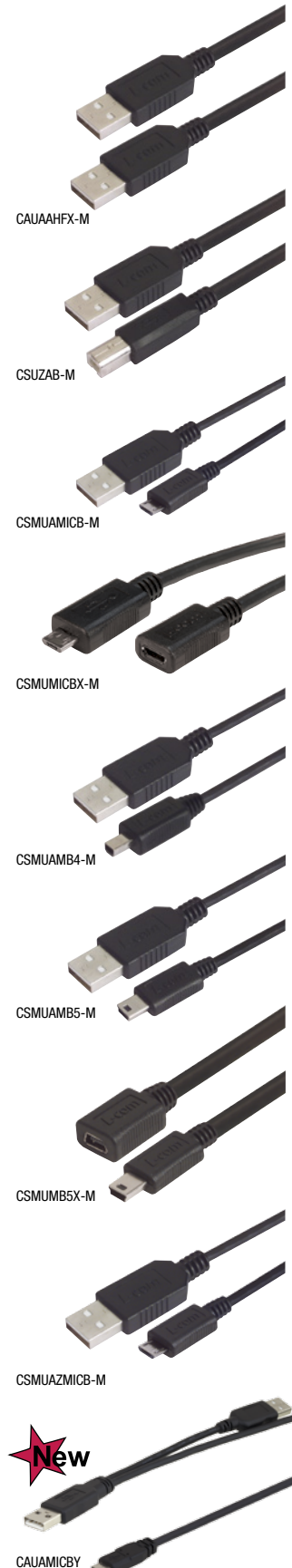
Low Smoke Zero Halogen USB 2.0 Micro B and Mini B5 Cable Assemblies

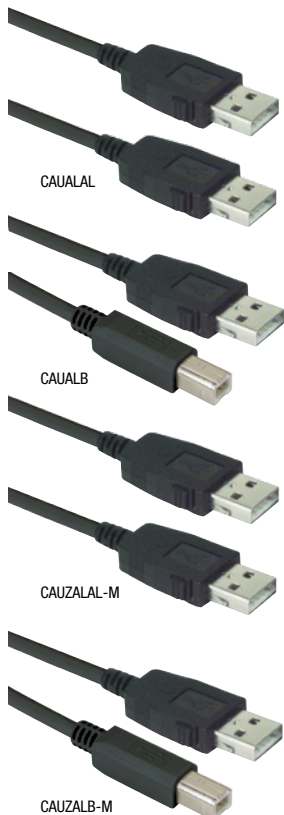
To complement the popular standard size connector line, we are now offering the highly requested LSZH jacket with Micro B and Mini B5 connectors. Utilizing 28 AWG conductors, these cables are available in five off the shelf lengths.

| | | | | | | |
|----------------|--|-------|-------|-------|-------|------|
| CSMUAZMICB-03M | USB Cable, Type A/Micro B 5 Position, 0.3m | Black | 10.55 | 9.71 | 8.86 | CALL |
| CSMUAZMICB-05M | USB Cable, Type A/Micro B 5 Position, 0.5m | Black | 10.90 | 10.03 | 9.16 | CALL |
| CSMUAZMICB-1M | USB Cable, Type A/Micro B 5 Position, 1.0m | Black | 11.80 | 10.86 | 9.91 | CALL |
| CSMUAZMICB-2M | USB Cable, Type A/Micro B 5 Position, 2.0m | Black | 13.60 | 12.51 | 11.42 | CALL |
| CSMUAZMICB-3M | USB Cable, Type A/Micro B 5 Position, 3.0m | Black | 15.40 | 14.17 | 12.94 | CALL |
| CSMUAZMB5-03M | USB Cable, Type A/Mini B 5 Position, 0.3m | Black | 10.55 | 9.71 | 8.86 | CALL |
| CSMUAZMB5-05M | USB Cable, Type A/Mini B 5 Position, 0.5m | Black | 10.90 | 10.03 | 9.16 | CALL |
| CSMUAZMB5-1M | USB Cable, Type A/Mini B 5 Position, 1.0m | Black | 11.80 | 10.86 | 9.91 | CALL |
| CSMUAZMB5-2M | USB Cable, Type A/Mini B 5 Position, 2.0m | Black | 13.60 | 12.51 | 11.42 | CALL |
| CSMUAZMB5-3M | USB Cable, Type A/Mini B 5 Position, 3.0m | Black | 15.40 | 14.17 | 12.94 | CALL |

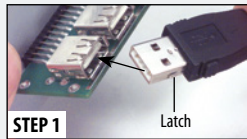
USB 2.0 Type A to Micro B Y Split Cable

| | | | | | | |
|-----------|---|-------|------|------|------|------|
| CAUAMICBY | USB 2.0 Type A to Micro B Y Split Cable | Black | 7.85 | 7.22 | 6.59 | CALL |
|-----------|---|-------|------|------|------|------|

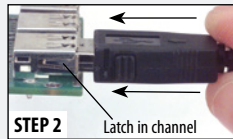




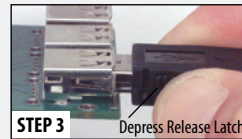
Tip How does the latching USB connector work?



STEP 1 Insert the latching USB connector into the USB jack.



STEP 2 The latches on each side of the connector lock into the channel cut-outs of any USB jack. **Note:** It may be necessary to rock the latching connector slightly to set the latches into the channels.



STEP 3 To remove the latching USB connector, simply depress the release mechanisms on the sides of the backshell and pull apart.

| Item # | Description | Color | 1-9 | 10-24 | 25-99 | 100+ |
|--------|-------------|-------|-----|-------|-------|------|
|--------|-------------|-------|-----|-------|-------|------|

USB Cable Assemblies with Latching Connectors

These unique cable assemblies feature a latching Type A USB plug which provides lock down mating retention with any USB Type A jack. Two styles are available – latching A to latching A and latching A to standard B. Fully shielded and USB 2.0 compliant, this cable contains two 24 AWG power conductors and one 28 AWG pair for the data lines. Please note latching Type B plugs are available as custom products but require a custom Type B jack.

USB 2.0 Cable Assemblies with Latching Type A to Latching Type A Connectors

| | | | | | | |
|--------------|---|-------|-------|-------|-------|------|
| CAUALAL-05M | USB Cable, Latching Type A/Latching Type A, 0.5m | Black | 12.75 | 11.73 | 10.71 | CALL |
| CAUALAL-075M | USB Cable, Latching Type A/Latching Type A, 0.75m | Black | 13.00 | 11.96 | 10.92 | CALL |
| CAUALAL-1M | USB Cable, Latching Type A/Latching Type A, 1.0m | Black | 13.26 | 12.20 | 11.14 | CALL |
| CAUALAL-2M | USB Cable, Latching Type A/Latching Type A, 2.0m | Black | 14.20 | 13.06 | 11.92 | CALL |
| CAUALAL-4M | USB Cable, Latching Type A/Latching Type A, 4.0m | Black | 16.16 | 14.87 | 13.58 | CALL |
| CAUALAL-5M | USB Cable, Latching Type A/Latching Type A, 5.0m | Black | 17.15 | 15.78 | 14.41 | CALL |

USB 2.0 Cable Assemblies with Latching Type A to Latching Type A Connectors

| | | | | | | |
|-------------|---|-------|-------|-------|-------|------|
| CAUALB-03M | USB Cable, Latching Type A/Standard Type B, 0.3m | Black | 10.88 | 10.01 | 9.14 | CALL |
| CAUALB-05M | USB Cable, Latching Type A/Standard Type B, 0.5m | Black | 11.14 | 10.25 | 9.36 | CALL |
| CAUALB-075M | USB Cable, Latching Type A/Standard Type B, 0.75m | Black | 11.40 | 10.49 | 9.57 | CALL |
| CAUALB-1M | USB Cable, Latching Type A/Standard Type B, 1.0m | Black | 11.61 | 10.68 | 9.75 | CALL |
| CAUALB-2M | USB Cable, Latching Type A/Standard Type B, 2.0m | Black | 12.59 | 11.58 | 10.58 | CALL |
| CAUALB-3M | USB Cable, Latching Type A/Standard Type B, 3.0m | Black | 13.57 | 12.49 | 11.40 | CALL |
| CAUALB-5M | USB Cable, Latching Type A/Standard Type B, 5.0m | Black | 15.54 | 14.30 | 13.06 | CALL |

LSZH USB 2.0 Cable Assemblies with Latching Type A to Latching Type A Connectors

These Low Smoke Zero Halogen cable assemblies feature two latching Type A USB plugs which provide lock down mating retention with any USB Type A jack. Fully shielded and USB 2.0 compliant, these cables contain two 24 AWG power conductors and one 28 AWG pair for the data lines.

| | | | | | | |
|--------------|---|-------|-------|-------|-------|------|
| CAUZALAL-03M | LSZH USB Cable, Latching Type A/Latching Type A, 0.3m | Black | 16.15 | 15.19 | 14.22 | CALL |
| CAUZALAL-05M | LSZH USB Cable, Latching Type A/Latching Type A, 0.5m | Black | 16.78 | 15.77 | 14.76 | CALL |
| CAUZALAL-1M | LSZH USB Cable, Latching Type A/Latching Type A, 1.0m | Black | 18.33 | 17.23 | 16.13 | CALL |
| CAUZALAL-3M | LSZH USB Cable, Latching Type A/Latching Type A, 3.0m | Black | 24.34 | 22.88 | 21.42 | CALL |
| CAUZALAL-4M | LSZH USB Cable, Latching Type A/Latching Type A, 4.0m | Black | 27.24 | 25.61 | 23.97 | CALL |
| CAUZALAL-5M | LSZH USB Cable, Latching Type A/Latching Type A, 5.0m | Black | 30.25 | 28.43 | 26.62 | CALL |

LSZH USB 2.0 Cable Assemblies with Latching Type A to Standard Type B Connectors

| | | | | | | |
|--------------|--|-------|-------|-------|-------|------|
| CAUZALB-05M | LSZH USB Cable, Latching Type A/Standard Type B, 0.5m | Black | 15.01 | 14.11 | 13.21 | CALL |
| CAUZALB-075M | LSZH USB Cable, Latching Type A/Standard Type B, 0.75m | Black | 15.84 | 14.89 | 13.94 | CALL |
| CAUZALB-1M | LSZH USB Cable, Latching Type A/Standard Type B, 1.0m | Black | 16.47 | 15.48 | 14.49 | CALL |
| CAUZALB-2M | LSZH USB Cable, Latching Type A/Standard Type B, 2.0m | Black | 19.47 | 18.30 | 17.13 | CALL |
| CAUZALB-3M | LSZH USB Cable, Latching Type A/Standard Type B, 3.0m | Black | 22.48 | 21.13 | 19.78 | CALL |
| CAUZALB-5M | LSZH USB Cable, Latching Type A/Standard Type B, 5.0m | Black | 28.49 | 26.78 | 25.07 | CALL |

Mountable USB Extension Cable - Type A Male to Type A Female Connectors, 30 Microinches Gold

Tired of trying to connect your USB cable to the hard to access port on the back of your PC? Try this convenient cable and make this problem go away. Featuring a USB Type A plug for the PC connection and a unique USB Type A jack, the user can mount this jack to any surface with either screws or double sided foam tape (both are provided). Fully shielded and USB 2.0 compliant, this cable contains two 20 AWG power conductors plus one 28 AWG twisted pair for the data lines and rugged molded backshells. Cable length is 2 meters (6.6 feet).

| | | | | | | |
|-------------|---|----------|-------|-------|-------|------|
| CSMUAXMT-2M | Premium USB Type A Male/Female Mounting Extension Cable, 2.0m | Lt. Gray | 11.97 | 11.01 | 10.05 | CALL |
|-------------|---|----------|-------|-------|-------|------|

USB 3.0 High Flex Cable Assemblies

Designed for applications where ordinary USB 3.0 cables fail, this exclusive ultra flexible cable family is rated for 10,000 flex cycles minimum. Standard USB cable fails at approximately 1,000 bend cycles. The special bulk cable uses a polyurethane jacket plus high strand count data (30 AWG) and power (24 AWG) conductors to achieve the extra durability. Available with type A-Micro B in lengths ranging from 0.3 to 0.75 meters.

USB 3.0 High Flex Type A Male to Type A Male

| | | | | | | |
|---------------|--|-------|------|------|------|------|
| U3A00007-03M | High Flex USB Cable Type A/A Male, 0.3m | Black | 7.05 | 6.49 | 5.92 | CALL |
| U3A00007-05M | High Flex USB Cable Type A/A Male, 0.5m | Black | 7.25 | 6.67 | 6.09 | CALL |
| U3A00007-075M | High Flex USB Cable Type A/A Male, 0.75m | Black | 7.50 | 6.90 | 6.30 | CALL |
| U3A00007-1M | High Flex USB Cable Type A/A Male, 1.0m | Black | 7.90 | 7.27 | 6.64 | CALL |
| U3A00007-105M | High Flex USB Cable Type A/A Male, 1.5m | Black | 8.35 | 7.68 | 7.01 | CALL |

USB 3.0 High Flex Type A Male to Type B Male

| | | | | | | |
|---------------|--|-------|-------|------|------|------|
| U3A00013-03M | High Flex USB Cable Type A/B Male, 0.3m | Black | 8.50 | 7.82 | 7.14 | CALL |
| U3A00013-05M | High Flex USB Cable Type A/B Male, 0.5m | Black | 8.75 | 8.05 | 7.35 | CALL |
| U3A00013-075M | High Flex USB Cable Type A/B Male, 0.75m | Black | 9.05 | 8.33 | 7.60 | CALL |
| U3A00013-1M | High Flex USB Cable Type A/B Male, 1.0m | Black | 9.45 | 8.69 | 7.94 | CALL |
| U3A00013-105M | High Flex USB Cable Type A/B Male, 1.5m | Black | 10.00 | 9.20 | 8.40 | CALL |

USB 3.0 High Flex Type A Male to Type Micro B Male

| | | | | | | |
|---------------|--|-------|-------|------|------|------|
| U3A00014-03M | High Flex USB Cable Type A/Micro B Male, 0.3m | Black | 9.55 | 8.79 | 8.02 | CALL |
| U3A00014-05M | High Flex USB Cable Type A/Micro B Male, 0.5m | Black | 9.85 | 9.06 | 8.27 | CALL |
| U3A00014-075M | High Flex USB Cable Type A/Micro B Male, 0.75m | Black | 10.30 | 9.48 | 8.65 | CALL |

| Item # | Description | Color | 1-9 | 10-24 | 25-99 | 100+ |
|--------|-------------|-------|-----|-------|-------|------|
|--------|-------------|-------|-----|-------|-------|------|

Metal Armored USB Cables - Type A to A and A to B Connectors, Revision 2.0 Compliant

These unique cables feature a stainless steel crush resistant jacket over our premium USB 2.0 cable to provide protection in applications where standard cables would be damaged due to excessive force. Crush resistance is 1500 PSI (pounds per square inch). The 20 AWG USB power wires allow for maximum power transfer.

| | | | | | | |
|---------------|---|-------|-------|-------|-------|------|
| CSMUAA-MT-03M | Metal Armored USB Cable, Type A/A, 0.3m | Black | 18.03 | 16.95 | 15.87 | CALL |
| CSMUAA-MT-05M | Metal Armored USB Cable, Type A/A, 0.5m | Black | 19.33 | 18.17 | 17.01 | CALL |
| CSMUAA-MT-1M | Metal Armored USB Cable, Type A/A, 1.0m | Black | 22.59 | 21.23 | 19.88 | CALL |
| CSMUAA-MT-2M | Metal Armored USB Cable, Type A/A, 2.0m | Black | 29.12 | 27.37 | 25.62 | CALL |
| CSMUAA-MT-3M | Metal Armored USB Cable, Type A/A, 3.0m | Black | 35.65 | 33.51 | 31.37 | CALL |
| CSMUAA-MT-4M | Metal Armored USB Cable, Type A/A, 4.0m | Black | 42.17 | 39.64 | 37.11 | CALL |
| CSMUAA-MT-5M | Metal Armored USB Cable, Type A/A, 5.0m | Black | 48.70 | 45.78 | 42.86 | CALL |
| CSMUAB-MT-03M | Metal Armored USB Cable, Type A/B, 0.3m | Black | 18.03 | 16.95 | 15.87 | CALL |
| CSMUAB-MT-05M | Metal Armored USB Cable, Type A/B, 0.5m | Black | 19.33 | 18.17 | 17.01 | CALL |
| CSMUAB-MT-1M | Metal Armored USB Cable, Type A/B, 1.0m | Black | 22.59 | 21.23 | 19.88 | CALL |
| CSMUAB-MT-2M | Metal Armored USB Cable, Type A/B, 2.0m | Black | 29.12 | 27.37 | 25.62 | CALL |
| CSMUAB-MT-3M | Metal Armored USB Cable, Type A/B, 3.0m | Black | 35.65 | 33.51 | 31.37 | CALL |
| CSMUAB-MT-4M | Metal Armored USB Cable, Type A/B, 4.0m | Black | 42.17 | 39.64 | 37.11 | CALL |
| CSMUAB-MT-5M | Metal Armored USB Cable, Type A/B, 5.0m | Black | 48.70 | 45.78 | 42.86 | CALL |

Plastic Armored USB Cables - Type A to A and A to B Connectors, Revision 2.0 Compliant

These unique cables feature an external PVC crush resistant jacket over our premium USB 2.0 cable to provide protection in applications where standard cables would be damaged due to excessive force. Crush resistance is 800 PSI (Pounds per Square Inch). The 20 AWG USB power wires allow for maximum power transfer.

| | | | | | | |
|---------------|---|-------|-------|-------|-------|------|
| CSMUAA-PL-03M | Plastic Armored USB Cable, Type A/A, 0.3m | Black | 14.14 | 13.58 | 13.01 | CALL |
| CSMUAA-PL-05M | Plastic Armored USB Cable, Type A/A, 0.5m | Black | 14.77 | 14.18 | 13.58 | CALL |
| CSMUAA-PL-1M | Plastic Armored USB Cable, Type A/A, 1.0m | Black | 16.32 | 15.67 | 15.01 | CALL |
| CSMUAA-PL-2M | Plastic Armored USB Cable, Type A/A, 2.0m | Black | 19.43 | 18.65 | 17.87 | CALL |
| CSMUAA-PL-3M | Plastic Armored USB Cable, Type A/A, 3.0m | Black | 22.54 | 21.64 | 20.73 | CALL |
| CSMUAA-PL-4M | Plastic Armored USB Cable, Type A/A, 4.0m | Black | 25.65 | 24.62 | 23.59 | CALL |
| CSMUAA-PL-5M | Plastic Armored USB Cable, Type A/A, 5.0m | Black | 28.75 | 27.60 | 26.45 | CALL |
| CSMUAB-PL-03M | Plastic Armored USB Cable, Type A/B, 0.3m | Black | 14.14 | 13.58 | 13.01 | CALL |
| CSMUAB-PL-05M | Plastic Armored USB Cable, Type A/B, 0.5m | Black | 14.77 | 14.18 | 13.58 | CALL |
| CSMUAB-PL-1M | Plastic Armored USB Cable, Type A/B, 1.0m | Black | 16.32 | 15.67 | 15.01 | CALL |
| CSMUAB-PL-2M | Plastic Armored USB Cable, Type A/B, 2.0m | Black | 19.43 | 18.65 | 17.87 | CALL |
| CSMUAB-PL-3M | Plastic Armored USB Cable, Type A/B, 3.0m | Black | 22.54 | 21.64 | 20.73 | CALL |
| CSMUAB-PL-4M | Plastic Armored USB Cable, Type A/B, 4.0m | Black | 25.65 | 24.62 | 23.59 | CALL |
| CSMUAB-PL-5M | Plastic Armored USB Cable, Type A/B, 5.0m | Black | 28.75 | 27.60 | 26.45 | CALL |

USB 3.0 Metal Armored Cable Assemblies

These unique cables feature a stainless steel crush resistant jacket over our premium USB 3.0 cable to provide protection in applications where standard cables would be damaged due to excessive force. Crush resistance is 1500 PSI (Pounds per Square Inch). The 24 AWG USB power wires allow for maximum power transfer.

USB 3.0 A to A Metal Armored

| | | | | | | |
|---------------|---|-------|-------|-------|-------|------|
| U3A00001-03M | Metal Armored USB Cable Type A/A Male, 0.3m | Black | 14.05 | 13.21 | 12.36 | CALL |
| U3A00001-05M | Metal Armored USB Cable Type A/A Male, 0.5m | Black | 15.05 | 14.15 | 13.24 | CALL |
| U3A00001-1M | Metal Armored USB Cable Type A/A Male, 1.0m | Black | 17.09 | 16.06 | 15.04 | CALL |
| U3A00001-105M | Metal Armored USB Cable Type A/A Male, 1.5m | Black | 20.50 | 19.27 | 18.04 | CALL |

USB 3.0 A to B Metal Armored

| | | | | | | |
|---------------|---|-------|-------|-------|-------|------|
| U3A00002-03M | Metal Armored USB Cable Type A/B Male, 0.3m | Black | 14.50 | 13.63 | 12.76 | CALL |
| U3A00002-05M | Metal Armored USB Cable Type A/B Male, 0.5m | Black | 15.50 | 14.57 | 13.64 | CALL |
| U3A00002-1M | Metal Armored USB Cable Type A/B Male, 1.0m | Black | 18.30 | 17.20 | 16.10 | CALL |
| U3A00002-105M | Metal Armored USB Cable Type A/B Male, 1.5m | Black | 20.90 | 19.65 | 18.39 | CALL |

USB 3.0 Plastic Armored Cable Assemblies

These unique cables feature an external PVC crush resistant jacket over our premium USB 3.0 cable to provide protection in applications where standard cables would be damaged due to excessive force. Crush resistance is 800 PSI (Pounds per Square Inch). The 24 AWG USB power wires allow for maximum power transfer.

USB 3.0 A to A Plastic Armored

| | | | | | | |
|---------------|---|-------|-------|-------|-------|------|
| U3A00003-03M | Plastic Armored USB Cable Type A/A Male, 0.3m | Black | 11.30 | 10.85 | 10.40 | CALL |
| U3A00003-05M | Plastic Armored USB Cable Type A/A Male, 0.5m | Black | 11.70 | 11.23 | 10.76 | CALL |
| U3A00003-1M | Plastic Armored USB Cable Type A/A Male, 1.0m | Black | 12.65 | 12.14 | 11.64 | CALL |
| U3A00003-105M | Plastic Armored USB Cable Type A/A Male, 1.5m | Black | 13.70 | 13.15 | 12.60 | CALL |

USB 3.0 A to B Plastic Armored

| | | | | | | |
|---------------|---|-------|-------|-------|-------|------|
| U3A00004-03M | Plastic Armored USB Cable Type A/B Male, 0.3m | Black | 11.30 | 10.85 | 10.40 | CALL |
| U3A00004-05M | Plastic Armored USB Cable Type A/B Male, 0.5m | Black | 11.70 | 11.23 | 10.76 | CALL |
| U3A00004-1M | Plastic Armored USB Cable Type A/B Male, 1.0m | Black | 12.70 | 12.19 | 11.68 | CALL |
| U3A00004-105M | Plastic Armored USB Cable Type A/B Male, 1.5m | Black | 13.70 | 13.15 | 12.60 | CALL |



CSMUAB-MT-M



CSMUAA-MT-M



CSMUAB-PL-M



U3A00001-M



U3A00002-M



U3A00003-M



U3A00004-M

Tip USB armored cables

Metal Coupling Nut

Heavy duty construction ensures that the crush resistant jacket remains in place

Crush Resistant Metal Jacket
Up to 1500 PSI (pounds per square inch)

Crush Resistant Plastic Jacket
Up to 800 PSI (pounds per square inch)



Uses our Premium bulk cable including PVC cable jacket and 20 AWG power leads under the armor.

116

More lengths available.
Go to L-com.com

CA90LA-90LB

CAA-90UB

CA90DA-90DB

CAA-90DB

CA90RA-90RB

CA9011A-9011B

Angled USB 2.0 Cable Assemblies - Choice of 24 Options, all Lengths and Styles at L-com.com

Molded, angled connector hoods solve difficult connection issues in tight places. Four mold options each for standard A and B style connectors are available. These high quality constructed cables feature USB 2.0 compliant 26 AWG power leads and are finished in an attractive gray color. Custom configuration options are available with modest minimum requirements, please contact your customer service representative for a quote.

All families are available in lengths of 0.3, 0.5, 0.75, 1, 2, 3, 4, and 5 meters:

Please use the grid below to determine which family of cables best fits your application

| | A UP | A DOWN | A LEFT | A RIGHT | A STRAIGHT |
|------------|-------------|-------------|-------------|-------------|------------|
| B UP | CA90UA-90UB | CA90DA-90UB | CA90LA-UB | CA90RA-UB | CAA-90UB |
| B DOWN | CA90UA-90DB | CA90DA-90DB | CA90LA-DB | CA90RA-DB | CAA-90DB |
| B LEFT | CA90UA-90LB | CA90DA-90LB | CA90LA-90LB | CA90RA-LB | CAA-90LB |
| B RIGHT | CA90UA-90RB | CA90DA-90RB | CA90LA-RB | CA90RA-90RB | CAA-90RB |
| B STRAIGHT | CA90UA-B | CA90DA-B | CA90LA-B | CA90RA-B | X |

Here are some examples, please go to L-com.com for complete product offering and pricing.

| Item # | Description | 1-9 | 10-24 | 25-99 | 100+ |
|--|---|-------|-------|-------|------|
| Deluxe USB 2.0 Cable Assemblies - Left Angle Type A to Down Angle Type B, 30 Microinches (0.762µm) Gold | | | | | |
| CA90LA-DB-03M | USB Cable, Left Angle Type A Male/Down Angle Type B Male, 0.3m | 6.94 | 6.39 | 5.83 | CALL |
| CA90LA-DB-075M | USB Cable, Left Angle Type A Male/Down Angle Type B Male, 0.75m | 7.31 | 6.72 | 6.14 | CALL |
| CA90LA-DB-1M | USB Cable, Left Angle Type A Male/Down Angle Type B Male, 1.0m | 7.51 | 6.91 | 6.31 | CALL |
| CA90LA-DB-2M | USB Cable, Left Angle Type A Male/Down Angle Type B Male, 2.0m | 8.34 | 7.67 | 7.01 | CALL |
| CA90LA-DB-5M | USB Cable, Left Angle Type A Male/Down Angle Type B Male, 5.0m | 10.83 | 9.96 | 9.10 | CALL |

Deluxe USB 2.0 Cable Assemblies - Down Angle Type A to Left Angle Type B, 30 Microinches (0.762µm) Gold

| | | | | | |
|------------------|---|-------|------|------|------|
| CA90DA-90LB-03M | USB Cable, Down Angle Type A Male/Left Angle Type B Male, 0.3m | 6.94 | 6.39 | 5.83 | CALL |
| CA90DA-90LB-075M | USB Cable, Down Angle Type A Male/Left Angle Type B Male, 0.75m | 7.31 | 6.72 | 6.14 | CALL |
| CA90DA-90LB-1M | USB Cable, Down Angle Type A Male/Left Angle Type B Male, 1.0m | 7.51 | 6.91 | 6.31 | CALL |
| CA90DA-90LB-2M | USB Cable, Down Angle Type A Male/Left Angle Type B Male, 2.0m | 8.34 | 7.67 | 7.01 | CALL |
| CA90DA-90LB-5M | USB Cable, Down Angle Type A Male/Left Angle Type B Male, 5.0m | 10.83 | 9.96 | 9.10 | CALL |

Deluxe USB 2.0 Cable Assemblies - Standard Type A to Down Angle Type B, 30 Microinches (0.762µm) Gold

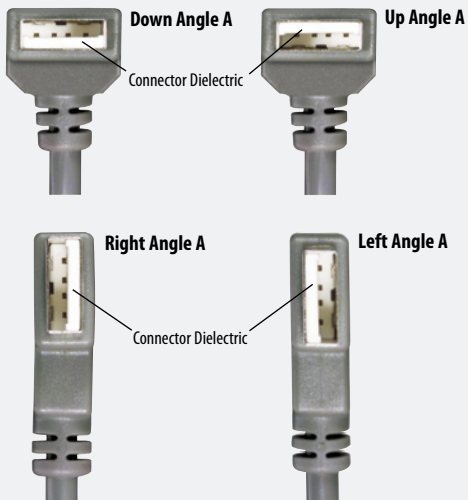
| | | | | | |
|---------------|---|-------|------|------|------|
| CAA-90DB-03M | USB Cable, Standard Type A Male/Down Angle Type B Male, 0.3m | 6.42 | 5.91 | 5.40 | CALL |
| CAA-90DB-075M | USB Cable, Standard Type A Male/Down Angle Type B Male, 0.75m | 6.79 | 6.24 | 5.70 | CALL |
| CAA-90DB-1M | USB Cable, Standard Type A Male/Down Angle Type B Male, 1.0m | 6.99 | 6.43 | 5.88 | CALL |
| CAA-90DB-2M | USB Cable, Standard Type A Male/Down Angle Type B Male, 2.0m | 7.82 | 7.20 | 6.57 | CALL |
| CAA-90DB-3M | USB Cable, Standard Type A Male/Down Angle Type B Male, 3.0m | 8.65 | 7.96 | 7.27 | CALL |
| CAA-90DB-5M | USB Cable, Standard Type A Male/Down Angle Type B Male, 5.0m | 10.31 | 9.49 | 8.66 | CALL |

Tip *Defining angled USB cable assemblies*

Angled connector hoods help connect USB cables in tight places. L-com now offers four options each for standard A and B style connectors. The photos below detail the connector position relative to the cable entry direction.

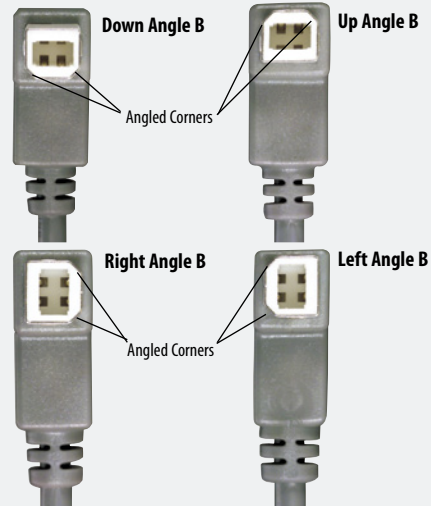
A Style Connectors

For A style connectors, the position of the connector dielectric* is key in determining the correct angle for your application. ***Note:** The connector dielectric is the plastic material that contains the contacts



B Style Connectors

For B style connectors, the angled corners of the connector are key in determining the correct angle for your application.



45 Degree Angled USB 2.0 Cable Assemblies - Choice of 6 Options, all Lengths and Styles at L-com.com

L-com has added 45 degree angled USB cables to complement our extensive 90 degree angled offering. 45 degree bends offer an alternative in applications where 90 degree bends can't clear nearby obstacles. Two mold options each for standard A and B style connectors are now available. These high quality constructed cables feature USB 2.0 compliant 26 AWG power leads and are finished in an attractive gray color. Custom configuration options are available with modest minimum requirements, please contact our sales team for a quote. All families are available in lengths of 0.3, 0.5, 0.75, 1, 2, 3 and 5 meters.

Please use the grid below to determine which family of cables best fits your application

| | A STRAIGHT | A LEFT | A RIGHT |
|------------|------------|-------------|-------------|
| B STRAIGHT | X | CA45LA-B | CA45RA-B |
| B LEFT | CAA-45LB | CA45LA-45LB | X |
| B RIGHT | CAA-45RB | X | CA45RA-45RB |

| Item # | Description | 1-9 | 10-24 | 25-99 | 100+ |
|--------|-------------|-----|-------|-------|------|
|--------|-------------|-----|-------|-------|------|

USB 2.0 Cable Assemblies - Left Angle Type A to Left Angle Type B

| | | | | | |
|------------------|---|------|------|------|------|
| CA45LA-45LB-03M | USB Cable, Left Angle Type A Male/Left Angle Type B Male, 0.3m | 7.25 | 6.67 | 6.09 | CALL |
| CA45LA-45LB-075M | USB Cable, Left Angle Type A Male/Left Angle Type B Male, 0.75m | 7.62 | 7.01 | 6.40 | CALL |
| CA45LA-45LB-1M | USB Cable, Left Angle Type A Male/Left Angle Type B Male, 1.0m | 7.82 | 7.20 | 6.57 | CALL |
| CA45LA-45LB-3M | USB Cable, Left Angle Type A Male/Left Angle Type B Male, 3.0m | 9.48 | 8.72 | 7.96 | CALL |

USB 2.0 Cable Assemblies - Left Angle Type A to Straight Type B

| | | | | | |
|---------------|---|------|------|------|------|
| CA45LA-B-03M | USB Cable, Left Angle Type A Male/Straight Type B Male, 0.3m | 6.74 | 6.20 | 5.66 | CALL |
| CA45LA-B-075M | USB Cable, Left Angle Type A Male/Straight Type B Male, 0.75m | 7.10 | 6.53 | 5.96 | CALL |
| CA45LA-B-1M | USB Cable, Left Angle Type A Male/Straight Type B Male, 1.0m | 7.31 | 6.72 | 6.14 | CALL |
| CA45LA-B-3M | USB Cable, Left Angle Type A Male/Straight Type B Male, 3.0m | 8.96 | 8.25 | 7.53 | CALL |

USB 2.0 Cable Assemblies - Right Angle Type A to Right Angle Type B

| | | | | | |
|------------------|---|-------|-------|------|------|
| CA45RA-45RB-03M | USB Cable, Right Angle Type A Male/Right Angle Type B Male, 0.3m | 7.25 | 6.67 | 6.09 | CALL |
| CA45RA-45RB-075M | USB Cable, Right Angle Type A Male/Right Angle Type B Male, 0.75m | 7.62 | 7.01 | 6.40 | CALL |
| CA45RA-45RB-2M | USB Cable, Right Angle Type A Male/Right Angle Type B Male, 2.0m | 8.65 | 7.96 | 7.27 | CALL |
| CA45RA-45RB-5M | USB Cable, Right Angle Type A Male/Right Angle Type B Male, 5.0m | 11.14 | 10.25 | 9.36 | CALL |

USB 2.0 Cable Assemblies - Right Angle Type A to Straight Type B

| | | | | | |
|---------------|--|------|------|------|------|
| CA45RA-B-03M | USB Cable, Right Angle Type A Male/Straight Type B Male, 0.3m | 6.74 | 6.20 | 5.66 | CALL |
| CA45RA-B-075M | USB Cable, Right Angle Type A Male/Straight Type B Male, 0.75m | 7.10 | 6.53 | 5.96 | CALL |
| CA45RA-B-1M | USB Cable, Right Angle Type A Male/Straight Type B Male, 1.0m | 7.31 | 6.72 | 6.14 | CALL |
| CA45RA-B-3M | USB Cable, Right Angle Type A Male/Straight Type B Male, 3.0m | 8.96 | 8.25 | 7.53 | CALL |

USB 2.0 Cable Assemblies - Straight Type A to Left Angle Type B

| | | | | | |
|---------------|---|------|------|------|------|
| CAA-45LB-03M | USB Cable, Straight Type A Male/Left Type B Male, 0.3m | 6.74 | 6.20 | 5.66 | CALL |
| CAA-45LB-075M | USB Cable, Straight Type A Male/Left Type B Male, 0.75m | 7.10 | 6.53 | 5.96 | CALL |
| CAA-45LB-1M | USB Cable, Straight Type A Male/Left Type B Male, 1.0m | 7.31 | 6.72 | 6.14 | CALL |
| CAA-45LB-3M | USB Cable, Straight Type A Male/Left Type B Male, 3.0m | 8.96 | 8.25 | 7.53 | CALL |

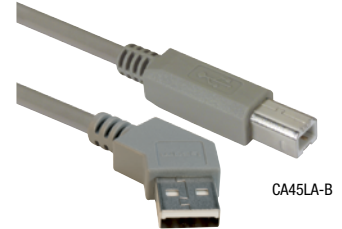
USB 2.0 Cable Assemblies - Straight Type A to Right Angle Type B

| | | | | | |
|---------------|--|------|------|------|------|
| CAA-45RB-03M | USB Cable, Straight Type A Male/Right Type B Male, 0.3m | 6.74 | 6.20 | 5.66 | CALL |
| CAA-45RB-075M | USB Cable, Straight Type A Male/Right Type B Male, 0.75m | 7.10 | 6.53 | 5.96 | CALL |
| CAA-45RB-1M | USB Cable, Straight Type A Male/Right Type B Male, 1.0m | 7.31 | 6.72 | 6.14 | CALL |
| CAA-45RB-3M | USB Cable, Straight Type A Male/Right Type B Male, 3.0m | 8.96 | 8.25 | 7.53 | CALL |

More lengths available.
Go to L-com.com



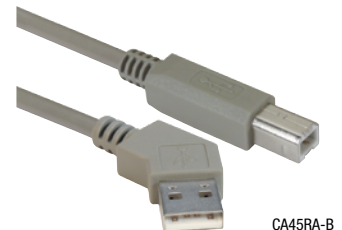
CA45LA-45LB



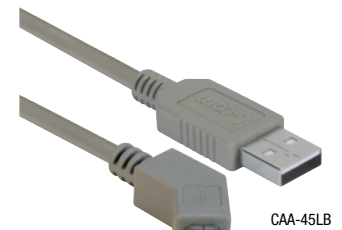
CA45LA-B



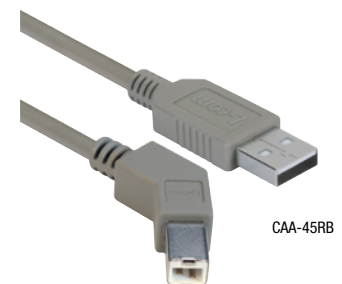
CA45RA-45RB



CA45RA-B



CAA-45LB



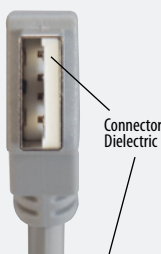
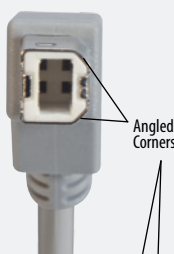
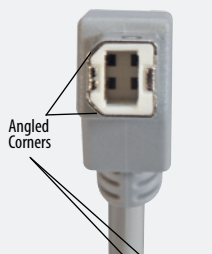
CAA-45RB

Tip Defining 45 Degree Angled USB Cable Assemblies

L-com has added four new angled options to our existing, extensive offering of 90 degree angled USB cable assemblies. The photos below detail the connector position relative to the cable entry direction.

A Style Connectors

For A style connectors, the position of the connector dielectric* is key in determining the correct angle for your application. *Note: The connector dielectric is the plastic material that contains the contacts.

Right Angle A**Left Angle A****Right Angle B****Left Angle B****B Style Connectors**

For B style connectors, the angled corners of the connector are key in determining the correct angle for your application.



CAA-90DMB5-M



CAA-90RMB5-M



CAA-90LMB5-M



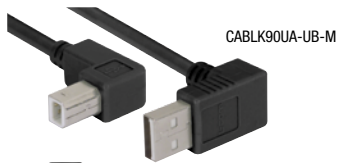
CAA-90DMICB-M



CAA-90RMB5-M



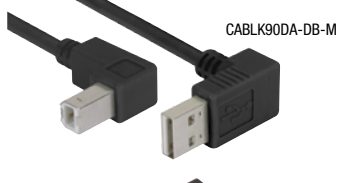
CAA-90LMB5-M



CABLK90UA-UB-M



CABLK90RA-RB-M



CABLK90DA-DB-M



CVRUSB-A

| Item # | Description | 1-9 | 10-24 | 25-99 | 100+ |
|--------|-------------|-----|-------|-------|------|
|--------|-------------|-----|-------|-------|------|

Angled USB 2.0 Mini B and Micro B Cable Assemblies - Eight Options to Choose From

Molded, angled connector hoods solve difficult connection issues in tight places. Four mold options each for USB mini B5 and micro B style connectors are now available. These high quality constructed cables feature USB 2.0 compliant 28 AWG power leads and are finished in an attractive black color.

USB 2.0 Cable Assemblies - Up and Down Angle Mini B5 to Straight Type A

| | | | | | |
|----------------|---|-------|-------|-------|------|
| CAA-90UMB5-03M | USB Cable, Up Angle Mini B5 Male/Straight Type A Male, 0.3m | 9.17 | 8.44 | 7.70 | CALL |
| CAA-90UMB5-05M | USB Cable, Up Angle Mini B5 Male/Straight Type A Male, 0.5m | 9.43 | 8.68 | 7.92 | CALL |
| CAA-90UMB5-1M | USB Cable, Up Angle Mini B5 Male/Straight Type A Male, 1.0m | 10.00 | 9.20 | 8.40 | CALL |
| CAA-90UMB5-3M | USB Cable, Up Angle Mini B5 Male/Straight Type A Male, 3.0m | 12.38 | 11.39 | 10.40 | CALL |

| | | | | | |
|-----------------|--|-------|-------|-------|------|
| CAA-90DMB5-03M | USB Cable, Down Angle Mini B5 Male/Straight Type A Male, 0.3m | 9.17 | 8.44 | 7.70 | CALL |
| CAA-90DMB5-075M | USB Cable, Down Angle Mini B5 Male/Straight Type A Male, 0.75m | 9.69 | 8.91 | 8.14 | CALL |
| CAA-90DMB5-1M | USB Cable, Down Angle Mini B5 Male/Straight Type A Male, 1.0m | 10.00 | 9.20 | 8.40 | CALL |
| CAA-90DMB5-3M | USB Cable, Down Angle Mini B5 Male/Straight Type A Male, 3.0m | 12.38 | 11.39 | 10.40 | CALL |

USB 2.0 Cable Assemblies - Left and Right Angle Mini B5 to Straight Type A

| | | | | | |
|----------------|---|-------|-------|-------|------|
| CAA-90LMB5-03M | USB Cable, Left Angle Mini B5 Male/Straight Type A Male, 0.3m | 9.17 | 8.44 | 7.70 | CALL |
| CAA-90LMB5-05M | USB Cable, Left Angle Mini B5 Male/Straight Type A Male, 0.5m | 9.43 | 8.68 | 7.92 | CALL |
| CAA-90LMB5-2M | USB Cable, Left Angle Mini B5 Male/Straight Type A Male, 2.0m | 11.19 | 10.30 | 9.40 | CALL |
| CAA-90LMB5-5M | USB Cable, Left Angle Mini B5 Male/Straight Type A Male, 5.0m | 14.77 | 13.58 | 12.40 | CALL |

| | | | | | |
|-----------------|---|-------|-------|-------|------|
| CAA-90RMB5-03M | USB Cable, Right Angle Mini B5 Male/Straight Type A Male, 0.3m | 9.17 | 8.44 | 7.70 | CALL |
| CAA-90RMB5-075M | USB Cable, Right Angle Mini B5 Male/Straight Type A Male, 0.75m | 9.69 | 8.91 | 8.14 | CALL |
| CAA-90RMB5-3M | USB Cable, Right Angle Mini B5 Male/Straight Type A Male, 3.0m | 12.38 | 11.39 | 10.40 | CALL |
| CAA-90RMB5-5M | USB Cable, Right Angle Mini B5 Male/Straight Type A Male, 5.0m | 14.77 | 13.58 | 12.40 | CALL |

USB 2.0 Cable Assemblies - Up and Down Angle Micro B to Straight Type A

| | | | | | |
|-----------------|---|-------|-------|-------|------|
| CAA-90UMICB-03M | USB Cable, Up Angle Micro B Male/Straight Type A Male, 0.3m | 9.17 | 8.44 | 7.70 | CALL |
| CAA-90UMICB-05M | USB Cable, Up Angle Micro B Male/Straight Type A Male, 0.5m | 9.43 | 8.68 | 7.92 | CALL |
| CAA-90UMICB-1M | USB Cable, Up Angle Micro B Male/Straight Type A Male, 1.0m | 10.00 | 9.20 | 8.40 | CALL |
| CAA-90UMICB-3M | USB Cable, Up Angle Micro B Male/Straight Type A Male, 3.0m | 12.38 | 11.39 | 10.40 | CALL |

| | | | | | |
|------------------|--|-------|-------|-------|------|
| CAA-90DMICB-05M | USB Cable, Down Angle Micro B Male/Straight Type A Male, 0.5m | 9.43 | 8.68 | 7.92 | CALL |
| CAA-90DMICB-075M | USB Cable, Down Angle Micro B Male/Straight Type A Male, 0.75m | 9.69 | 8.91 | 8.14 | CALL |
| CAA-90DMICB-2M | USB Cable, Down Angle Micro B Male/Straight Type A Male, 2.0m | 11.19 | 10.30 | 9.40 | CALL |
| CAA-90DMICB-5M | USB Cable, Down Angle Micro B Male/Straight Type A Male, 5.0m | 14.77 | 13.58 | 12.40 | CALL |

USB 2.0 Cable Assemblies - Left and Right Angle Micro B to Straight Type A

| | | | | | |
|------------------|--|-------|-------|-------|------|
| CAA-90LMICB-03M | USB Cable, Left Angle Micro B Male/Straight Type A Male, 0.3m | 9.17 | 8.44 | 7.70 | CALL |
| CAA-90LMICB-075M | USB Cable, Left Angle Micro B Male/Straight Type A Male, 0.75m | 9.69 | 8.91 | 8.14 | CALL |
| CAA-90LMICB-2M | USB Cable, Left Angle Micro B Male/Straight Type A Male, 2.0m | 11.19 | 10.30 | 9.40 | CALL |
| CAA-90LMICB-5M | USB Cable, Left Angle Micro B Male/Straight Type A Male, 5.0m | 14.77 | 13.58 | 12.40 | CALL |

| | | | | | |
|-----------------|--|-------|-------|-------|------|
| CAA-90RMICB-03M | USB Cable, Right Angle Micro B Male/Straight Type A Male, 0.3m | 9.17 | 8.44 | 7.70 | CALL |
| CAA-90RMICB-05M | USB Cable, Right Angle Micro B Male/Straight Type A Male, 0.5m | 9.43 | 8.68 | 7.92 | CALL |
| CAA-90RMICB-1M | USB Cable, Right Angle Micro B Male/Straight Type A Male, 1.0m | 10.00 | 9.20 | 8.40 | CALL |
| CAA-90RMICB-5M | USB Cable, Right Angle Micro B Male/Straight Type A Male, 5.0m | 14.77 | 13.58 | 12.40 | CALL |

Angled USB 2.0 Cable Assemblies - Choice of 4 Mold Options, all Lengths and Styles at L-com.com

Molded, angled connector hoods solve difficult connection issues in tight places. Four mold options each for standard A and B style connectors are now available. These high quality constructed cables feature USB 2.0 compliant 24 AWG power leads and are finished in an attractive black color.

Deluxe USB 2.0 Cable Assemblies - Left Angle Type A to Left Angle Type B, 30 Microinches (0.762µm) Gold

| | | | | | |
|------------------|--|-------|-------|------|------|
| CABLK90LA-LB-03M | USB Cable, Left Angle Type A Male/Left Angle Type B Male, 0.3m | 7.27 | 6.69 | 6.11 | CALL |
| CABLK90LA-LB-05M | USB Cable, Left Angle Type A Male/Left Angle Type B Male, 0.5m | 7.46 | 6.86 | 6.27 | CALL |
| CABLK90LA-LB-1M | USB Cable, Left Angle Type A Male/Left Angle Type B Male, 1.0m | 7.93 | 7.29 | 6.66 | CALL |
| CABLK90LA-LB-2M | USB Cable, Left Angle Type A Male/Left Angle Type B Male, 2.0m | 8.86 | 8.15 | 7.44 | CALL |
| CABLK90LA-LB-3M | USB Cable, Left Angle Type A Male/Left Angle Type B Male, 3.0m | 9.79 | 9.01 | 8.23 | CALL |
| CABLK90LA-LB-5M | USB Cable, Left Angle Type A Male/Left Angle Type B Male, 5.0m | 11.66 | 10.72 | 9.79 | CALL |

Deluxe USB 2.0 Cable Assemblies - Standard Type A to Right Angle Type B, 30 Microinches (0.762µm) Gold

| | | | | | |
|-----------------|---|-------|-------|------|------|
| CAABLK-90RB-03M | USB Cable, Standard Type A Male/Right Angle Type B Male, 0.3m | 6.74 | 6.20 | 5.66 | CALL |
| CAABLK-90RB-05M | USB Cable, Standard Type A Male/Right Angle Type B Male, 0.5m | 6.94 | 6.39 | 5.83 | CALL |
| CAABLK-90RB-1M | USB Cable, Standard Type A Male/Right Angle Type B Male, 1.0m | 7.41 | 6.82 | 6.22 | CALL |
| CAABLK-90RB-2M | USB Cable, Standard Type A Male/Right Angle Type B Male, 2.0m | 8.34 | 7.67 | 7.01 | CALL |
| CAABLK-90RB-3M | USB Cable, Standard Type A Male/Right Angle Type B Male, 3.0m | 9.27 | 8.53 | 7.79 | CALL |
| CAABLK-90RB-5M | USB Cable, Standard Type A Male/Right Angle Type B Male, 5.0m | 11.14 | 10.25 | 9.36 | CALL |

Deluxe USB 2.0 Cable Assemblies - Down Angle Type A to Down Angle Type B, 30 Microinches Gold

| | | | | | |
|------------------|--|-------|-------|------|------|
| CABLK90DA-DB-03M | USB Cable, Down Angle Type A Male/Down Angle Type B Male, 0.3m | 7.27 | 6.69 | 6.11 | CALL |
| CABLK90DA-DB-05M | USB Cable, Down Angle Type A Male/Down Angle Type B Male, 0.5m | 7.46 | 6.86 | 6.27 | CALL |
| CABLK90DA-DB-1M | USB Cable, Down Angle Type A Male/Down Angle Type B Male, 1.0m | 7.93 | 7.29 | 6.66 | CALL |
| CABLK90DA-DB-2M | USB Cable, Down Angle Type A Male/Down Angle Type B Male, 2.0m | 8.86 | 8.15 | 7.44 | CALL |
| CABLK90DA-DB-3M | USB Cable, Down Angle Type A Male/Down Angle Type B Male, 3.0m | 9.79 | 9.01 | 8.23 | CALL |
| CABLK90DA-DB-5M | USB Cable, Down Angle Type A Male/Down Angle Type B Male, 5.0m | 11.66 | 10.72 | 9.79 | CALL |

USB Cable Assembly Male Connector Dust Covers - Pkg/10

These hard to find covers are perfect for protecting unused USB cable assembly connectors from physical damage, dirt and dust. Made from PVC, they attach easily and stay in place with a snug friction fit.

| | | | | | |
|----------|---|------|------|------|------|
| CVRUSB-A | USB Protective Cover for USB 2.0 and 3.0 Type A Plugs, Pkg/10 | 6.58 | 6.06 | 5.53 | CALL |
| CVRUSB-B | USB Protective Cover for USB 2.0 Type B Plugs, Pkg/10 | 6.58 | 6.06 | 5.53 | CALL |

| Item # | Description | 1-9 | 10-24 | 25-99 | 100+ |
|--------|-------------|-----|-------|-------|------|
|--------|-------------|-----|-------|-------|------|

USB Type A Female Panel Mount to Type A Male Cable Assembly

These USB 2.0 panel mount cables are perfect for use inside a box or enclosure. The USB female side is flange-style panel mountable with an alternative, smaller body compared to the popular ECF504 series.

| | | | | | |
|------------|---|-------|-------|------|------|
| UPMAA-03M | USB Cable, Type A Female Panel Mount/Type A Male, 0.3m | 8.81 | 8.10 | 7.40 | CALL |
| UPMAA-05M | USB Cable, Type A Female Panel Mount/Type A Male, 0.5m | 9.01 | 8.29 | 7.57 | CALL |
| UPMAA-075M | USB Cable, Type A Female Panel Mount/Type A Male, 0.75m | 9.33 | 8.58 | 7.83 | CALL |
| UPMAA-1M | USB Cable, Type A Female Panel Mount/Type A Male, 1.0m | 9.58 | 8.82 | 8.05 | CALL |
| UPMAA-2M | USB Cable, Type A Female Panel Mount/Type A Male, 2.0m | 10.62 | 9.77 | 8.92 | CALL |
| UPMAA-3M | USB Cable, Type A Female Panel Mount/Type A Male, 3.0m | 11.71 | 10.77 | 9.84 | CALL |

USB Type A Female Panel Mount with Ground Wire to Type A Male Cable Assembly

This version adds a ground wire giving the user the option to electrically ground the USB female connector to their panel or enclosure. The #6 spade lug easily attaches to a screw or similar hardware.

| | | | | | |
|--------------|--|-------|-------|-------|------|
| UPMAAGND-03M | USB Cable, Type A Female Panel Mount w/Ground Wire/Type A Male, 0.3m | 9.33 | 8.58 | 7.83 | CALL |
| UPMAAGND-05M | USB Cable, Type A Female Panel Mount w/Ground Wire/Type A Male, 0.5m | 9.53 | 8.77 | 8.01 | CALL |
| UPMAAGND-1M | USB Cable, Type A Female Panel Mount w/Ground Wire/Type A Male, 1.0m | 10.10 | 9.29 | 8.49 | CALL |
| UPMAAGND-2M | USB Cable, Type A Female Panel Mount w/Ground Wire/Type A Male, 2.0m | 11.14 | 10.25 | 9.36 | CALL |
| UPMAAGND-3M | USB Cable, Type A Female Panel Mount w/Ground Wire/Type A Male, 3.0m | 12.23 | 11.25 | 10.27 | CALL |

USB Type A Female Panel Mount to Type B Male Cable Assembly

| | | | | | |
|------------|---|-------|-------|-------|------|
| UPMAB-03M | USB Cable, Type A Female Panel Mount/Type B Male, 0.3m | 9.01 | 8.29 | 7.57 | CALL |
| UPMAB-05M | USB Cable, Type A Female Panel Mount/Type B Male, 0.5m | 9.22 | 8.48 | 7.75 | CALL |
| UPMAB-075M | USB Cable, Type A Female Panel Mount/Type B Male, 0.75m | 9.48 | 8.72 | 7.96 | CALL |
| UPMAB-1M | USB Cable, Type A Female Panel Mount/Type B Male, 1.0m | 9.74 | 8.96 | 8.18 | CALL |
| UPMAB-2M | USB Cable, Type A Female Panel Mount/Type B Male, 2.0m | 10.83 | 9.96 | 9.10 | CALL |
| UPMAB-5M | USB Cable, Type A Female Panel Mount/Type B Male, 5.0m | 14.09 | 12.96 | 11.84 | CALL |

USB Type B Female Panel Mount to Type A Male Cable Assembly

| | | | | | |
|-----------|--|-------|-------|-------|------|
| UPMBA-03M | USB Cable, Type B Female Panel Mount/Type A Male, 0.3m | 9.01 | 8.29 | 7.57 | CALL |
| UPMBA-05M | USB Cable, Type B Female Panel Mount/Type A Male, 0.5m | 9.22 | 8.48 | 7.75 | CALL |
| UPMBA-2M | USB Cable, Type B Female Panel Mount/Type A Male, 2.0m | 10.83 | 9.96 | 9.10 | CALL |
| UPMBA-3M | USB Cable, Type B Female Panel Mount/Type A Male, 3.0m | 11.92 | 10.96 | 10.01 | CALL |
| UPMBA-5M | USB Cable, Type B Female Panel Mount/Type A Male, 5.0m | 14.09 | 12.96 | 11.84 | CALL |

USB Type B Female Panel Mount to Type B Male Cable Assembly

| | | | | | |
|-----------|--|-------|-------|-------|------|
| UPMBB-03M | USB Cable, Type B Female Panel Mount/Type B Male, 0.3m | 9.01 | 8.29 | 7.57 | CALL |
| UPMBB-05M | USB Cable, Type B Female Panel Mount/Type B Male, 0.5m | 9.22 | 8.48 | 7.75 | CALL |
| UPMBB-1M | USB Cable, Type B Female Panel Mount/Type B Male, 1.0m | 9.74 | 8.96 | 8.18 | CALL |
| UPMBB-2M | USB Cable, Type B Female Panel Mount/Type B Male, 2.0m | 10.83 | 9.96 | 9.10 | CALL |
| UPMBB-4M | USB Cable, Type B Female Panel Mount/Type B Male, 4.0m | 13.00 | 11.96 | 10.92 | CALL |

USB Type A Female Panel Mount to 5 Pin Female 0.100" (2.54mm) Header Connector

| | | | | | |
|------------|--|------|------|------|------|
| UPMA5-03M | USB Cable, Type A Female Panel Mount/5 Pin Female, 0.3m | 7.72 | 7.10 | 6.48 | CALL |
| UPMA5-05M | USB Cable, Type A Female Panel Mount/5 Pin Female, 0.5m | 7.88 | 7.25 | 6.62 | CALL |
| UPMA5-075M | USB Cable, Type A Female Panel Mount/5 Pin Female, 0.75m | 8.08 | 7.44 | 6.79 | CALL |
| UPMA5-1M | USB Cable, Type A Female Panel Mount/5 Pin Female, 1.0m | 8.29 | 7.63 | 6.96 | CALL |
| UPMA5-2M | USB Cable, Type A Female Panel Mount/5 Pin Female, 2.0m | 9.17 | 8.44 | 7.70 | CALL |

USB Type A or B Female Panel Mount Connectors to 24" (61.0cm) Wire Leads

| | | | | | |
|------------|---|------|------|------|------|
| UPMA-LEADS | USB Type A Panel Mount Connector, 24in (61.0cm) Leads | 8.13 | 7.48 | 6.83 | CALL |
| UPMB-LEADS | USB Type B Panel Mount Connector, 24in (61.0cm) Leads | 8.13 | 7.48 | 6.83 | CALL |

USB Type B Female Panel Mount to 5 Pin Female 0.100" (2.54mm) Header Connector

| | | | | | |
|------------|--|-------|------|------|------|
| UPMB5-03M | USB Cable, Type B Female Panel Mount/5 Pin Female, 0.3m | 7.82 | 7.20 | 6.57 | CALL |
| UPMB5-075M | USB Cable, Type B Female Panel Mount/5 Pin Female, 0.75m | 8.24 | 7.58 | 6.92 | CALL |
| UPMB5-1M | USB Cable, Type B Female Panel Mount/5 Pin Female, 1.0m | 8.45 | 7.77 | 7.09 | CALL |
| UPMB5-2M | USB Cable, Type B Female Panel Mount/5 Pin Female, 2.0m | 9.33 | 8.58 | 7.83 | CALL |
| UPMB5-3M | USB Cable, Type B Female Panel Mount/5 Pin Female, 3.0m | 10.21 | 9.39 | 8.57 | CALL |

Panel Mount USB Cable- Type A or B Female Panel Mount to Female 5 Position 2mm Pitch Housing

| | | | | | |
|----------------|---|-------|------|------|------|
| UPMA5-2MM-03M | USB Cable, Type A Female Panel Mount/5 Position 2mm Female, 0.3m | 8.08 | 7.44 | 6.79 | CALL |
| UPMA5-2MM-075M | USB Cable, Type A Female Panel Mount/5 Position 2mm Female, 0.75m | 8.45 | 7.77 | 7.09 | CALL |
| UPMA5-2MM-1M | USB Cable, Type A Female Panel Mount/5 Position 2mm Female, 1.0m | 8.65 | 7.96 | 7.27 | CALL |
| UPMA5-2MM-2M | USB Cable, Type A Female Panel Mount/5 Position 2mm Female, 2.0m | 9.48 | 8.72 | 7.96 | CALL |
| UPMA5-2MM-3M | USB Cable, Type A Female Panel Mount/5 Position 2mm Female, 3.0m | 10.31 | 9.49 | 8.66 | CALL |
| UPMB5-2MM-03M | USB Cable, Type B Female Panel Mount/5 Position 2mm Female, 0.3m | 8.19 | 7.53 | 6.88 | CALL |
| UPMB5-2MM-05M | USB Cable, Type B Female Panel Mount/5 Position 2mm Female, 0.5m | 8.34 | 7.67 | 7.01 | CALL |
| UPMB5-2MM-075M | USB Cable, Type B Female Panel Mount/5 Position 2mm Female, 0.75m | 8.55 | 7.86 | 7.18 | CALL |
| UPMB5-2MM-1M | USB Cable, Type B Female Panel Mount/5 Position 2mm Female, 1.0m | 8.76 | 8.06 | 7.35 | CALL |
| UPMB5-2MM-2M | USB Cable, Type B Female Panel Mount/5 Position 2mm Female, 2.0m | 9.58 | 8.82 | 8.05 | CALL |

USB 3.0 Type A Female Panel Mount to Type A Male Cable Assembly

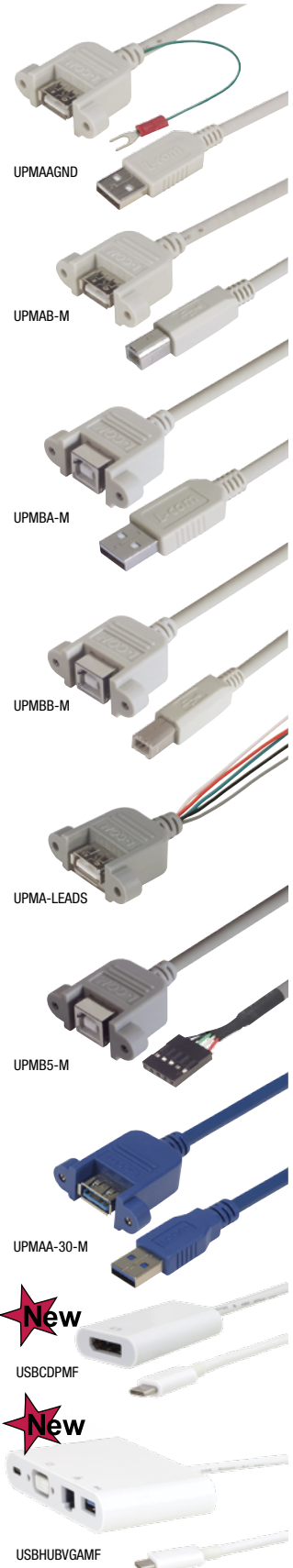
USB 3.0 versions of our popular UPM style panel mount USB adapter cables are now available. This series features a bulkhead Type A 3.0 jack to a molded Type A 3.0 plug attached via USB 3.0 compliant cable.

| | | | | | |
|--------------|--|-------|-------|-------|------|
| UPMAA-30-03M | USB 3.0 Cable, Type A Female Panel Mount/Type A Male, 0.3m | 18.85 | 17.72 | 16.59 | CALL |
| UPMAA-30-05M | USB 3.0 Cable, Type A Female Panel Mount/Type A Male, 0.5m | 19.26 | 18.11 | 16.95 | CALL |
| UPMAA-30-1M | USB 3.0 Cable, Type A Female Panel Mount/Type A Male, 1.0m | 20.40 | 19.18 | 17.95 | CALL |
| UPMAA-30-2M | USB 3.0 Cable, Type A Female Panel Mount/Type A Male, 2.0m | 22.48 | 21.13 | 19.78 | CALL |
| UPMAA-30-3M | USB 3.0 Cable, Type A Female Panel Mount/Type A Male, 3.0m | 24.55 | 23.07 | 21.60 | CALL |

USB 3.1 Adapter, Dongles and Hubs

USB 3.1 Adapter, Dongles and Hubs solutions for cable interface solutions. No need to buy new expensive peripherals when you can use L-com USB 3.1 adapter, hub or dongle interface to connect newer and legacy technology products together. Available in multiple interfaces including other USB configurations, DisplayPort, HDMI and VGA.

| | | | | | |
|-------------|--------------------------------------|-------|-------|-------|------|
| USBCDPMF | USB 3.1 Type C to Displayport Dongle | 18.20 | 17.65 | 17.11 | CALL |
| USBCVGAMF | USB 3.1 Type C to VGA Dongle | 21.95 | 21.29 | 20.63 | CALL |
| USBHUBVGAMF | USB 3.1 VGA HUB Adaptor | 45.65 | 44.28 | 42.91 | CALL |
| USBCDMMF | USB 3.1 HDMI Dongle | 26.20 | 25.41 | 24.63 | CALL |
| USBCHUBDMF | USB 3.1 Type C HDMI Hub Adaptor | 55.10 | 53.45 | 51.79 | CALL |



Best Seller

| Item # | Description | 1-9 | 10-24 | 25-99 | 100+ |
|--------|-------------|-----|-------|-------|------|
|--------|-------------|-----|-------|-------|------|

Waterproof USB Cable Assemblies - IEC IP67 Rated, Revision 2.0 Compliant

Standard USB connectors are not intended to withstand contaminants such as water and dust. Our Waterproof USB cable assemblies utilize rugged, molded or metal outer shells and a threaded coupling with an O-ring seal and are IEC IP67 rated. Assemblies are offered in a variety of lengths and connector options. All feature revision 2.0 compliant fully shielded cable and threaded couplings.

Waterproof USB Cable Assemblies - Panel Mount Type A Male to Standard Type B Male

| | | | | | |
|------------|--|-------|-------|-------|------|
| WPUSBAB-2M | USB Cable, Waterproof Panel Mt. Type A Male/Standard Type B Male, 2.0m | 21.53 | 21.10 | 20.24 | CALL |
| WPUSBAB-5M | USB Cable, Waterproof Panel Mt. Type A Male/Standard Type B Male, 5.0m | 25.83 | 25.31 | 24.28 | CALL |

Waterproof USB Cable Assemblies - Panel Mount Type A Female to Standard Type A Male

| | | | | | |
|-------------|--|-------|-------|-------|------|
| WPUSBBA-05M | USB Cable, Waterproof Panel Mt. Type A Female/Standard Type A Male, 0.5m | 18.95 | 18.57 | 17.81 | CALL |
| WPUSBAX-1M | USB Cable, Waterproof Panel Mt. Type A Female/Standard Type A Male, 1.0m | 20.17 | 19.77 | 18.96 | CALL |
| WPUSBAX-2M | USB Cable, Waterproof Panel Mt. Type A Female/Standard Type A Male, 2.0m | 21.29 | 20.87 | 20.01 | CALL |
| WPUSBAX-3M | USB Cable, Waterproof Panel Mt. Type A Female/Standard Type A Male, 3.0m | 22.41 | 21.96 | 21.07 | CALL |
| WPUSBAX-5M | USB Cable, Waterproof Panel Mt. Type A Female/Standard Type A Male, 5.0m | 24.65 | 24.16 | 23.18 | CALL |

Waterproof USB Cable Assemblies - Panel Mount Type B Female to Standard Type A Male

| | | | | | |
|-------------|--|-------|-------|-------|------|
| WPUSBBA-05M | USB Cable, Waterproof Panel Mt. Type B Female/Standard Type A Male, 0.5m | 18.95 | 18.57 | 17.81 | CALL |
| WPUSBBA-1M | USB Cable, Waterproof Panel Mt. Type B Female/Standard Type A Male, 1.0m | 20.17 | 19.77 | 18.96 | CALL |
| WPUSBBA-2M | USB Cable, Waterproof Panel Mt. Type B Female/Standard Type A Male, 2.0m | 21.29 | 20.87 | 20.01 | CALL |
| WPUSBBA-3M | USB Cable, Waterproof Panel Mt. Type B Female/Standard Type A Male, 3.0m | 22.41 | 21.96 | 21.07 | CALL |
| WPUSBBA-5M | USB Cable, Waterproof Panel Mt. Type B Female/Standard Type A Male, 5.0m | 24.65 | 24.16 | 23.18 | CALL |

Waterproof USB Cable Assemblies - Panel Mount Type B Male to Standard Type B Male

| | | | | | |
|------------|--|-------|-------|-------|------|
| WPUSBBB-2M | USB Cable, Waterproof Panel Mt. Type B Male/Standard Type B Male, 2.0m | 22.31 | 21.86 | 20.97 | CALL |
| WPUSBBB-5M | USB Cable, Waterproof Panel Mt. Type B Male/Standard Type B Male, 5.0m | 25.83 | 25.31 | 24.28 | CALL |

Waterproof USB Jacks with 10" (25.4cm) Wire Leads - Type A and Type B Available

These cables are ideal for enclosures or panels that are exposed to harsh environments. Wire leads are 24 AWG and can easily be soldered into a PCB or terminated with a variety of connectors.

| | | | | | |
|---------|--|-------|-------|-------|------|
| WPUSBAF | USB Jack, Waterproof Type A with 10" (25.4cm) Wire Leads | 17.00 | 15.98 | 14.96 | CALL |
| WPUSBBF | USB Jack, Waterproof Type B with 10" (25.4cm) Wire Leads | 17.00 | 15.98 | 14.96 | CALL |

Non-Shielded USB Covers and Replacement Nuts/Gaskets

Protect unused IP67 ports with waterproof covers. Choose among two lanyard styles-chain or rubber. L-com also offers easy to install replacement gaskets and nuts for its popular IP67 rated USB and Firewire cable assemblies. The covers, nuts and gaskets are compatible with WPUSBAX, WPUSBBA, WPUSBBF, WPUSBAF and WP946PMF product families.

| | | | | | |
|----------------|---|------|------|------|------|
| WPUSB-CVR | Waterproof USB/Firewire Cover with Metal Lanyard | 5.12 | 4.82 | 4.51 | CALL |
| WPCVR-USB-1394 | Waterproof USB/Firewire Cover with Rubber Lanyard | 5.12 | 4.82 | 4.51 | CALL |
| WPNUT-13/16-28 | USB Replacement Hex Nut, Pkg/10 | 6.50 | 5.98 | 5.46 | CALL |
| WPGASKET-13/16 | USB Replacement Rubber Gasket, Pkg/10 | 2.87 | 2.64 | 2.41 | CALL |

Waterproof USB Cable Assemblies - Mini B 5 Female to Mini B 5 Male

L-com's exclusive Waterproof USB Mini B 5 position cable assemblies are designed for the most demanding industrial applications where dust and moisture are present.

| | | | | | |
|---------------|---|-------|-------|-------|------|
| WPUSBMB5X-05M | Waterproof USB Cable, Mini B 5 Female/Mini B 5 Male, 0.5m | 21.72 | 21.28 | 20.42 | CALL |
| WPUSBMB5X-2M | Waterproof USB Cable, Mini B 5 Female/Mini B 5 Male, 2.0m | 23.48 | 23.01 | 22.07 | CALL |

Waterproof Cover for WPUSBMB5X Series

| | | | | | |
|---------------|---------------------------------------|------|------|------|------|
| WPUSBMINI-CVR | USB Cover for WPUSBMB5X Series Cables | 5.50 | 5.17 | 4.84 | CALL |
|---------------|---------------------------------------|------|------|------|------|

Waterproof USB Field Installable Connectors - Revision 2.0 Compliant, IP67 Rated

Available in type A or B styles, these connectors are a perfect complement to our popular IP67 USB cable assemblies. Solder connectors and a sealing nut that conforms to any USB cable diameter allows the user to make their own water/dust proof cable assemblies. In addition, these connectors are panel mountable and mate with our male IP67 cable assemblies as well as our IP67 covers. L-com will manufacture custom cable assemblies using these connectors with short lead times and low minimum quantity requirements.

| | | | | | |
|---------------|---|-------|-------|-------|------|
| WPUSBCN-A-2.0 | Waterproof Panel Mount USB 2.0 Type A Connector, Female | 13.50 | 12.69 | 11.88 | CALL |
| WPUSBCN-B-2.0 | Waterproof Panel Mount USB 2.0 Type B Connector, Female | 13.50 | 12.69 | 11.88 | CALL |

USB Cable Assemblies - Shielded Waterproof Panel Mount Type A Female to Standard Type A Male

Fully shielded versions of our popular IP67 rated USB cables are now available. These cables feature a die cast steel panel mountable female USB A connector and a standard male USB A connector. The steel housing allows for efficient grounding to a panel or enclosure. Mates with shielded male IP67 rated cable series WPUSBABSH or cover and seal with part number WPCVR-SHLD-USB.

| | | | | | |
|---------------|---|-------|-------|-------|------|
| WPUSBAXSH-05M | USB Cable, Shld. Waterproof Panel Mnt. Type A Female/Std. Type A Male, 0.5m | 36.77 | 35.30 | 33.83 | CALL |
| WPUSBAXSH-1M | USB Cable, Shld. Waterproof Panel Mnt. Type A Female/Std. Type A Male, 1.0m | 38.69 | 37.14 | 35.59 | CALL |
| WPUSBAXSH-2M | USB Cable, Shld. Waterproof Panel Mnt. Type A Female/Std. Type A Male, 2.0m | 39.81 | 38.22 | 36.62 | CALL |
| WPUSBAXSH-3M | USB Cable, Shld. Waterproof Panel Mnt. Type A Female/Std. Type A Male, 3.0m | 40.93 | 39.29 | 37.66 | CALL |
| WPUSBAXSH-5M | USB Cable, Shld. Waterproof Panel Mnt. Type A Female/Std. Type A Male, 5.0m | 43.17 | 41.44 | 39.72 | CALL |

USB Cable Assemblies - Shielded Waterproof Type A Male to Standard Type B Male

These cables feature a male USB A connector with a metal coupling nut and a standard male USB B connector. The type A connector is designed to mate with our WPUSBAXSH cable series to provide a completely shielded IP67 solution.

| | | | | | |
|---------------|---|-------|-------|-------|------|
| WPUSBABSH-05M | USB Cable, Shielded Waterproof Type A Male/Standard Type B Male, 0.5m | 32.50 | 30.55 | 28.60 | CALL |
| WPUSBABSH-2M | USB Cable, Shielded Waterproof Type A Male/Standard Type B Male, 2.0m | 34.21 | 32.15 | 30.10 | CALL |
| WPUSBABSH-5M | USB Cable, Shielded Waterproof Type A Male/Standard Type B Male, 5.0m | 37.57 | 35.31 | 33.06 | CALL |

Shielded Waterproof Cap for WPUSBAXSH Series

| | | | | | |
|----------------|--|------|------|------|------|
| WPCVR-SHLD-USB | Shielded Waterproof Cap for WPUSBAXSH Series | 7.63 | 7.02 | 6.41 | CALL |
|----------------|--|------|------|------|------|

| Item # | Description | Color | 1-9 | 10-24 | 25-99 | 100+ |
|--|---|--------|------|-------|-------|------|
| USB Keystone Feed Through Couplers - Type A to A, A to B, and B to A Connectors, Fully Shielded | | | | | | |
| UADKEY-AA | USB Keystone Coupler, Type A Female/Type A Female | Silver | 9.74 | 8.96 | 8.18 | CALL |
| UADKEY-AB | USB Keystone Coupler, Type A Female/Type B Female | Silver | 9.74 | 8.96 | 8.18 | CALL |
| UADKEY-BA | USB Keystone Coupler, Type B Female/Type A Female | Silver | 9.74 | 8.96 | 8.18 | CALL |

Flanged Panel Mounted USB 2.0 Coupler - Type A to A, A to B, and B to A Connectors, Fully Shielded

These unique products combine L-com's fully shielded keystone couplers with a solid die-cast metal mounting frame allowing for mounting in virtually any panel thickness. Three coupler options are available - A to A, A to B, and B to A. 4-40 machine screws are provided.

| | | | | | | |
|-----------|---|--------|-------|-------|------|------|
| ECF504-AA | USB Keystone Flanged Coupler, Type A Female/Type A Female | Silver | 11.15 | 10.26 | 9.37 | CALL |
| ECF504-AB | USB Keystone Flanged Coupler, Type A Female/Type B Female | Silver | 11.15 | 10.26 | 9.37 | CALL |
| ECF504-BA | USB Keystone Flanged Coupler, Type B Female/Type A Female | Silver | 11.15 | 10.26 | 9.37 | CALL |

USB Surge/Lightning Protectors - Type A to A and A to B Connectors, Panel Mountable

The L-com AL-ECF504 series USB surge protectors are commercial quality devices designed to protect a computer's sensitive USB port from surges and spikes from attached devices. To ensure USB 2.0 speeds, these devices use ultra-low capacitance diodes to protect the data lines. In addition, a protection device clamps the power lines to safe levels. They can be mounted on an enclosure, panel mounted or used in-line as a stand alone product. Mounting screws must be purchased separately.

| | | | | | | |
|----------------|--|----------|-------|-------|-------|------|
| AL-ECF504-AB | USB Surge/Lightning Protector, Type A/B | Silver | 19.39 | 18.22 | 17.06 | CALL |
| AL-ECF504-AA12 | USB Type A Female Bulkhead/Type A Male, 12in (30.5cm) Pigtail* | Lt. Gray | 21.54 | 20.25 | 18.96 | CALL |
| AL-ECF504-AB12 | USB Type A Female Bulkhead/Type B Male, 12in (30.5cm) Pigtail* | Lt. Gray | 21.54 | 20.25 | 18.96 | CALL |
| ECF440 | Machine Screws, 4-40 x 5/16", Pkg/100 | | 5.18 | 4.77 | 4.35 | CALL |

*Also available in lengths of 24in (61.0cm), 36in (91.4cm), 48in (121.9cm) and 72in (182.9cm). See web site for details.

USB Type A and B Female Field Termination Connector

The USB field termination female connectors provide an easy and convenient way to perform field termination for USB applications. USB 2.0 standard A and B connector styles are available. Separate connection points are provided for all 4 positions of the connector plus the ground. Terminal block design with set screws provides reliable electrical connections utilizing no special tools. The terminal block area is clearly marked making proper termination virtually foolproof. Panel mountable using 4-40 screws provided.

| | | | | | |
|--------|--|------|------|------|------|
| USBAFT | USB Field Termination Connector, Type A Female | 7.24 | 6.81 | 6.37 | CALL |
| USBBFT | USB Field Termination Connector, Type B Female | 7.24 | 6.81 | 6.37 | CALL |

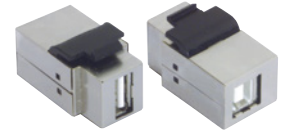
USB Protective Covers with Lanyard - for Type A and B Jacks - Pkg/10

These covers add a lanyard feature to enhance our existing USB cover product line. They are perfect for protecting unused USB female ports in our panel mount couplers or any expensive equipment from physical damage, dirt and dust. The lanyard is perfectly sized to fit the 4-40 screws used in our ECF and UPM panel mount products. Made from soft polyethylene, these covers attach easily and stay in place with a snug friction fit.

| | | | | | | |
|---------------|--|-------|------|------|------|------|
| CAP-A-USB-LAN | USB Protective Cover with Lanyard for USB Type A Jacks, Pkg/10 | Black | 8.11 | 7.46 | 6.81 | CALL |
| CAP-B-USB-LAN | USB Protective Cover with Lanyard for USB Type B Jacks, Pkg/10 | Black | 8.11 | 7.46 | 6.81 | CALL |



UADKEY-AA



UADKEY-AB



UADKEY-BA



ECF504-AA



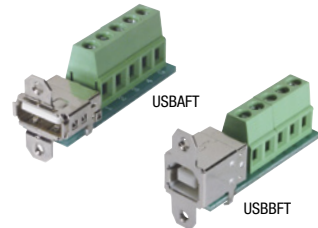
ECF504-AB



ECF504-BA

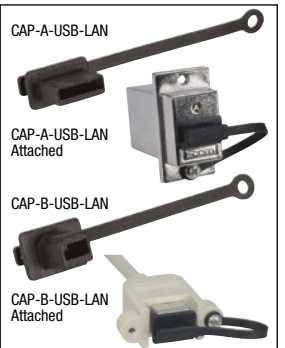


AL-ECF504-AB



USBAFT

USBBFT



CAP-A-USB-LAN

CAP-A-USB-LAN Attached

CAP-B-USB-LAN

CAP-B-USB-LAN Attached

Tip Waterproof Connectors - Where are they used and how are they rated?

Where are they used?

Applications for these connectors are numerous and include automotive, communication, industrial and medical instruments. Dust and moisture are the two most common contaminants that enter through exposed data ports, damaging or destroying electronic equipment. Fortunately, specially sealed cables and connectors are available from L-com to protect these ports from dust and moisture.

L-com offers a number of protected interfaces including:



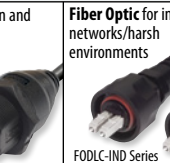
WPDB Series



ECRK Series



WPUSB Series



FODLC-IND Series

IP

How are they rated?

The most popular system to rate the environmental protection of a particular connector is the Ingress Protection Rating (commonly known as IP Rating).

The IP Rating is a number ranging from 1 to 3 digits.

- The first digit rates protection against ingress of solid objects
- The second digit rates protection against ingress of liquids
- The third digit rates protection against impact damage

The chart at right details the first two digit ratings:

Note: Many products, including L-com products, are not rated for impact. Larger value digits indicate greater protection against that substance/force.

Solids

| | |
|---|-------------------|
| 0 | Non-Protected |
| 1 | ≥ 50mm diameter |
| 2 | ≥ 12.5mm diameter |
| 3 | ≥ 2.5mm diameter |
| 4 | ≥ 1.0mm diameter |
| 5 | Dust-protected |
| 6 | Dust-tight |

Dust Protected - Dust may not be totally prevented, however, it must not interfere with the operation of the device or impair safety.
Dust Tight - No ingress of dust allowed.

Liquids

| | |
|---|---------------------------------------|
| 0 | Non-Protected |
| 1 | Vertical Dripping |
| 2 | Dripping (15° tilted) |
| 3 | Spraying (up to 60°) |
| 4 | Splashing (from any direction) |
| 5 | Jetting (from any direction) |
| 6 | Powerful Jetting (from any direction) |
| 7 | Temporary Immersion (30 min., 1m) |
| 8 | Continuous Immersion (user defined) |



| Item # | Description | Color | 1-9 | 10-24 | 25-99 | 100+ |
|---------------|---|--------|-------|-------|-------|------|
| ECF504-12AAS | USB Type A Coupler, Female Bulkhead/Male, 12in (30.5cm) | Silver | 10.94 | 10.72 | 10.28 | CALL |
| ECF504-24AAS | USB Type A Coupler, Female Bulkhead/Male, 24in (61.0cm) | Silver | 11.42 | 11.19 | 10.73 | CALL |
| ECF504-36AAS | USB Type A Coupler, Female Bulkhead/Male, 36in (91.4cm) | Silver | 11.74 | 11.51 | 11.04 | CALL |
| ECF504-72AAS | USB Type A Coupler, Female Bulkhead/Male, 72in (182.9cm) | Silver | 12.70 | 12.45 | 11.94 | CALL |
| ECF504-120AAS | USB Type A Coupler, Female Bulkhead/Male, 120in (304.8cm) | Silver | 14.03 | 13.75 | 13.19 | CALL |
| ECF440 | Machine Screws, 4-40 x 5/16", Pkg/100 | | 5.18 | 4.77 | 4.35 | CALL |

USB Type B Female Shielded Panel Mount Coupler to USB Type B Male Connector, 30μ (0.762μm) Gold

Another unique panel mount USB option features a bulkhead Type B jack to a molded Type B plug attached via USB 2.0 compliant cable. These cables can be directly connected to a mating connector inside an enclosure. These assemblies are fully shielded and use L-com's popular ECF504 style housing that can be used with virtually any panel thickness. The recommended 4-40 mounting screws must be purchased separately (P/N ECF440). Custom lengths available upon request with minimal quantity requirements.

| | | | | | | |
|---------------|---|--------|-------|-------|-------|------|
| ECF504-12BBS | USB Type B Coupler, Female Bulkhead/Male, 12in (30.5cm) | Silver | 11.15 | 10.93 | 10.48 | CALL |
| ECF504-24BBS | USB Type B Coupler, Female Bulkhead/Male, 24in (61.0cm) | Silver | 11.63 | 11.40 | 10.94 | CALL |
| ECF504-36BBS | USB Type B Coupler, Female Bulkhead/Male, 36in (91.4cm) | Silver | 11.95 | 11.71 | 11.24 | CALL |
| ECF504-72BBS | USB Type B Coupler, Female Bulkhead/Male, 72in (183.0cm) | Silver | 12.97 | 12.71 | 12.19 | CALL |
| ECF504-120BBS | USB Type B Coupler, Female Bulkhead/Male, 120in (305.0cm) | Silver | 14.30 | 14.02 | 13.44 | CALL |
| ECF440 | Machine Screws, 4-40 x 5/16", Pkg/100 | | 5.18 | 4.77 | 4.35 | CALL |

USB Type A or B Female Panel Mount Coupler to 5 Meter Un-terminated Pigtail Cable

These additions to the popular USB panel mount adapter line allow users the flexibility to configure their own assembly. They feature a shielded bulkhead Type A or B Jack with 5 meters of un-terminated USB 2.0 compliant cable. Users can cut the cable to the desired length and hard wire or terminate it with their connector of choice. L-com can custom terminate these cable ends with modest minimum requirements. Recommended 4-40 mounting screws must be purchased separately.

| | | | | | | |
|-------------|--|--------|-------|-------|-------|------|
| ECF504-5M | USB Type A Female Panel Mount Coupler/5.0m Cable | Silver | 13.39 | 13.13 | 12.59 | CALL |
| ECF504-B-5M | USB Type B Female Panel Mount Coupler/5.0m Cable | Silver | 13.39 | 13.13 | 12.59 | CALL |
| ECF440 | Machine Screws, 4-40 x 5/16", Pkg/100 | | 5.18 | 4.77 | 4.35 | CALL |

USB 2.0 Type A or B Female Panel Mount to Male Latching Type A Connector

Another unique panel mount USB option features a bulkhead Type A or Type B jack to a latching Type A plug attached via USB 2.0 compliant cable. These cables can be directly connected to a mating connector inside an enclosure to provide lock down mating retention with any USB Type A jack. These assemblies are fully shielded and use L-com's popular ECF504 style housing that can be used with virtually any panel thickness. The recommended 4-40 mounting screws must be purchased separately (P/N ECF440). Twisted pair data lines help reduce crosstalk while 20 AWG power conductors enable maximum power transfer from host to peripheral. Custom lengths available upon request with minimal quantity requirements.

| | | | | | | |
|---------------|--|-------|-------|-------|-------|------|
| ECF504-12AAL | USB Type A Coupler, Female Bulkhead/Latching Male, 12in (30.5cm) | Black | 14.03 | 13.75 | 13.19 | CALL |
| ECF504-24AAL | USB Type A Coupler, Female Bulkhead/Latching Male, 24in (61.0cm) | Black | 14.46 | 14.17 | 13.59 | CALL |
| ECF504-36AAL | USB Type A Coupler, Female Bulkhead/Latching Male, 36in (91.4cm) | Black | 14.94 | 14.64 | 14.05 | CALL |
| ECF504-72AAL | USB Type A Coupler, Female Bulkhead/Latching Male, 72in (183.0cm) | Black | 16.28 | 15.95 | 15.30 | CALL |
| ECF504-120AAL | USB Type A Coupler, Female Bulkhead/Latching Male, 120in (305.0cm) | Black | 18.09 | 17.73 | 17.01 | CALL |
| ECF504-12BAL | USB Type B Coupler, Female Bulkhead/Latching Male, 12in (30.5cm) | Black | 14.03 | 13.75 | 13.19 | CALL |
| ECF504-24BAL | USB Type B Coupler, Female Bulkhead/Latching Male, 24in (61.0cm) | Black | 14.46 | 14.17 | 13.59 | CALL |
| ECF504-36BAL | USB Type B Coupler, Female Bulkhead/Latching Male, 36in (91.4cm) | Black | 14.94 | 14.64 | 14.05 | CALL |
| ECF504-72BAL | USB Type B Coupler, Female Bulkhead/Latching Male, 72in (183.0cm) | Black | 16.28 | 15.95 | 15.30 | CALL |
| ECF504-120BAL | USB Type B Coupler, Female Bulkhead/Latching Male, 120in (305.0cm) | Black | 18.09 | 17.73 | 17.01 | CALL |

Panel Mounted USB Type Couplers, 30 Microinches (0.762μm) Gold

These couplers are great for connecting USB style connectors into panels, etc. Available in many USB connector combinations with your choice of shielded and unshielded versions. Unshielded is available in black or ivory, shielded is silver. Recommended 4-40 mounting screws must be purchased separately.

| | | | | | | |
|-------------|---------------------------------------|--------|------|------|------|------|
| ECF504-UAA | USB Type A/Type A Coupler | Ivory | 6.67 | 6.54 | 6.27 | CALL |
| ECF504-UAB | USB Type A/Type B Coupler | Ivory | 6.67 | 6.54 | 6.27 | CALL |
| ECF504-UBA | USB Type B/Type A Coupler | Ivory | 6.67 | 6.54 | 6.27 | CALL |
| ECF504B-UAA | USB Type A/Type A Coupler | Black | 6.67 | 6.54 | 6.27 | CALL |
| ECF504B-UAB | USB Type A/Type B Coupler | Black | 6.67 | 6.54 | 6.27 | CALL |
| ECF504B-UBA | USB Type B/Type A Coupler | Black | 6.67 | 6.54 | 6.27 | CALL |
| ECF504-UAAS | USB Type A/Type A Coupler, Shielded | Silver | 7.79 | 7.64 | 7.32 | CALL |
| ECF504-UABS | USB Type A/Type B Coupler, Shielded | Silver | 7.79 | 7.64 | 7.32 | CALL |
| ECF504-BAS | USB Type B/Type A Coupler, Shielded | Silver | 7.79 | 7.64 | 7.32 | CALL |
| ECF440 | Machine Screws, 4-40 x 5/16", Pkg/100 | | 5.18 | 4.77 | 4.35 | CALL |

USB Panel Mount Adapter - High Retention Connectors, 30 Microinches (0.762μm) Gold

L-com's ECF style High Retention USB adapters provide an easy to use mountable USB solution featuring a high retention connector that provides 50% (minimum) greater connector retention than standard USB connectors. This feature is ideal for applications where mated cables can become detached by jostling, vibration, etc. These adapters are available in B-A, A-A, and A-B connector configurations, and all three feature a shielded housing. L-com's 4-40 screws (PN# ECF440) are used to mount these adapters and are sold separately.

| | | | | | | |
|----------------|---------------------------------------|--------|------|------|------|------|
| ECF504-BAS-HR | USB Type B Female/Type A Female | Silver | 8.30 | 8.13 | 7.80 | CALL |
| ECF504-UAAS-HR | USB Type A Female/Type A Female | Silver | 8.30 | 8.13 | 7.80 | CALL |
| ECF504-UABS-HR | USB Type A Female/Type B Female | Silver | 8.30 | 8.13 | 7.80 | CALL |
| ECF440 | Machine Screws, 4-40 x 5/16", Pkg/100 | | 5.18 | 4.77 | 4.35 | CALL |

USB Type A and B Panel Couplers with 10" Wire Leads, 30 Microinches (0.762μm) Gold

Similar to our ECF504 USB coupler except with wire leads in the rear to connect to equipment. Choose from USB Type A or B jacks in black or ivory. Wires are 20 AWG (2 power) and 24 AWG (2 signal) stranded wires with an additional drain to shield. Recommended 4-40 mounting screws must be purchased separately.

| | | | | | | |
|------------|---------------------------------------|-------|------|------|------|------|
| ECJ504-UA | USB Type A Jack, 10" (25.4cm) Leads | Ivory | 6.01 | 5.89 | 5.65 | CALL |
| ECJ504-UB | USB Type B Jack, 10" (25.4cm) Leads | Ivory | 6.01 | 5.89 | 5.65 | CALL |
| ECJ504B-UA | USB Type A Jack, 10" (25.4cm) Leads | Black | 6.01 | 5.89 | 5.65 | CALL |
| ECJ504B-UB | USB Type B Jack, 10" (25.4cm) Leads | Black | 6.01 | 5.89 | 5.65 | CALL |
| ECF440 | Machine Screws, 4-40 x 5/16", Pkg/100 | | 5.18 | 4.77 | 4.35 | CALL |

| Item # | Description | Color | 1-9 | 10-24 | 25-99 | 100+ |
|---|--|-------|------|-------|-------|------|
| USB Protective Covers with Lanyard - for Type A and B Jacks - Pkg/10 | | | | | | |
| CAP-A-USB-LAN | USB Protective Cover with Lanyard for USB Type A Jacks, Pkg/10 | Black | 8.11 | 7.46 | 6.81 | CALL |
| CAP-B-USB-LAN | USB Protective Cover with Lanyard for USB Type B Jacks, Pkg/10 | Black | 8.11 | 7.46 | 6.81 | CALL |

USB Coil Cable - Type A Latching Connector to Type B Connector, 12.5 Feet (3.8m) Extended

This unique cable assembly features a polyurethane jacketed coil cable plus a latching Type A USB connector providing improved mating retention with any USB Type A jack. The latches lock into the channels on each side of a USB jack when fully mated. Retracted length is approximately 2.5 feet (0.8m) expanding to 12.5 feet (3.8m). Fully shielded and USB 2.0 compliant, this cable contains two 28 AWG power conductors plus one 28 AWG twisted pair for data lines.

| | | | | | | |
|---------|--|-------|-------|-------|-------|------|
| COILUAB | USB Coil Cable, Latching Type A Male/Type B Male | Black | 19.33 | 18.55 | 17.78 | CALL |
|---------|--|-------|-------|-------|-------|------|

Variable Length USB Coil Cable - Mini B 5 Position Male to Female

This innovative USB coil cable from L-com features a retracted length 0.5 meters and an expanded length of two meters and can be used with GPS systems as well as cameras and other peripherals using the USB Mini B5 interface. All 5 mini B positions are connected to insure proper functionality in every application. The tough, durable polyurethane jacket enhances recoil memory and 30 microinch (0.762µm) gold plated contacts provide reliable connections with repeated mating cycles.

| | | | | | | |
|---------------|---|-------|-------|-------|-------|------|
| COILMB5EXT-2M | USB Coil Cable, Mini B 5 Position Male/Female, 0.5m to 2.0m | Black | 13.11 | 12.06 | 11.01 | CALL |
|---------------|---|-------|-------|-------|-------|------|

USB 2.0 Adapters - Molded and Fully Shielded

These adapters provide an economical way for users to solve gender and connector type mismatches among standard USB connectors.

| | | | | | | |
|----------|--|----------|------|------|------|------|
| UAD010MF | USB Adapter, Type A Male/Type B Female | Lt. Gray | 4.97 | 4.87 | 4.68 | CALL |
| UAD011FM | USB Adapter, Type A Female/Type B Male | Lt. Gray | 4.97 | 4.87 | 4.68 | CALL |
| UAD012FF | USB Adapter, Type B Female/Type B Female | Lt. Gray | 4.97 | 4.87 | 4.68 | CALL |
| UAD013FF | USB Adapter, Type A Female/Type B Female | Lt. Gray | 4.97 | 4.87 | 4.68 | CALL |
| UAD014MM | USB Adapter, Type A Male/Type A Male | Lt. Gray | 4.97 | 4.87 | 4.68 | CALL |
| UAD015FF | USB Adapter, Type A Female/Type A Female | Lt. Gray | 4.97 | 4.87 | 4.68 | CALL |
| UAD016MM | USB Adapter, Type B Male/Type B Male | Lt. Gray | 4.97 | 4.87 | 4.68 | CALL |
| UAD017FM | USB Adapter, Type A Female/Mini DIN 6 Male | Green | 4.97 | 4.87 | 4.68 | CALL |
| UAD018MF | USB Adapter, Type A Male/Mini DIN 6 Female | Lt. Gray | 4.97 | 4.87 | 4.68 | CALL |
| UAD019FM | USB Adapter, Type A Female/Mini-B5 Male | Black | 4.97 | 4.87 | 4.68 | CALL |
| UAD026MF | USB Adapter, Type A Male/Female | Lt. Gray | 4.97 | 4.87 | 4.68 | CALL |
| UAD027MF | USB Adapter, Type B Male/Female | Lt. Gray | 4.97 | 4.87 | 4.68 | CALL |

USB 2.0 Micro B Adapters

| | | | | | | |
|----------|---|----------|------|------|------|------|
| UAD030MF | USB Adapter, Micro B Male/Mini B5 Female | Black | 4.97 | 4.87 | 4.68 | CALL |
| UAD031MM | USB Adapter, Micro B Male/Standard A Male | Black | 4.97 | 4.87 | 4.68 | CALL |
| UAD032FM | USB Adapter, Micro B Male/Standard A Female | Lt. Gray | 4.97 | 4.87 | 4.68 | CALL |
| UAD033FM | USB Adapter, Micro B Male/Standard B Female | Lt. Gray | 4.97 | 4.87 | 4.68 | CALL |

USB 3.0 Adapters

| | | | | | | |
|----------|---|------|-------|------|------|------|
| UAD035MF | USB 3.0 Socket Saver, Type A Male/Type A Female | Blue | 10.15 | 9.95 | 9.55 | CALL |
| UAD036FF | USB 3.0 Gender Changer, Type A Female/Type A Female | Blue | 10.15 | 9.95 | 9.55 | CALL |
| UAD037MM | USB 3.0 Gender Changer, Type A Male/Type A Male | Blue | 10.15 | 9.95 | 9.55 | CALL |

USB 3.1 Adapter

| | | | | | | |
|-----------|------------------------|-------|-------|------|------|------|
| UAD31AMCF | USB A to Type C Female | Black | 10.00 | 9.40 | 8.80 | CALL |
|-----------|------------------------|-------|-------|------|------|------|

USB Type A Low Profile Right Angle Adapters

L-com's UADAA90 series low profile right angle USB adapters are perfect for tight fit applications. Two exit options are available allowing cables to exit in opposite directions. These USB adapters are a much lower cost solution when compared to rotating USB adapters.

| | | | | | | |
|-----------|---|----------|------|------|------|------|
| UADBB90-1 | Right Angle USB Adapter, Type B Male/Female, Exit 1 | Lt. Gray | 5.90 | 5.42 | 4.95 | CALL |
| UADBB90-2 | Right Angle USB Adapter, Type B Male/Female, Exit 2 | Lt. Gray | 5.90 | 5.42 | 4.95 | CALL |

USB Type B Low Profile Right Angle Adapters

L-com's UADBB90 series low profile right angle USB adapters feature two exit options allowing cables to exit in opposite directions. Our UADBB90 series USB adapters are a much lower cost solution when compared to rotating USB adapters. Additionally, these robust 90° USB adapters feature 20 AWG power leads for maximum power transfer and 100% shielding throughout for protection against data corrupting EMI/RFI.

| | | | | | | |
|-----------|---|----------|------|------|------|------|
| UADBB90-1 | Right Angle USB Adapter, Type B Male/Female, Exit 1 | Lt. Gray | 5.90 | 5.42 | 4.95 | CALL |
| UADBB90-2 | Right Angle USB Adapter, Type B Male/Female, Exit 2 | Lt. Gray | 5.90 | 5.42 | 4.95 | CALL |

USB 2.0 Mini B5 or Micro B Male to Female Low Profile Right Angle Adapters

L-com's low profile right angle USB adapters are perfect for tight fit applications. Two exit options are available allowing cables to exit in opposite directions. Additionally, these robust 90° USB adapters feature 30 microinch (0.762µm) gold plated contacts to stand up to many mating cycles and 100% shielding throughout for protection against data corrupting EMI/RFI.

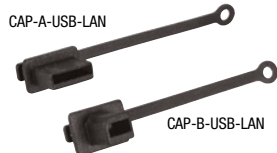
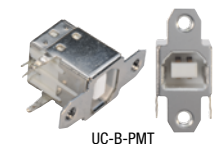
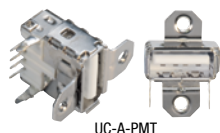
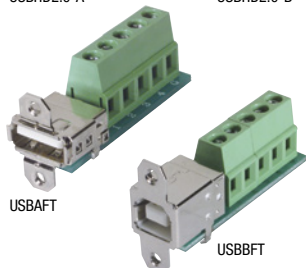
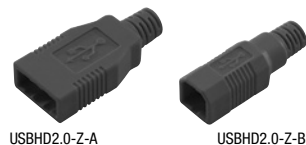
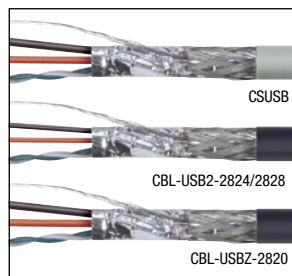
| | | | | | | |
|--------------|--|-------|------|------|------|------|
| UAD2.0MB5-1 | Right Angle USB Adapter, Mini B Male/Female, Exit 1 | Black | 5.90 | 5.42 | 4.95 | CALL |
| UAD2.0MB5-2 | Right Angle USB Adapter, Mini B Male/Female, Exit 2 | Black | 5.90 | 5.42 | 4.95 | CALL |
| UAD2.0MICB-1 | Right Angle USB Adapter, Micro B Male/Female, Exit 1 | Black | 5.90 | 5.42 | 4.95 | CALL |
| UAD2.0MICB-2 | Right Angle USB Adapter, Micro B Male/Female, Exit 2 | Black | 5.90 | 5.42 | 4.95 | CALL |

USB Type C Adapters

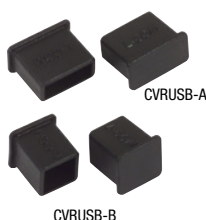
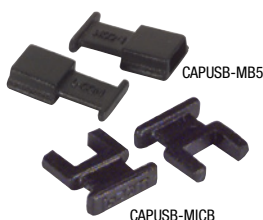
These adapters allow you to use your Type C port with other USB standard interfaces, allowing consumers to use existing peripherals without issue.

| | | | | | | |
|----------|--|-------|-------|-------|-------|------|
| UAD041MF | USB 3.0 Type C Male to USB 3.0 Type A Female | Black | 7.60 | 7.14 | 6.69 | CALL |
| UAD042MF | USB 2.0 Type C Male to USB Micro B Female | Black | 6.76 | 6.35 | 5.95 | CALL |
| UAD043MF | USB 3.1 Type C Male to USB 3.1 Type C Female | Black | 11.55 | 10.86 | 10.16 | CALL |





Best Seller



| Item # | Description | Color | 1-9 | 10-24 | 25-99 | 100+ |
|---|--|----------|--------|--------|--------|------|
| USB Revision 2.0 Compliant Bulk Cable | | | | | | |
| This cable will support the 480 Mbps transmission rate of a USB 2.0 network and is also backward compatible with older, slower USB networks. USB bulk cable features two 20 AWG power conductors plus one 28 AWG twisted pair for the data lines. | | | | | | |
| CSUSB-100 | USB Revision 2.0 Compliant Bulk Cable, 100ft (30.5m) Spool | Lt. Gray | 58.85 | 55.32 | 51.79 | CALL |
| CSUSB-500 | USB Revision 2.0 Compliant Bulk Cable, 500ft (152.4m) Spool | Lt. Gray | 269.92 | 253.73 | 237.53 | CALL |
| CSUSB-1000 | USB Revision 2.0 Compliant Bulk Cable, 1000ft (304.8m) Spool | Lt. Gray | 473.82 | 445.39 | 416.96 | CALL |

USB Revision 2.0 Compliant Bulk Cable

USB bulk cable features two 24 or 28 AWG power conductors plus one 28 AWG twisted pair for the data lines.

| | | | | | | |
|--------------------|--|-------|--------|--------|--------|------|
| CBL-USB2-2824-100 | USB Revision 2.0 Compliant Bulk Cable, 100ft (30.5m) Spool | Black | 42.42 | 39.88 | 37.33 | CALL |
| CBL-USB2-2824-500 | USB Revision 2.0 Compliant Bulk Cable, 500ft (152.4m) Spool | Black | 194.20 | 182.55 | 170.90 | CALL |
| CBL-USB2-2824-1000 | USB Revision 2.0 Compliant Bulk Cable, 1000ft (304.8m) Spool | Black | 347.17 | 326.34 | 305.51 | CALL |
| CBL-USB2-2828-100 | USB Revision 2.0 Compliant Bulk Cable, 100ft (30.5m) Spool | Black | 29.47 | 27.71 | 25.94 | CALL |
| CBL-USB2-2828-500 | USB Revision 2.0 Compliant Bulk Cable, 500ft (152.4m) Spool | Black | 127.18 | 119.55 | 111.92 | CALL |
| CBL-USB2-2828-1000 | USB Revision 2.0 Compliant Bulk Cable, 1000ft (304.8m) Spool | Black | 229.45 | 215.68 | 201.92 | CALL |

LSZH USB Revision 2.0 Compliant Bulk Cable

Halogen free USB bulk cable features two 20 AWG power conductors plus one 28 AWG twisted pair for the data lines. A flexible LSZH jacket covers the braid, foil and drain wire shield.

| | | | | | | |
|--------------------|---|-------|---------|--------|--------|------|
| CBL-USBZ-2820-100 | LSZH USB Revision 2.0 Compliant Bulk Cable, 100ft (30.5m) Spool | Black | 123.59 | 116.17 | 108.76 | CALL |
| CBL-USBZ-2820-500 | LSZH USB Revision 2.0 Compliant Bulk Cable, 500ft (152.4m) Spool | Black | 582.51 | 547.56 | 512.61 | CALL |
| CBL-USBZ-2820-1000 | LSZH USB Revision 2.0 Compliant Bulk Cable, 1000ft (304.8m) Spool | Black | 1059.06 | 995.51 | 931.97 | CALL |

USB Connectors and Hoods, Type A and B

USB connectors and hoods are now available for custom lengths and applications. Connectors feature gold plated solder contacts, nickel-plated steel shells and a UL94V-0 rated housing.

| | | | | | | |
|--------------|----------------------|----------|------|------|------|------|
| USBCN2.0-A | USB Type A Connector | | 1.69 | 1.65 | 1.59 | CALL |
| USBCN2.0-B | USB Type B Connector | | 1.69 | 1.65 | 1.59 | CALL |
| USBHD2.0-Z-A | LSZH USB Type A Hood | Black | 1.09 | 1.07 | 1.02 | CALL |
| USBHD2.0-Z-B | LSZH USB Type B Hood | Black | 1.09 | 1.07 | 1.02 | CALL |
| USBHD2.0-A | USB Type A Hood | Lt. Gray | 0.76 | 0.75 | 0.72 | CALL |
| USBHD2.0-B | USB Type B Hood | Lt. Gray | 0.76 | 0.75 | 0.72 | CALL |

USB Type A and B Female Field Termination Connector

The USB field termination female connectors provide an easy and convenient way to perform field termination for USB applications. USB 2.0 standard A and B connector styles are available. Separate connection points are provided for all 4 positions of the connector plus the ground. Terminal block design with set screws provides reliable electrical connections utilizing no special tools. The terminal block area is clearly marked making proper termination virtually foolproof. Panel mountable using 4-40 screws provided.

| | | | | | | |
|--------|--|--|------|------|------|------|
| USBAFT | USB Field Termination Connector, Type A Female | | 7.24 | 6.81 | 6.37 | CALL |
| USBFT | USB Field Termination Connector, Type B Female | | 7.24 | 6.81 | 6.37 | CALL |

USB Panel Mountable PCB Connectors - Type A and B

This unique L-com design allows an easy, efficient way to mount USB 2.0 Type A and B PCB connectors using 4-40 screws. 30 microinch gold plated contacts insure many mating cycles without compromising performance. These are the same connectors used in our field termination terminal block connectors. PCB connectors sold in packages of 10.

| | | | | | | |
|----------|--------------------------------------|--------|-------|-------|-------|------|
| UC-A-PMT | USB Panel Mount Type A PCB Connector | Silver | 14.81 | 13.92 | 13.03 | CALL |
| UC-B-PMT | USB Panel Mount Type B PCB Connector | Silver | 14.81 | 13.92 | 13.03 | CALL |

USB Type A, B, Mini B5 and Micro B Female Connector Covers - Protect Unused Ports, Pkg/10

These covers are perfect for protecting unused female ports in our panel mount couplers or any expensive equipment from physical damage, dirt and dust. Made from soft ABS, these covers attach easily and stay in place with a snug friction fit.

| | | | | | | |
|-------------|---|-------|------|------|------|------|
| CAPUSB-A | USB Protective Cover for Type A Jacks, Pkg/10 | Black | 7.78 | 7.16 | 6.53 | CALL |
| CAPUSB-B | USB Protective Cover for Type B Jacks, Pkg/10 | Black | 7.78 | 7.16 | 6.53 | CALL |
| CAPUSB-MB5 | USB Protective Cover for Type Mini B5 Jacks, Pkg/10 | Black | 7.78 | 7.16 | 6.53 | CALL |
| CAPUSB-MICB | USB Protective Cover for Type Micro B Jacks, Pkg/10 | Black | 7.78 | 7.16 | 6.53 | CALL |

USB Cable Assembly Male Connector Dust Covers - Pkg/10

These hard to find covers are perfect for protecting unused USB cable assembly connectors from physical damage, dirt and dust. Made from PVC, they attach easily and stay in place with a snug friction fit.

| | | | | | | |
|----------------|---|-------|------|------|------|------|
| CVRUSB-A | USB Protective Cover for USB 2.0 and 3.0 Type A Plugs, Pkg/10 | Black | 6.58 | 6.06 | 5.53 | CALL |
| CVRUSB-B | USB Protective Cover for USB 2.0 Type B Plugs, Pkg/10 | Black | 6.58 | 6.06 | 5.53 | CALL |
| CVRUSB-MB4 | USB Protective Cover for USB 2.0 Type Mini B4 Plugs, Pkg/10 | Black | 6.58 | 6.06 | 5.53 | CALL |
| CVRUSB-MB5 | USB Protective Cover for USB 2.0 Type Mini B5 Plugs, Pkg/10 | Black | 6.58 | 6.06 | 5.53 | CALL |
| CVRUSB-MICB | USB Protective Cover for USB 2.0 Type Micro B Plugs, Pkg/10 | Black | 6.58 | 6.06 | 5.53 | CALL |
| CVRUSB3.0-B | USB Protective Cover for USB 3.0 Type B Plugs, Pkg/10 | Black | 6.58 | 6.06 | 5.53 | CALL |
| CVRUSB3.0-MICB | USB Protective Cover for USB 3.0 Type Micro B Plugs, Pkg/10 | Black | 6.58 | 6.06 | 5.53 | CALL |

USB Protective Covers with Lanyard - for Type A and B Jacks - Pkg/10

These new covers add a lanyard feature to enhance our existing USB cover product line. They are perfect for protecting unused USB female ports in our panel mount couplers or any expensive equipment from physical damage, dirt and dust. The lanyard is perfectly sized to fit the 4-40 screws used in our ECF and UPM panel mount products. Made from soft polyethylene, these covers attach easily and stay in place with a snug friction fit.

| | | | | | | |
|---------------|--|-------|------|------|------|------|
| CAP-A-USB-LAN | USB Protective Cover with Lanyard for USB Type A Jacks, Pkg/10 | Black | 8.11 | 7.46 | 6.81 | CALL |
| CAP-B-USB-LAN | USB Protective Cover with Lanyard for USB Type B Jacks, Pkg/10 | Black | 8.11 | 7.46 | 6.81 | CALL |

| Item # | Description | List Price |
|--|--|------------|
| L-com Isolated and Non-Isolated Inline USB to RS232/RS422/RS485 Converters | | |
| Universal Serial Bus (USB) has become the connectivity workhorse of today's PCs, replacing the familiar serial ports. But many commercial and industrial devices still use RS232 interfaces. To connect these devices to modern PCs you need robust and reliable conversion solutions. At the same time, USB ports are becoming more common on commercial and industrial equipment such as point-of-sale peripherals, medical devices, scientific instrumentation, laboratory equipment and other devices. Sometimes these are used in environments where surges, spikes and ground loops are likely to occur. Get the extended range and multi-drop capability of RS232 or RS422/485 from the USB port of your PC. Isolated models protect PCs and laptops from dangerous surges and spikes on the network. Windows automatically configures the serial output as an additional COM port, compatible with your Windows application. | | |
| LC-USB-422-485 | L-com USB to RS422/485 Term Block, 2kV Isolation | 105.00 |
| LC-USB-485 | L-com USB to RS485 to DB9 Female Connector | 80.00 |
| LC-USB-TB485 | L-com USB to RS485 Term Block | 80.00 |

L-com USB Isolators

At just 2.0 x 1.7 x 0.8 inches (5.1 x 4.3 x 2.0 cm), these isolators pack a powerful punch against electrical noise, surges and spikes - up to 4kV isolation. They protect expensive PCs and equipment from damaging electrical storms, power surges and other high EMI/RFI disturbances. This isolation barrier eliminates ground loops which are disruptive in measurement applications. All models are USB bus powered and provide up to 100mA of current to attached downstream devices when they are attached to a full power (500mA) USB host port.

| | | |
|----------------|---|--------|
| LC-USB-ISO-4KV | L-com USB to USB 1 Port Isolator, 4kV | 105.00 |
| LC-USB-ISO-2KV | L-com USB to USB 1 Port Isolator, 2kV | 79.00 |
| LC-USB-232I | L-com USB to RS232 1 Port Isolator, 2kV | 110.00 |

L-com 4 Port USB 2.0 Industrial Hub

L-com's LC-IND-4USBHUB is a compact, bus powered USB hub that can be securely surface mounted to a panel or wall. This hub utilizes high retention USB ports, which are ideal for high vibration environments, and has a wide operating temperature (-40 to 80C) for harsh conditions.

| | | |
|----------------|--------------------------------------|--------|
| LC-IND-4USBHUB | L-com USB 2.0 Industrial Hub, 4 Port | 109.00 |
|----------------|--------------------------------------|--------|

USB Conversion

USB has quickly become the defacto PC/Peripheral data interface of the 21st century. Data transfer speeds have rapidly increased from the original USB 1.1 specification of 12 Mbps (Released in 1998) to the then astounding Hi-Speed USB 2.0 specification of 480 Mbps (Released in 2000) and now the revolutionary SuperSpeed USB 3.0 specification of 5 Gbps (Released in 2008) is finally becoming more common on most new Desktop/Laptop computers, external storage devices and peripherals.

However, there are a wide array of legacy devices that many still need to interact with due to infrastructure demands or upgrade costs. The versatility of the USB protocol allows for a variety of conversion products to accommodate these devices and allows them to communicate with today's computer equipment.

USB conversion products are available to replicate the standard RS232 serial port(s) found on older computer systems. Conversion products are also available to replicate IEEE-1284 parallel printer ports as well as older PS/2 Mini-Din Keyboard and Mouse interfaces that were also quite common on older computers, allowing for the continued use of older peripherals. There are even conversion products available for more exotic industrial interfaces like IEEE-488 (GPIB).

USB to RS232 Converter Cable

This easy to install USB to serial converter allows you to connect a USB port on a PC or laptop to legacy RS232 devices such as PDAs, GPS systems etc. This USB to serial converter features DB9 male connectors for the RS232 connection and a USB type A Male connector for the PC or Laptop connection. Each USB to serial converter ships with a driver/installation CD.

| | | |
|---------|---------------------------------------|-------|
| UMC-201 | USB to RS232 Converter Cable, 1 meter | 33.14 |
|---------|---------------------------------------|-------|

USB to RS232 Converters 2 and 4 Port

These easy to install converters allow you to connect a USB port on a PC or laptop to legacy RS232 devices such as PDAs, GPS systems etc. These converters feature DB9 male connectors for the RS232 connection and a USB type A Male connector for the PC or laptop connection. Each converter ships with a driver/installation CD.

| | | |
|---------|--|-------|
| UMC-102 | USB to RS232 Converter, 2 RS232 DB9 Male | 48.68 |
| UMC-104 | USB to RS232 Converter, 4 RS232 DB9 Male | 81.84 |

USB to IEEE 1284 Printer Port Converter Cable

UC1284B is a USB to parallel port converter. It converts the USB on PCs, notebook PCs and handheld computing devices into a parallel port for printer connection.

| | | |
|---------|---|-------|
| UC1284B | USB to IEEE 1284 Printer Port Converter Cable, 6.0ft (1.8m) | 30.03 |
|---------|---|-------|

Tripp Lite USB to PS/2 Adapter

Tripp Lite's TL-U219-000R USB to PS/2 adapter is a fast, easy way to connect a PS/2 keyboard and mouse to the USB ports on a computer. This USB converter includes foil shielding for reliable error-free data communication. **As an authorized Tripp Lite reseller, we can bid on RFQs for any Tripp Lite part numbers. Contact us to request a non-obligatory quote.**

| | | |
|--------------|--------------------------------|-------|
| TL-U219-000R | Tripp Lite USB to PS/2 Adapter | 20.70 |
|--------------|--------------------------------|-------|

USB to GPIB Converter Cable

The USB-488 is a USB to GPIB controller module that converts any PC with a USB interface into a full-function, IEEE 488.2 Bus Controller. The unit performs all of the basic IEEE-488.1 functions such as talker, listener and system controller. Its IEEE-488.2 controller routines make it fully compliant with the IEEE 488.2 specification. The USB-488 module is a Plug and Play USB peripheral that supports Microsoft Windows 98SE/ME/2000/XP operating systems. The driver includes National Instruments' style 488.1 'ib' and 488.2 command Sets. Additionally the driver provides support for Visual Basic and C/C++ language programs and is compatible with National Instruments' VISA and LabView.

| | | |
|---------|-----------------------------|--------|
| USB-488 | USB to GPIB Converter Cable | 533.62 |
|---------|-----------------------------|--------|



LC-USB-422-485



LC-USB-TB485



LC-USB-ISO-4KV



LC-IND-4USBHUB



UMC-201

UMC-104
(Front view)UMC-104
(Back view)

UC1284B



TL-U219-000R



USB-488



USB-HUB-3.0



ST4300USBM



US421A



TL-U233-006-MP-R



TL-U344-001-R



TL-U344-001-DP



TL-U026-016



W01-EXT-USB-50



W02-EXT-USB2-50

| Item # | Description | List Price |
|-------------|--------------------|------------|
| USB-HUB-3.0 | 4 Port USB 3.0 Hub | 43.50 |

USB 3.0 4 Port Hub

Perfect for sharing USB 3.0 resources such as USB scanners, card reader, and USB attached external storage, the USB-HUB-3.0 provides lightning fast USB connections at an affordable price. This plug and play USB 3.0 hub installs in seconds and is compatible with Windows SE/ME/2000/XP/VISTA/7. Ships with 5V DC power supply and 3.5 foot (1.07m) USB 3.0 cable.

4 Port Rugged Industrial USB 3.0 Hub (Mountable)

The ST4300USBM Mountable 4-Port Industrial USB Hub (USB 3.0) offers a simple way to expand a system's current USB capability by providing 4 additional external USB 3.0 ports from a single USB 3.0 host connection, with speeds up to 5 Gbps.

| | | |
|------------|-------------------------------|--------|
| ST4300USBM | 4 Port USB 3.0 Industrial Hub | 112.98 |
|------------|-------------------------------|--------|

ATEN 2/4 Port USB 2.0 Peripheral Switch

The US221A/US421A is a 2/4 Port USB 2.0 Peripheral Switch that allows up to 2/4 computers to share the use of a single USB peripheral device (such as a printer, scanner, mass storage drive, etc.) on a one-at-a-time basis. **As an authorized ATEN reseller, we can bid on RFQs for any ATEN part numbers. Contact us to request a non-obligatory quote.**

| | | |
|--------|--------------------------------|-------|
| US221A | ATEN 2.0 2-Port A/B Switch | 28.99 |
| US421A | ATEN 2.0 4-Port A/B/C/D Switch | 39.35 |

Tripp Lite USB 2.0 Data Transfer Cable

Tripp Lite's U233-006-MP-R 6 ft. High-Speed USB Windows/Mac File Transfer Cables is the premier file and data sharing solution for Windows and MAC users. The GoSuite utility software is already embedded on the High-Speed USB File Transfer Cable and will automatically load onto your system. Transfer e-mail, music, photos, videos and document files from one computer to another, at speeds up to 480 Mbps. Compatible with Mac OS X 10.4 through 10.9, and Windows 2000 through 8 operating systems, the U233-006-MP-R is ideal for those transferring important files to a new computer and also allows you to quickly transfer music or video files to a friend's computer. **As an authorized Tripp Lite reseller, we can bid on RFQs for any Tripp Lite part numbers. Contact us to request a non-obligatory quote.**

| | | |
|------------------|--|-------|
| TL-U233-006-MP-R | Tripp Lite USB 2.0 Data Transfer Cable | 39.32 |
|------------------|--|-------|

Tripp Lite USB 3.0 to Video Adapters (VGA/DVI/HDMI/DP), Add Additional Video Output Options to your PCs

Tripp Lite's U344-001 Series of Video Adapters enables you to add additional video outputs to your Notebook/Laptop or Desktop PCs. Using USB 3.0's High Speed and Bandwidth; they provide reliable and high quality images in a simple 2-step process. First step is to install the driver software; the second is to connect the selected video adapter to your computer with a standard USB 3.0 cable assembly. You can connect up to six adapters to one computer allowing you to set up multiple screen solutions and providing enhanced flexibility in how you choose to display your data and greatly improving productivity. The VGA/DVI & HDMI models support max resolutions up to (2048X1152) and the DisplayPort model supports a max resolution of (2560x1600). Small physical footprint enhances portability. USB Port Powered, no external power required, fully supports Windows XP/Vista/7/8 as well as Intel Based Mac's using OS 10.8 and above. **As an authorized Tripp Lite reseller, we can bid on RFQs for any Tripp Lite part numbers. Contact us to request a non-obligatory quote.**

| | | |
|------------------|--|--------|
| TL-U344-001-R | USB 3.0 to VGA/DVI Adapter, Max Resolution (2048X1152) | 112.98 |
| TL-U344-001-HD-R | USB 3.0 to HDMI Adapter, Max Resolution (2048X1152) | 104.98 |
| TL-U344-001-DP | USB 3.0 to DisplayPort Adapter, Max Resolution (2560x1600) | 124.98 |

Tripp Lite USB 2.0 Active Extension Cable Type A Male - Female 5 Meter

The TL-U026-016 is a 16 ft. USB certified 2.0 active extension cable that is Bus Powered and can be used to increase the length of a USB device without the worry of signal loss and potential performance problems. USB limits a cable's length to 16 feet. Any length over 16 feet requires the use of an active cable such as this one. This cable has a signal booster built in. The overall cable length can be extended up to 80 feet by daisy chaining up to 5 of these active cables. The cable must be plugged directly into a USB port, either on the PC or a hub. **As an authorized Tripp Lite reseller, we can bid on RFQs for any Tripp Lite part numbers. Contact us to request a non-obligatory quote.**

| | | |
|-------------|---|-------|
| TL-U026-016 | Tripp Lite USB 2.0 Active Extension Cable, Type A Male - Female, 5.0m | 26.98 |
|-------------|---|-------|

USB Extender - Extends USB Signals to 50 Meters

Extend USB signals up to 50 meters using standard Cat5e (or better) cable. This competitively priced USB extender features a built in buffer and actively regenerates USB signals to preserve data integrity. These extenders are great for use with security and surveillance video, PC digital audio systems and other devices with USB interface that are located in far away locations.

| | | |
|----------------|--------------|-------|
| W01-EXT-USB-50 | USB Extender | 45.57 |
|----------------|--------------|-------|

USB 2.0 Extender - Extends up to 50 Meters over UTP

Send USB 2.0 signals up to 50 meters using standard Cat5e/6 solid conductor cables. Our competitively priced, plug and play USB extender features a built in buffer and actively regenerates USB signals to preserve data integrity. These extenders are great for use with security and surveillance video, PC digital audio systems and other devices with USB interface that are located in remote locations.

| | | |
|-----------------|------------------|--------|
| W02-EXT-USB2-50 | USB 2.0 Extender | 101.55 |
|-----------------|------------------|--------|

Icron Technologies' USB Extenders with ExtremeUSB® Technology

When you need your USB devices to operate at distances beyond five meters from the computer or source host, rely on ExtremeUSB® – the industry recognized premium standard for USB extension.

ExtremeUSB extension incorporates numerous innovative patented technologies working together to provide transparent USB extension across all Operating Systems (Windows®, OS X® and Linux®) without the requirement of additional software drivers. Whether extending USB 1.1, 2.0, 3.0 or uncompressed Full High Definition Video with USB, Icron Technologies extenders provide reliable USB extension over CAT 5e/6/7, Local Area Network or fiber up to 10km. Choose ExtremeUSB for Plug and Play installation and installers will never have to return to the jobsite once the job is done.

All Icron USB extender solutions include the ExtremeUSB® suite of features:

- Transparent USB extension
- True plug and play (no software drivers)
- Compatibility with all major operating systems

**EXTREME
USB®**

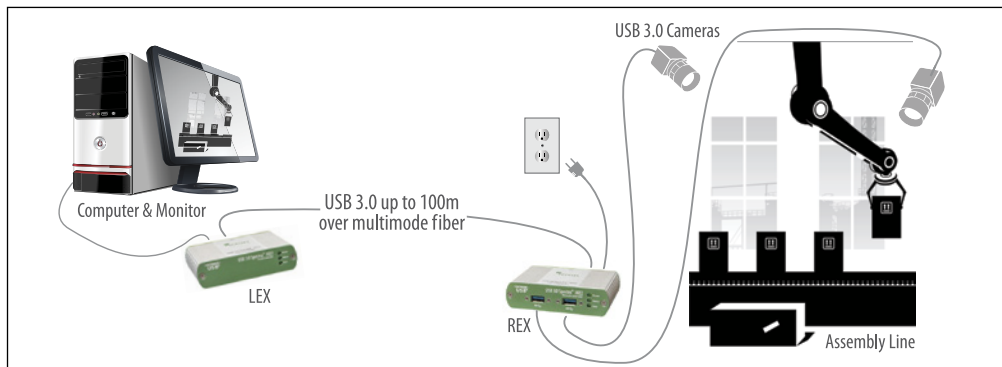
Icron's USB Extenders

| Item# | USB | USB Extender Model | Max Distance | Transmission Media | USB Port(s) | Power Adapter Location | List Price |
|---------------|-----------|----------------------------|--------------|--|-------------|------------------------------------|------------|
| ICR3104 | USB 3-2-1 | USB 3-2-1 Raven® 3104 | 330ft/100m | CAT 6a/7 | 4 | Remote and Local Extender | 968.00 |
| ICR3124 | USB 3-2-1 | USB 3-2-1 Raven® 3124 | 660ft/200m | Multimode Fiber | 4 | Remote and Local Extender | 1198.00 |
| ICR3022 | USB 3.0 | USB 3.0 Spectra™ 3022 | 330ft/100m | Multimode Fiber | 2 | Remote Extender | 766.77 |
| ICR3001-15 | USB 3.0 | USB 3.0 Spectra™ 3001-15 | 49ft/15m | Active Copper Cable | 1 | Bus-Powered | 284.93 |
| ICR2304GE-LAN | USB 2.0 | USB 2.0 Ranger® 2304GE-LAN | 330ft/100m | CAT 5e/6/7 or Local Area Network (LAN) | 4 | Remote Extender | 404.10 |
| ICR2304 | USB 2.0 | USB 2.0 Ranger® 2304 | 330ft/100m | CAT 5e/6/7 | 4 | Remote Extender | 357.47 |
| ICR2301GE-LAN | USB 2.0 | USB 2.0 Ranger® 2301GE-LAN | 330ft/100m | CAT 5e/6/7 or Local Area Network (LAN) | 1 | Remote Extender | 364.98 |
| ICR2301 | USB 2.0 | USB 2.0 Ranger® 2301 | 330ft/100m | CAT 5e/6/7 | 1 | Remote Extender | 336.74 |
| ICR2344 | USB 2.0 | USB 2.0 Ranger® 2344 | 6.2mi/10km | Singlemode Fiber | 4 | Remote Extender | 974.98 |
| ICR2324 | USB 2.0 | USB 2.0 Ranger® 2324 | 1,640ft/500m | Multimode Fiber | 4 | Remote Extender | 874.98 |
| ICR2312 | USB 2.0 | USB 2.0 Ranger® 2312 | 330ft/100m | CAT 5e/6/7 | 2 | Flexible: Local or Remote Extender | 377.98 |
| ICR2311 | USB 2.0 | USB 2.0 Ranger® 2311 | 330ft/100m | CAT 5e/6/7 | 1 | Flexible: Local or Remote Extender | 322.98 |
| ICR2850 | USB 1.1 | USB 1.1 Rover® 2850 | 279ft/85m | CAT 5e/6/7 | 2 | Bus-Powered | 86.00 |
| ICR1850 | USB 1.1 | USB 1.1 Rover® 1850 | 279ft/85m | CAT 5e/6/7 | 1 | Bus-Powered | 76.16 |

Icron's KVM Extenders

| Item# | USB | KVM Extender Model | Max Distance | Transmission Media | USB Port(s) | Power Adapter Location | List Price |
|------------|-----------------|-----------------------|--------------|--------------------|-------------|----------------------------|------------|
| ICR-EL5353 | USB 2.0 + Video | EL5353 DVI + USB 2.0 | 330 ft/100m | CAT 5e/6/7 | 3 | Local and Remote Extenders | 865.21 |
| ICR-EL5363 | USB 2.0 + Video | EL5363 HDMI + USB 2.0 | 330 ft/100m | CAT 5e/6/7 | 3 | Local and Remote Extenders | 865.21 |

Note: Icron USB and KVM extenders shown above reflect the most current models. Please contact L-com for supply status on legacy models.



A USB extender system is designed to overcome a cable distance limitation of five meters for USB 2.0 and approximately three meters for USB 3.0 (also known as USB 3.1 Gen 1). The system typically consists of a pair of extender units: a Local extender unit connected to a host such as a computer, and a Remote extender unit connected to USB peripherals such as keyboard, mouse, flash drive or camera. These two extender points are joined by transmission link cable such as CAT 5e/6/7, Local Area Network, or fiber to provide an extension connection at the required distance.

New

LEX
ICR3104
REX



ICR3001-15

LEX
ICR2304GE-LAN
REX



LEX
ICR2301GE-LAN
REX



LEX
ICR2324
REX



LEX
ICR2311
REX



LEX
ICR2850
REX



REX
LEX
ICR1850



ICR-EL5353



Firewire, DIN, SCSI, SATA Tutorial

What is Firewire?

Firewire is a high speed communication interconnect standard defined by IEEE-1394. It was originally developed to connect PCs to other PCs or to peripherals such as digital cameras, camcorders, scanners, etc. An attractive advantage is the devices are hot pluggable (live connection/disconnection without data loss or interruption).

What is SCSI?

Small Computer System Interface or SCSI is a standard and interface for transferring data between PCs and peripherals such as disk drives. Some SCSI interfaces are also found on peripherals such as scanners and CD drives.

What is SATA?

SATA or Serial ATA is a storage interface used to connect laptop and desktop computers or external mass storage devices such as a hard disk drives or optical drives. SATA can support data transfer rates as high as 3.0 Gbps per device (depending on hardware used).

What is eSATA?

eSATA or external SATA, was developed in 2004 to provide external high speed connectivity to external storage devices. eSATA technology supports hot plugging and a maximum cable length of 2 meters.

What are DIN and Mini DIN?

DIN stands for Deutsches Institut für Normung which is the German standards organization that developed this interface. DIN connectors are available in many configurations from 3 to 9 positions. Also there are several different versions of the 5 pin connector where the angle of the arc swept between the first and last pin can be 180°, 240° or 270°. The most common uses for DIN connectors are analog audio, AT keyboard and mouse connections and MIDI applications.

Mini DIN connectors were also developed by Deutsches Institut für Normung. These connectors are similar to the DIN series but feature a smaller diameter connector and are available in different styles (pin counts and pin orientation). Some popular applications for Mini DIN connectors include S-Video and PS/2 Keyboard and mouse interconnects.

Common Connector Types

• SATA, eSATA,



Serial ATA Latching

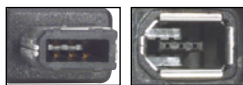


Serial ATA

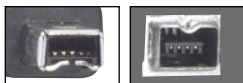


External Serial ATA

• Firewire



- Type 1 (6 position) connectors are typically located on computers and hubs.



- Type 2 (4 position) connectors are commonly found on peripheral devices.



- Type B (9 position) connectors are commonly found on computers and hubs.

• DIN and Mini DIN



- 6 Pin Mini DIN PS/2 Keyboards and Mice



- 5 Pin DIN AT Keyboards



- 8 Pin Mini DIN Macintosh Peripherals

• SCSI



.8mm Male



HPDB50 Male



HPDB68 Male



DB50 Male



CN50 Male



CN50 Female

Common Applications

SCSI, SATA, eSATA



Hard Disk Drive



External Storage



Camera



Scanner



Camcorder



Keyboard and Mouse



MIDI



S-Video

Firewire

DIN and Mini DIN

| Item # | Description | 1-9 | 10-24 | 25-99 | 100+ |
|--------|-------------|-----|-------|-------|------|
|--------|-------------|-----|-------|-------|------|

Serial ATA (SATA) Cable Assemblies with Latching Connectors - Straight and Right Angle Connectors

L-com's latching Serial ATA cable assemblies provide a secure connection every time. These SATA assemblies feature two shielded 26 AWG pairs in a PVC jacket, gold plated contacts and two straight polarized seven position connectors. Both straight to straight and straight to right angle versions are offered. Custom lengths are available with modest minimum requirements. Call us today with your custom SATA requirements.

| | | | | | |
|------------|---|------|------|------|------|
| CASATAL-8 | Latching Serial ATA Cable, Straight/Straight, 8.0in (20.3cm) | 4.09 | 3.77 | 3.44 | CALL |
| CASATAL-12 | Latching Serial ATA Cable, Straight/Straight, 12.0in (30.4cm) | 4.30 | 3.96 | 3.61 | CALL |
| CASATAL-16 | Latching Serial ATA Cable, Straight/Straight, 16.0in (40.6cm) | 4.56 | 4.19 | 3.83 | CALL |
| CASATAL-18 | Latching Serial ATA Cable, Straight/Straight, 18.0in (45.7cm) | 4.66 | 4.29 | 3.92 | CALL |
| CASATAL-24 | Latching Serial ATA Cable, Straight/Straight, 24.0in (61.0cm) | 5.03 | 4.62 | 4.22 | CALL |
| CASATAL-36 | Latching Serial ATA Cable, Straight/Straight, 36.0in (91.4cm) | 5.75 | 5.29 | 4.83 | CALL |

| | | | | | |
|-------------|--|------|------|------|------|
| CASATARL-8 | Latching Serial ATA Cable, Straight/Right Angle, 8.0in (20.3cm) | 4.66 | 4.29 | 3.92 | CALL |
| CASATARL-12 | Latching Serial ATA Cable, Straight/Right Angle, 12.0in (30.4cm) | 4.87 | 4.48 | 4.09 | CALL |
| CASATARL-16 | Latching Serial ATA Cable, Straight/Right Angle, 16.0in (40.6cm) | 5.08 | 4.67 | 4.26 | CALL |
| CASATARL-18 | Latching Serial ATA Cable, Straight/Right Angle, 18.0in (45.7cm) | 5.18 | 4.77 | 4.35 | CALL |
| CASATARL-24 | Latching Serial ATA Cable, Straight/Right Angle, 24.0in (61.0cm) | 5.60 | 5.15 | 4.70 | CALL |
| CASATARL-36 | Latching Serial ATA Cable, Straight/Right Angle, 36.0in (91.4cm) | 6.27 | 5.77 | 5.27 | CALL |

Serial ATA Cable Assemblies - Straight to Straight and Straight to Right Angle Connectors

These cables feature two shielded 26 AWG pairs in a PVC jacket, gold plated contacts and polarized seven position connectors. Available in straight to straight and straight to right angle connector orientations in lengths of 0.5 and 1 meter.

| | | | | | |
|------------|---|------|------|------|------|
| CASATA-05M | Serial ATA Cable, Straight/Straight, 0.5m | 4.66 | 4.29 | 3.92 | CALL |
| CASATA-1M | Serial ATA Cable, Straight/Straight, 1.0m | 5.75 | 5.29 | 4.83 | CALL |

| | | | | | |
|-------------|--|------|------|------|------|
| CASATAR-05M | Serial ATA Cable, Straight/Right Angle, 0.5m | 5.18 | 4.77 | 4.35 | CALL |
| CASATAR-1M | Serial ATA Cable, Straight/Right Angle, 1.0m | 6.27 | 5.77 | 5.27 | CALL |

Serial ATA Extension Cable Assemblies (SATA) - Male to Female Connectors

These handy cables can be used to extend SATA cables as well as to create space in tightly packed areas where bulky disk-on-modules (DOMs) are difficult to connect. These cables feature a bright red PVC jacket, gold contacts and are fully shielded.

| | | | | | |
|--------------|--|------|------|------|------|
| CASATAEXT-12 | Serial ATA Extension Cable, 12" (30.4cm) | 4.97 | 4.58 | 4.18 | CALL |
| CASATAEXT-20 | Serial ATA Extension Cable, 20" (50.8cm) | 5.54 | 5.10 | 4.66 | CALL |

External Serial ATA Cable Assemblies - Fully Shielded, Protect Against EMI/RFI

L-com's CAESA series of external Serial ATA cables provide fast data transfer speeds for external storage devices. SATA is now available "outside the box". These fully shielded cables provide extra protection from EMI/RFI and support speeds up to three Gigabits per second.

| | | | | | |
|-----------|--|-------|-------|-------|------|
| CAESA-05M | External Serial ATA Cable Assembly, 0.5m | 7.82 | 7.35 | 6.88 | CALL |
| CAESA-1M | External Serial ATA Cable Assembly, 1.0m | 8.91 | 8.38 | 7.84 | CALL |
| CAESA-2M | External Serial ATA Cable Assembly, 2.0m | 11.55 | 10.86 | 10.17 | CALL |

External Serial ATA to Latching SATA II Cable Assemblies, Fully Shielded

L-com's CAESA2 series of External SATA to SATA II latching cable assemblies connect eSATA external drives/enclosures to SATA II enabled systems.

| | | | | | |
|------------|--|-------|-------|-------|------|
| CAESA2-05M | eSATA to SATA II Latching Cable Assembly, 0.5m | 8.29 | 7.79 | 7.29 | CALL |
| CAESA2-1M | eSATA to SATA II Latching Cable Assembly, 1.0m | 9.48 | 8.91 | 8.34 | CALL |
| CAESA2-2M | eSATA to SATA II Latching Cable Assembly, 2.0m | 11.86 | 11.15 | 10.44 | CALL |

SATA and eSATA Connector Covers for Male and Female Connectors, Pkg/10

These hard to find covers are perfect for protecting unused connector ports in any equipment as well as cable assembly connectors. These covers attach easily and stay in place with a snug friction fit. Color is black.

| | | | | | |
|-----------|---|------|------|------|------|
| CVR-SATA | Protective Cover for SATA Cable Assembly Connector, Pkg/10 | 6.58 | 6.05 | 5.53 | CALL |
| CVR-ESATA | Protective Cover for eSATA Cable Assembly Connector, Pkg/10 | 6.58 | 6.05 | 5.53 | CALL |
| CAPSATA | Protective Cover for SATA Computer/Connector Ports, Pkg/10 | 7.77 | 7.15 | 6.53 | CALL |
| CAP-ESATA | Protective Cover for eSATA Computer/Connector Ports, Pkg/10 | 7.77 | 7.15 | 6.53 | CALL |

Slim SATA Cables

Slim SATA cables are now available for slimline SATA drives. A compact power and data connector plugs directly into the slimline data drive and splits into a standard latching SATA cable plus a 4 position power connector.

| | | | | | |
|----------|-------------------------------|------|------|------|------|
| CASSA-8 | Slim SATA Cable, 8" (20.3cm) | 8.96 | 8.25 | 7.53 | CALL |
| CASSA-18 | Slim SATA Cable, 18" (45.7cm) | 9.53 | 8.77 | 8.01 | CALL |



CASATAL



CASATARL



CASATA-M



CASATAR-M



CASATAEXT



CAESA

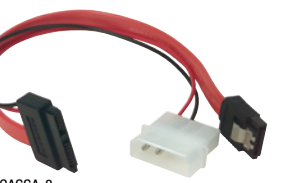


CAESA2



CVR-SATA

CAP-ESATA

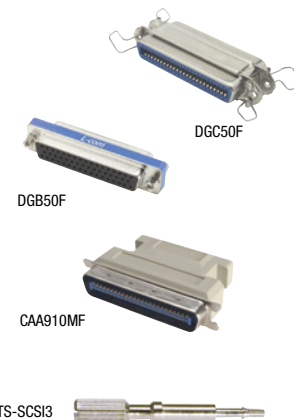
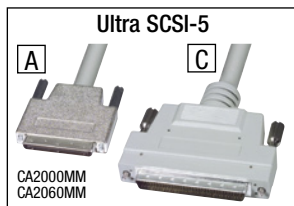


CASSA-8

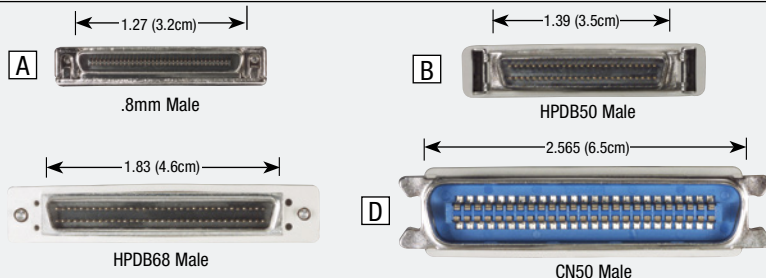
Making cable choices

To minimize the possibility of timing errors (skewing) always attempt to minimize the total bus length which includes the internal cables. When making cabling choices, consider the following recommended parameters for SCSI systems:

| | DATA RATE | MAXIMUM BUS LENGTH | DEVICES SUPPORTED |
|--------|-----------|--------------------|-------------------|
| SCSI-1 | 5 Mbps | 6 meters | 8 devices |
| SCSI-2 | 10 Mbps | 6 meters | 8 devices |
| SCSI-3 | 20 Mbps | 3 meters | 15/31 devices |
| SCSI-5 | 40 Mbps | 3 meters | 8 devices |



Codes for SCSI Connector Ends



| Item # | Description | # Prs | Code | 1-9 | 10-24 | 25-99 | 100+ |
|--------|-------------|-------|------|-----|-------|-------|------|
|--------|-------------|-------|------|-----|-------|-------|------|

Ultra SCSI (SCSI-5) Cables with .8mm Pitch High-Density Connectors, Offset Backshells

Many SCSI devices utilize the VHDCI (Very High Density Cable Interconnect) standard. The high performance standard and the mechanical precision of this connector system make workmanship absolutely critical.

| | | | | | | | |
|--------------|--|----|-----|--------|--------|--------|------|
| CA2000MM-05M | Ultra SCSI Cable, .8mm Male/Male, 0.5m | 34 | A-A | 86.74 | 85.01 | 81.54 | CALL |
| CA2000MM-1M | Ultra SCSI Cable, .8mm Male/Male, 1.0m | 34 | A-A | 91.87 | 90.03 | 86.36 | CALL |
| CA2000MM-2M | Ultra SCSI Cable, .8mm Male/Male, 2.0m | 34 | A-A | 102.07 | 100.03 | 95.95 | CALL |
| CA2000MM-3M | Ultra SCSI Cable, .8mm Male/Male, 3.0m | 34 | A-A | 112.27 | 110.03 | 105.54 | CALL |

| | | | | | | | |
|--------------|---|----|-----|--------|--------|-------|------|
| CA2060MM-05M | Ultra SCSI Cable, .8mm Male/HPDB68 Male, 0.5m | 34 | A-C | 78.59 | 77.02 | 73.88 | CALL |
| CA2060MM-1M | Ultra SCSI Cable, .8mm Male/HPDB68 Male, 1.0m | 34 | A-C | 83.83 | 82.16 | 78.80 | CALL |
| CA2060MM-2M | Ultra SCSI Cable, .8mm Male/HPDB68 Male, 2.0m | 34 | A-C | 94.32 | 92.43 | 88.66 | CALL |
| CA2060MM-3M | Ultra SCSI Cable, .8mm Male/HPDB68 Male, 3.0m | 34 | A-C | 104.81 | 102.71 | 98.52 | CALL |

Standard Grade SCSI-3 Cables - Fully Molded and Shielded

All SCSI-3 cables are fully populated with 34 twisted pairs. The high density DB68 connectors utilize 2-56 threaded screws for mounting.

| | | | | | | | |
|-------------|--------------------------------------|----|-----|-------|-------|-------|------|
| CA900MM-05M | SCSI-3 Cable, HPDB68 Male/Male, 0.5m | 34 | C-C | 41.26 | 37.96 | 34.66 | CALL |
| CA900MM-1M | SCSI-3 Cable, HPDB68 Male/Male, 1.0m | 34 | C-C | 46.62 | 42.89 | 39.16 | CALL |
| CA900MM-2M | SCSI-3 Cable, HPDB68 Male/Male, 2.0m | 34 | C-C | 57.39 | 52.80 | 48.21 | CALL |

Premium Grade SCSI-3 Cables with Ferrite Cores - Reduce Noise Problems

Frequent OEM requests have prompted us to add a premium SCSI-3 cable utilizing ferrite cores to the line. Molded ferrites reduce radiated emissions and undesirable currents within the shield. These cables can be helpful in passing today's tough emissions standards.

| | | | | | | | |
|--------------|--|----|-----|-------|-------|-------|------|
| CAF900MM-05M | SCSI-3 Cable, HPDB68 Male/Male with Ferrites, 0.5m | 34 | C-C | 55.62 | 51.17 | 46.72 | CALL |
| CAF900MM-1M | SCSI-3 Cable, HPDB68 Male/Male with Ferrites, 1.0m | 34 | C-C | 60.98 | 56.10 | 51.22 | CALL |
| CAF900MM-2M | SCSI-3 Cable, HPDB68 Male/Male with Ferrites, 2.0m | 34 | C-C | 71.75 | 66.01 | 60.27 | CALL |
| CAF900MM-3M | SCSI-3 Cable, HPDB68 Male/Male with Ferrites, 3.0m | 34 | C-C | 82.52 | 75.92 | 69.32 | CALL |

Low Smoke Zero Halogen SCSI-3 Cable Assemblies

These cables meet the requirements of SCSI-3 systems. The high density DB68 SCSI connectors use 2-56 threaded thumbscrews for mounting. Cable assembly construction features 30 microinch gold plated copper alloy contacts, die cast zinc alloy hoods, 28 AWG polypropylene insulated conductors, foil/braid shield and a LSZH outer jacket. Color is black. L-com will manufacture custom cable assemblies with modest minimum requirements.

| | | | | | | | |
|--------------|---|----|-----|--------|--------|--------|------|
| CAUZ900MM-1M | LSZH SCSI-3 Cable, HPDB68 Male/Male, 1.0m | 34 | C-C | 116.93 | 109.92 | 102.90 | CALL |
| CAUZ900MM-2M | LSZH SCSI-3 Cable, HPDB68 Male/Male, 2.0m | 34 | C-C | 137.68 | 129.42 | 121.16 | CALL |
| CAUZ900MM-3M | LSZH SCSI-3 Cable, HPDB68 Male/Male, 3.0m | 34 | C-C | 158.31 | 148.81 | 139.31 | CALL |

SCSI-2 Computer Cables - Molded, Shielded and Compatible with Differential SCSI-2

These differential SCSI-2 cables utilize 25 twisted pair cable and half pitch DB50 connectors. Half pitch connector housings connect via spring locking latches. All cables are fully molded and have foil and copper braid shielding. Lengths are measured in meters.

| | | | | | | |
|-----------|--|-----|-------|-------|-------|------|
| CA801-05M | SCSI-2 Molded Cable HPDB50 Male/Male, 0.5m | B-B | 33.61 | 31.60 | 29.58 | CALL |
| CA801-1M | SCSI-2 Molded Cable HPDB50 Male/Male, 1.0m | B-B | 38.74 | 36.42 | 34.09 | CALL |
| CA801-2M | SCSI-2 Molded Cable HPDB50 Male/Male, 2.0m | B-B | 51.74 | 48.63 | 45.53 | CALL |
| CA801-3M | SCSI-2 Molded Cable HPDB50 Male/Male, 3.0m | B-B | 63.36 | 59.56 | 55.76 | CALL |

Differential SCSI-1 Cables - Fully Populated, 25 Twisted Pairs, Molded and Shielded

These differential SCSI-1 cables are built to the 25 pair standard used with most SCSI-1 equipment. The differential interface on the equipment allows longer distances to be achieved by sending information simultaneously along two pairs of wires. CN50 cables are fully molded and utilize 26 AWG twisted pairs with foil shielding throughout. Cable length is measured in meters.

| | | | | | | |
|-------------|---|-----|-------|-------|-------|------|
| CA751MM-05M | SCSI-1 Molded Cable, CN50 Male/Male, 0.5m | D-D | 39.88 | 37.49 | 35.10 | CALL |
| CA751MM-1M | SCSI-1 Molded Cable, CN50 Male/Male, 1.0m | D-D | 49.57 | 46.60 | 43.62 | CALL |
| CA751MM-2M | SCSI-1 Molded Cable, CN50 Male/Male, 2.0m | D-D | 68.83 | 64.70 | 60.57 | CALL |
| CA751MM-3M | SCSI-1 Molded Cable, CN50 Male/Male, 3.0m | D-D | 88.10 | 82.81 | 77.53 | CALL |

SCSI Gender Changers and Adapters

Several models are now offered to satisfy most common applications. Gender changers allow mating of similar cables. Adapters allow the user to match various SCSI cable systems.

| | | | | | |
|----------|---|-------|-------|-------|------|
| DGB50F | Gender Changer, DB50 Female/Female | 11.35 | 10.21 | 9.08 | CALL |
| DGB50M | Gender Changer, DB50 Male/Male | 11.35 | 10.21 | 9.08 | CALL |
| DGC50F | 50 Pin Gender Changer, CN50 Female/Female | 13.77 | 12.67 | 11.57 | CALL |
| DGC50M | 50 Pin Gender Changer, CN50 Male/Male | 13.77 | 12.67 | 11.57 | CALL |
| CAA910MF | SCSI Adapter, CN50 Male/HPDB50 Female | 37.96 | 35.68 | 33.40 | CALL |

2-56 SCSI-3 Replacement Thumbscrews, Pkg/10

These thumbscrews are designed for all L-com's molded SCSI-3/HPDB68 cable assemblies. Material is steel with nickel finish.

| | | | | | |
|----------|---|------|------|------|------|
| TS-SCSI3 | 2-56 SCSI-3 Replacement Thumbscrews, Pkg/10 | 4.92 | 4.63 | 4.33 | CALL |
|----------|---|------|------|------|------|

| Item # | Description | 1-9 | 10-24 | 25-99 | 100+ |
|--------|-------------|-----|-------|-------|------|
|--------|-------------|-----|-------|-------|------|

IEEE-1394 Firewire Cable Assemblies - Transmission Rates to 400 Mbps

Highest quality Firewire cables allow for transfer rates up to 400 Mbps and meet the IEEE-1394 specification. These cables allow for simple Plug and Play connections for devices such as printers, scanners, digital cameras and other firewire peripherals. They can also be used to link two computers together for file sharing. Twisted pair data lines help reduce crosstalk while 22 AWG power conductors enable maximum power transfer from host to peripheral.

IEEE-1394 Firewire Cable, Type 1 to Type 1, PVC Jacket, 30 Microinches (0.762µm) Gold

| | | | | | |
|-----------|---|-------|-------|-------|------|
| CSM94-05M | IEEE-1394 Firewire Cable, Type 1/Type 1, 0.5m | 13.46 | 12.38 | 11.31 | CALL |
| CSM94-1M | IEEE-1394 Firewire Cable, Type 1/Type 1, 1.0m | 15.33 | 14.10 | 12.87 | CALL |
| CSM94-2M | IEEE-1394 Firewire Cable, Type 1/Type 1, 2.0m | 19.06 | 17.53 | 16.01 | CALL |
| CSM94-3M | IEEE-1394 Firewire Cable, Type 1/Type 1, 3.0m | 22.68 | 20.87 | 19.05 | CALL |
| CSM94-5M | IEEE-1394 Firewire Cable, Type 1/Type 1, 5.0m | 30.04 | 27.64 | 25.23 | CALL |

IEEE-1394 Firewire Cable, Type 1 to Type 2, PVC Jacket, 30 Microinches (0.762µm) Gold

| | | | | | |
|------------|---|-------|-------|-------|------|
| CSM94-05M2 | IEEE-1394 Firewire Cable, Type 1/Type 2, 0.5m | 13.46 | 12.38 | 11.31 | CALL |
| CSM94-1M2 | IEEE-1394 Firewire Cable, Type 1/Type 2, 1.0m | 15.33 | 14.10 | 12.87 | CALL |
| CSM94-2M2 | IEEE-1394 Firewire Cable, Type 1/Type 2, 2.0m | 19.06 | 17.53 | 16.01 | CALL |
| CSM94-3M2 | IEEE-1394 Firewire Cable, Type 1/Type 2, 3.0m | 22.68 | 20.87 | 19.05 | CALL |
| CSM94-5M2 | IEEE-1394 Firewire Cable, Type 1/Type 2, 5.0m | 30.04 | 27.64 | 25.23 | CALL |

IEEE-1394 Firewire Extension Cable, Type 1 Connectors, PVC Jacket, 30 Microinches (0.762µm) Gold

| | | | | | |
|-----------|---|-------|-------|-------|------|
| CSM94X-1M | IEEE-1394 Firewire Extension Cable, Type 1/Type 1, 1.0m | 17.19 | 15.82 | 14.44 | CALL |
| CSM94X-2M | IEEE-1394 Firewire Extension Cable, Type 1/Type 1, 2.0m | 20.82 | 19.15 | 17.49 | CALL |
| CSM94X-3M | IEEE-1394 Firewire Extension Cable, Type 1/Type 1, 3.0m | 24.55 | 22.58 | 20.62 | CALL |

IEEE-1394b Firewire Cable Assemblies - Transmission Rates to 800 Mbps

This version of Firewire cable assemblies utilizes a 9 position connector that is compliant with the IEEE-1394b standard. These cables can double the transmission rates of the traditional IEEE-1394a cable assemblies. Cable construction features two individually shielded 26 AWG data pairs plus two 22 AWG power conductors with an overall foil/braid shield and molded backshells. Color is black.

IEEE-1394b Firewire Cable, Type B to Type 1, PVC Jacket, 30 Microinches (0.762µm) Gold

| | | | | | |
|------------|--|-------|-------|-------|------|
| CSM94B1-1M | IEEE-1394b Firewire Cable, Type B/Type 1, 1.0m | 22.59 | 20.78 | 18.97 | CALL |
| CSM94B1-2M | IEEE-1394b Firewire Cable, Type B/Type 1, 2.0m | 27.36 | 25.17 | 22.98 | CALL |
| CSM94B1-3M | IEEE-1394b Firewire Cable, Type B/Type 1, 3.0m | 32.12 | 29.55 | 26.98 | CALL |
| CSM94B1-5M | IEEE-1394b Firewire Cable, Type B/Type 1, 5.0m | 41.66 | 38.32 | 34.99 | CALL |

IEEE-1394b Firewire Cable, Type B to Type B, PVC Jacket, 30 Microinches (0.762µm) Gold

| | | | | | |
|------------|--|-------|-------|-------|------|
| CSM94BB-1M | IEEE-1394b Firewire Cable, Type B/Type B, 1.0m | 22.59 | 20.78 | 18.97 | CALL |
| CSM94BB-2M | IEEE-1394b Firewire Cable, Type B/Type B, 2.0m | 27.36 | 25.17 | 22.98 | CALL |
| CSM94BB-3M | IEEE-1394b Firewire Cable, Type B/Type B, 3.0m | 32.12 | 29.55 | 26.98 | CALL |
| CSM94BB-5M | IEEE-1394b Firewire Cable, Type B/Type B, 5.0m | 41.66 | 38.32 | 34.99 | CALL |

Waterproof IEEE-1394 Firewire Cable Assemblies - IP67 Rated, Male to Female

L-com now offers IP67 solutions for your harsh environment IEEE-1394 Firewire applications. These robust assemblies feature a specialized IP67 rated 6 position female connector on one end and a standard 6 pin male connector on the other end. These assemblies are perfect for applications where dust and moisture are prevalent and can be used to connect to enclosures, panels, or directly to peripherals or PCs.

| | | | | | |
|--------------|--|-------|-------|-------|------|
| WP946PMF-05M | IEEE-1394 Waterproof Firewire Cable, Male/Female, 0.5m | 22.07 | 21.63 | 20.75 | CALL |
| WP946PMF-2M | IEEE-1394 Waterproof Firewire Cable, Male/Female, 2.0m | 23.83 | 23.36 | 22.40 | CALL |
| WP946PMF-5M | IEEE-1394 Waterproof Firewire Cable, Male/Female, 5.0m | 27.41 | 26.86 | 25.76 | CALL |

IEEE-1394 Firewire Latching Cable Assemblies, Type 1 to Type 1

These assemblies utilize L-com's CN1394L-1 latching Type 1/6 position connector on both ends of the cable. The latching connector provides mechanical retention to mating connectors providing a secure connection every time. It is easy to un-mate by depressing the release mechanism and supports Firewire 400 Mbps speeds. L-com can manufacture custom cable assemblies with low minimum quantity requirements and short lead times.

| | | | | | |
|------------|--|-------|-------|-------|------|
| CSM94L-05M | IEEE-1394 Firewire Latching Cable, Type 1 Male/Type 1 Male, 0.5m | 23.20 | 22.74 | 22.27 | CALL |
| CSM94L-1M | IEEE-1394 Firewire Latching Cable, Type 1 Male/Type 1 Male, 1.0m | 24.96 | 24.46 | 23.96 | CALL |
| CSM94L-2M | IEEE-1394 Firewire Latching Cable, Type 1 Male/Type 1 Male, 2.0m | 28.80 | 28.22 | 27.64 | CALL |
| CSM94L-3M | IEEE-1394 Firewire Latching Cable, Type 1 Male/Type 1 Male, 3.0m | 32.53 | 31.88 | 31.23 | CALL |
| CSM94L-5M | IEEE-1394 Firewire Latching Cable, Type 1 Male/Type 1 Male, 5.0m | 39.99 | 39.19 | 38.39 | CALL |

IEEE-1394 Firewire Latching Male Connector, Type 1 (6 Position)

L-com's CN1394L-1 IEEE-1394 Firewire connector is a unique latching male connector that provides mechanical retention to mating connectors providing a secure connection. This latching connector is easy to un-mate by depressing the release mechanism, and supports Firewire 400 Mbps speeds. L-com can manufacture custom cable assemblies using this connector with low minimum quantity requirements and short lead times. Or do it yourself with these easy to solder connectors.

| | | | | | |
|-----------|--|-------|-------|-------|------|
| CN1394L-1 | IEEE-1394 Firewire Latching Connector, Type 1 Male | 13.06 | 12.27 | 11.49 | CALL |
|-----------|--|-------|-------|-------|------|

IEEE-1394 Firewire Shielded Panel Mount Couplers, Type 1 Connectors

This coupler provides a practical and cost effective way to feed Firewire cables through a panel or enclosure. A unique mounting flange makes these units usable in virtually any panel thickness. Features two Type 1 (6 position) female connectors and metal housing. Recommended 4-40 mounting screws must be purchased separately.

| | | | | | |
|-------------|--|-------|-------|-------|------|
| ECF504-94MS | IEEE-1394 Firewire Shielded Coupler, Type 1 Connectors | 11.28 | 11.06 | 10.61 | CALL |
| ECF440 | Machine Screws, 4-40 x 5/16", Pkg/1300 | 5.18 | 4.77 | 4.35 | CALL |

IEEE-1394 Firewire Connector Covers, 6 Position - Protect Unused Ports, Pkg/10

These covers are perfect for protecting unused female ports in our panel mount couplers or any expensive equipment from physical damage, dirt and dust. Made from soft ABS, these covers attach easily and stay in place with a snug friction fit. Color is black.

| | | | | | |
|------------|--|------|------|------|------|
| CAP1394-6P | IEEE-1394 Firewire Protective Cover for Type 1 Jacks, Pkg/10 | 7.77 | 7.15 | 6.53 | CALL |
|------------|--|------|------|------|------|



CSM94-M



CSM94-M2



CSM94X-M



CSM94B1-M



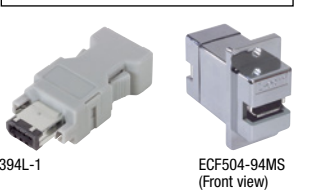
CSM94BB-M



WP946PMF-M



CSM94L-M



CN1394L-1

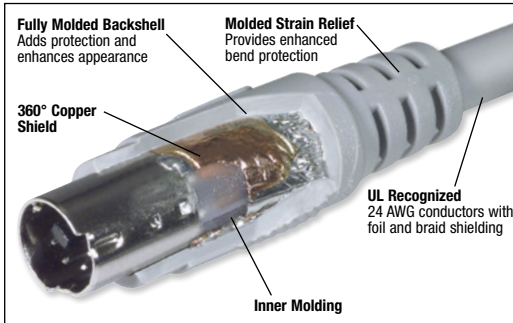
ECF504-94MS
(Front view)

CAP1394-6P

DIN and Mini DIN Cables for Computer Keyboards, Mice and Other Uses

These Premium DK Series are the finest DIN/Mini DIN cables on the market. As the illustration reveals, the painstaking attention to detail beneath the surface makes the difference. All DK cables listed are wired straight-thru, fully populated, double shielded (copper braid and aluminum mylar), 24 AWG and fully over molded.

Common DIN and Mini DIN Jack Uses



| Item # | Description | 1-9 | 10-24 | 25-99 | 100+ |
|--------|-------------|-----|-------|-------|------|
|--------|-------------|-----|-------|-------|------|

Premium DIN 5 Cables - Fully Populated - Double Shielded

| | | | | | |
|------------|--|-------|-------|-------|------|
| DK225MM-3 | Molded Cable, DIN 5 Male/Male, 3.0ft (0.9m) | 7.95 | 7.47 | 7.00 | CALL |
| DK225MM-6 | Molded Cable, DIN 5 Male/Male, 6.0ft (1.8m) | 11.47 | 10.78 | 10.10 | CALL |
| DK225MM-10 | Molded Cable, DIN 5 Male/Male, 10.0ft (3.0m) | 16.17 | 15.20 | 14.23 | CALL |
| DK225MM-20 | Molded Cable, DIN 5 Male/Male, 20.0ft (6.0m) | 27.91 | 26.23 | 24.56 | CALL |
| DK225MM-25 | Molded Cable, DIN 5 Male/Male, 25.0ft (7.6m) | 33.78 | 31.75 | 29.73 | CALL |

| | | | | | |
|------------|---|-------|-------|-------|------|
| DK225MF-3 | Molded Extension Cable, DIN 5, Male/Female, 3.0ft (0.9m) | 7.95 | 7.47 | 7.00 | CALL |
| DK225MF-6 | Molded Extension Cable, DIN 5, Male/Female, 6.0ft (1.8m) | 11.47 | 10.78 | 10.10 | CALL |
| DK225MF-10 | Molded Extension Cable, DIN 5, Male/Female, 10.0ft (3.0m) | 16.17 | 15.20 | 14.23 | CALL |
| DK225MF-20 | Molded Extension Cable, DIN 5, Male/Female, 20.0ft (6.0m) | 27.91 | 26.23 | 24.56 | CALL |
| DK225MF-25 | Molded Extension Cable, DIN 5, Male/Female, 25.0ft (7.6m) | 33.78 | 31.75 | 29.73 | CALL |

Premium Mini DIN 6 Cables - Fully Populated - Double Shielded

| | | | | | |
|------------|---|-------|-------|-------|------|
| DK226MM-1 | Molded Cable, Mini DIN 6 Male/Male, 1.0ft (0.3m) | 8.16 | 7.67 | 7.18 | CALL |
| DK226MM-2 | Molded Cable, Mini DIN 6 Male/Male, 2.0ft (0.6m) | 9.34 | 8.78 | 8.22 | CALL |
| DK226MM-3 | Molded Cable, Mini DIN 6 Male/Male, 3.0ft (0.9m) | 10.51 | 9.88 | 9.25 | CALL |
| DK226MM-6 | Molded Cable, Mini DIN 6 Male/Male, 6.0ft (1.8m) | 14.03 | 13.19 | 12.35 | CALL |
| DK226MM-10 | Molded Cable, Mini DIN 6 Male/Male, 10.0ft (3.0m) | 18.73 | 17.61 | 16.48 | CALL |
| DK226MM-15 | Molded Cable, Mini DIN 6 Male/Male, 15.0ft (4.6m) | 24.60 | 23.12 | 21.65 | CALL |
| DK226MM-20 | Molded Cable, Mini DIN 6 Male/Male, 20.0ft (6.0m) | 30.47 | 28.64 | 26.81 | CALL |
| DK226MM-25 | Molded Cable, Mini DIN 6 Male/Male, 25.0ft (7.6m) | 36.34 | 34.16 | 31.98 | CALL |

| | | | | | |
|------------|---|-------|-------|-------|------|
| DK226MF-3 | Molded Extension Cable, Mini DIN 6 Male/Female, 3.0ft (0.9m) | 10.51 | 9.88 | 9.25 | CALL |
| DK226MF-6 | Molded Extension Cable, Mini DIN 6 Male/Female, 6.0ft (1.8m) | 14.03 | 13.19 | 12.35 | CALL |
| DK226MF-10 | Molded Extension Cable, Mini DIN 6 Male/Female, 10.0ft (3.0m) | 18.73 | 17.61 | 16.48 | CALL |
| DK226MF-15 | Molded Extension Cable, Mini DIN 6 Male/Female, 15.0ft (4.6m) | 24.60 | 23.12 | 21.65 | CALL |
| DK226MF-20 | Molded Extension Cable, Mini DIN 6 Male/Female, 20.0ft (6.0m) | 30.47 | 28.64 | 26.81 | CALL |
| DK226MF-25 | Molded Extension Cable, Mini DIN 6 Male/Female, 25.0ft (7.6m) | 36.34 | 34.16 | 31.98 | CALL |

Premium Mini DIN 8 Cables - Fully Populated - Double Shielded

| | | | | | |
|------------|---|-------|-------|-------|------|
| DK238MM-1 | Molded Cable, Mini DIN 8 Male/Male, 1.0ft (0.3m) | 10.25 | 9.63 | 9.02 | CALL |
| DK238MM-2 | Molded Cable, Mini DIN 8 Male/Male, 2.0ft (0.6m) | 11.42 | 10.73 | 10.05 | CALL |
| DK238MM-3 | Molded Cable, Mini DIN 8 Male/Male, 3.0ft (0.9m) | 12.59 | 11.84 | 11.08 | CALL |
| DK238MM-6 | Molded Cable, Mini DIN 8 Male/Male, 6.0ft (1.8m) | 16.12 | 15.15 | 14.18 | CALL |
| DK238MM-10 | Molded Cable, Mini DIN 8 Male/Male, 10.0ft (3.0m) | 20.81 | 19.56 | 18.31 | CALL |
| DK238MM-15 | Molded Cable, Mini DIN 8 Male/Male, 15.0ft (4.6m) | 26.68 | 25.08 | 23.48 | CALL |
| DK238MM-20 | Molded Cable, Mini DIN 8 Male/Male, 20.0ft (6.0m) | 32.55 | 30.60 | 28.65 | CALL |
| DK238MM-25 | Molded Cable, Mini DIN 8 Male/Male, 25.0ft (7.6m) | 38.42 | 36.12 | 33.81 | CALL |

| | | | | | |
|------------|---|-------|-------|-------|------|
| DK238MF-3 | Molded Extension Cable, Mini DIN 8 Male/Female, 3.0ft (0.9m) | 12.59 | 11.84 | 11.08 | CALL |
| DK238MF-6 | Molded Extension Cable, Mini DIN 8 Male/Female, 6.0ft (1.8m) | 16.12 | 15.15 | 14.18 | CALL |
| DK238MF-10 | Molded Extension Cable, Mini DIN 8 Male/Female, 10.0ft (3.0m) | 20.81 | 19.56 | 18.31 | CALL |
| DK238MF-15 | Molded Extension Cable, Mini DIN 8 Male/Female, 15.0ft (4.6m) | 26.68 | 25.08 | 23.48 | CALL |
| DK238MF-20 | Molded Extension Cable, Mini DIN 8 Male/Female, 20.0ft (6.0m) | 32.55 | 30.60 | 28.65 | CALL |
| DK238MF-25 | Molded Extension Cable, Mini DIN 8 Male/Female, 25.0ft (7.6m) | 38.42 | 36.12 | 33.81 | CALL |

Economy Mini DIN Cables - Shielded, Molded, Fully Populated

These cables provide an economical choice suitable for many applications and are comparable with most cables on the market. Available with Mini DIN 6 or 8 position connectors. Construction features durable PVC mold, 28 AWG conductors and 360 degree foil shield. Color is gray.

Economy Mini DIN 6 Cables - Male to Male and Male to Female

| | | | | | |
|------------|---|-------|-------|-------|------|
| CSMD6MM-3 | Economy Molded Cable, Mini DIN 6 Male/Male, 3.0ft (0.9m) | 5.23 | 4.92 | 4.60 | CALL |
| CSMD6MM-6 | Economy Molded Cable, Mini DIN 6 Male/Male, 6.0ft (1.8m) | 6.46 | 6.07 | 5.68 | CALL |
| CSMD6MM-10 | Economy Molded Cable, Mini DIN 6 Male/Male, 10.0ft (3.0m) | 8.11 | 7.62 | 7.14 | CALL |
| CSMD6MM-25 | Economy Molded Cable, Mini DIN 6 Male/Male, 25.0ft (7.6m) | 14.30 | 13.44 | 12.59 | CALL |

| | | | | | |
|------------|---|-------|-------|-------|------|
| CSMD6MF-3 | Economy Molded Cable, Mini DIN 6 Male/Female, 3.0ft (0.9m) | 5.23 | 4.92 | 4.60 | CALL |
| CSMD6MF-6 | Economy Molded Cable, Mini DIN 6 Male/Female, 6.0ft (1.8m) | 6.46 | 6.07 | 5.68 | CALL |
| CSMD6MF-10 | Economy Molded Cable, Mini DIN 6 Male/Female, 10.0ft (3.0m) | 8.11 | 7.62 | 7.14 | CALL |
| CSMD6MF-25 | Economy Molded Cable, Mini DIN 6 Male/Female, 25.0ft (7.6m) | 14.30 | 13.44 | 12.59 | CALL |

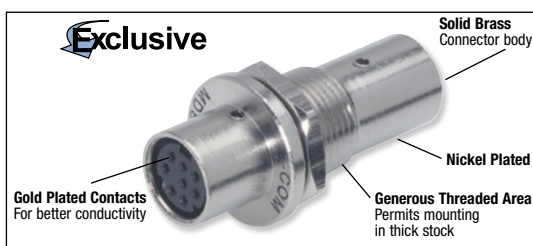
Economy Mini DIN 8 Cables - Male to Male and Male to Female

| | | | | | |
|------------|---|-------|-------|-------|------|
| CSMD8MM-3 | Economy Molded Cable, Mini DIN 8 Male/Male, 3.0ft (0.9m) | 6.62 | 6.22 | 5.82 | CALL |
| CSMD8MM-6 | Economy Molded Cable, Mini DIN 8 Male/Male, 6.0ft (1.8m) | 8.38 | 7.88 | 7.37 | CALL |
| CSMD8MM-10 | Economy Molded Cable, Mini DIN 8 Male/Male, 10.0ft (3.0m) | 10.73 | 10.08 | 9.44 | CALL |
| CSMD8MM-25 | Economy Molded Cable, Mini DIN 8 Male/Male, 25.0ft (7.6m) | 19.53 | 18.36 | 17.19 | CALL |

| | | | | | |
|------------|---|-------|-------|-------|------|
| CSMD8MF-3 | Economy Molded Cable, Mini DIN 8 Male/Female, 3.0ft (0.9m) | 6.62 | 6.22 | 5.82 | CALL |
| CSMD8MF-6 | Economy Molded Cable, Mini DIN 8 Male/Female, 6.0ft (1.8m) | 8.38 | 7.88 | 7.37 | CALL |
| CSMD8MF-10 | Economy Molded Cable, Mini DIN 8 Male/Female, 10.0ft (3.0m) | 10.73 | 10.08 | 9.44 | CALL |
| CSMD8MF-25 | Economy Molded Cable, Mini DIN 8 Male/Female, 25.0ft (7.6m) | 19.53 | 18.36 | 17.19 | CALL |

DIN and Mini DIN Adapters and Connectors

These adapters are an L-com exclusive. Useful in many applications including S-video, computer mice, keyboards and instrumentation. A unique design permits easy mounting in standard size 0.5" (1.3cm) and 0.75" (1.9cm) circular or D shaped openings allowing the use of common punch tooling. Adapter bodies are machined from solid brass. Bright nickel plating provides corrosion resistance and a quality appearance. Gold plated contacts ensure reliable connections. Custom versions will be considered with modest minimums, please contact our sales group for assistance.



| Item # | Description | 1-9 | 10-24 | 25-99 | 100+ |
|--------|-------------|-----|-------|-------|------|
|--------|-------------|-----|-------|-------|------|

DIN and Mini DIN Feed-thru Adapters - Panel and Wall Plate Mountable

These exclusive adapters offer a unique design suitable for panel mounting DIN and Mini DIN adapters. Female-Female gender.

| | | | | | |
|--------|--|-------|------|------|------|
| MD44FF | Feed-Thru Adapter, Mini DIN 4, Female/Female | 9.57 | 8.81 | 8.04 | CALL |
| MD66FF | Feed-Thru Adapter, Mini DIN 6, Female/Female | 10.39 | 9.56 | 8.73 | CALL |
| MD88FF | Feed-Thru Adapter, Mini DIN 8, Female/Female | 10.72 | 9.86 | 9.00 | CALL |
| DD55F | Feed-Thru Adapter, DIN 5, Female/Female | 10.72 | 9.86 | 9.00 | CALL |

Mini DIN Bulkhead Jack to Flying Leads

Machined adapters utilize 4, 6 or 8 26 AWG color coded wires for chassis termination.

| | | | | | |
|---------|---|-------|-------|-------|------|
| MD44FJF | Mini DIN 4 Bulkhead Jack/Leads, Front Mount | 10.67 | 9.82 | 8.97 | CALL |
| MD66FJF | Mini DIN 6 Bulkhead Jack/Leads, Front Mount | 11.59 | 10.66 | 9.73 | CALL |
| MD88FJF | Mini DIN 8 Bulkhead Jack/Leads, Front Mount | 11.91 | 10.96 | 10.01 | CALL |
| MD44FJR | Mini DIN 4 Bulkhead Jack/Leads, Rear Mount | 10.67 | 9.82 | 8.97 | CALL |
| MD66FJR | Mini DIN 6 Bulkhead Jack/Leads, Rear Mount | 11.59 | 10.66 | 9.73 | CALL |
| MD88FJR | Mini DIN 8 Bulkhead Jack/Leads, Rear Mount | 11.91 | 10.96 | 10.01 | CALL |

Mini DIN Bulkhead Adapter Styles



| Item # | Description | 1-9 | 10-24 | 25-99 | 100+ |
|--------|-------------|-----|-------|-------|------|
|--------|-------------|-----|-------|-------|------|

Mini DIN 6 and 8 Gender Changers

| | | | | | |
|---------|--|------|------|------|------|
| DMB536F | Gender Changer, Mini DIN 6 Female/Female | 5.17 | 4.86 | 4.55 | CALL |
| DMB538F | Gender Changer, Mini DIN 8 Female/Female | 5.17 | 4.86 | 4.55 | CALL |

Premium Mini DIN 6 Y Cable - Fully Populated - Double Shielded - Male to (2) Female

| | | | | | |
|---------|---|------|------|------|------|
| K23-MDY | Molded Y Cable, Mini DIN 6 Male/2 Mini DIN 6 Female, 1.25 ft (0.381m) | 9.77 | 8.98 | 8.20 | CALL |
|---------|---|------|------|------|------|

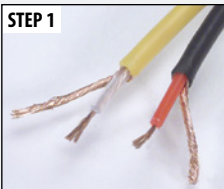
Mini DIN 4 - S-Video Jack for Field Termination

| | | | | | |
|--------|--|------|------|------|------|
| MD44FT | Mini DIN 4 Female Field Termination Jack | 7.93 | 7.29 | 6.66 | CALL |
|--------|--|------|------|------|------|



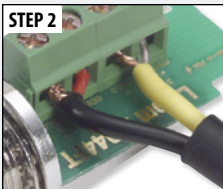
Tip Typical installation of an MD44FT field installable jack

STEP 1



Prepare coaxial lines.

STEP 2



Insert center conductors, shields and tighten set screws.

STEP 3



Secure cable with cable tie to connector.

STEP 4



Attach to faceplate and install.

| Item # | Description | 1-9 | 10-24 | 25-99 | 100+ |
|--------|-------------|-----|-------|-------|------|
|--------|-------------|-----|-------|-------|------|

Interface Modules - DIN Rail Mountable, with Shielded D-Sub and RJ45 Connectors

These DIN rail mountable interface modules feature a unique series of plated through holes that allow for the insertion of electronic components inline or across any circuit. Modules are available with shielded DB9, DB15, DB25 and DB37 female connectors. Also listed is a shielded RJ45 jack version. Terminal block connectors accept 26-12 AWG wire, are easily terminated and do not require crimp ferrules. Please inquire on any custom modifications required.

| | | | | | |
|-----------|-------------------------------|--------|--------|--------|------|
| RBMIDB09F | Interface Module, DB9 Female | 67.55 | 66.20 | 64.85 | CALL |
| RBMIDB15F | Interface Module, DB15 Female | 76.15 | 74.63 | 73.10 | CALL |
| RBMIDB25F | Interface Module, DB25 Female | 88.38 | 86.61 | 84.84 | CALL |
| RBMIDB37F | Interface Module, DB37 Female | 104.33 | 102.25 | 100.16 | CALL |
| RBMIRJ45F | Interface Module, RJ45 Jack | 61.44 | 60.21 | 58.98 | CALL |





IEEE-488 GPIB Tutorial

What are GPIB cables?

GPIB cables consist of 12 twisted pairs of copper wire and utilize a Centronics 24 style male/female connector.

How are GPIB cables used?

They are used in a bus or star architecture where the connectors "piggy back" each other and then connect primarily test and measurement equipment to PCs and other devices.

Where are GPIB cables used?

GPIB cables are typically used in test and measurement applications and are also used in DAQ (data acquisition) applications.

IEEE-488 Cabling Terms

Adapter: A device used to interconnect two different connector types.

American Wire Gauge (AWG): A U.S. standard set of non-ferrous wire conductor sizes. Typical data wiring is AWG number 24, 26 or 28. The higher the gauge number, the smaller the diameter and thinner the wire.

Backshell (Hood): A mechanical backing that is sometimes put onto a connector. The device protects the conductors and can be assembled or injection molded.

Bus: Also called a "Daisy Chain". A network topology where each node is connected to one another in line. A major disadvantage is that when there is a break in the bus the entire network goes down.

Cable: A set of insulated wires or conductors within an extruded jacket. Many types of cable utilize shielding around the wires and under the cable jacket.

Cable Assembly: A piece of cable that has been terminated with one or more connectors.

Conductor: A metal path, usually copper, that passes electricity. When discussing data cabling, "wire" and "conductor" are synonymous.

Connector: Electromechanical coupling device that provides an electrical interface that can be mated and unmated.

Contact: The specific points of contact within a connector. Contacts can be male (pins) or female (sockets).

Coupler: A device used to connect two similar connector types.

Crosstalk: The coupling of electromagnetic fields from conductors into adjacent conductors. Crosstalk is controlled by twisting the conductors into a pair or by separating/shielding conductors.

Electromagnetic Interference (EMI): Unwanted electromagnetic or electrical energy that causes unwanted responses in electronic equipment.

GPIB: General Purpose Interface Bus. Common name for IEEE-488.

HPIB: Hewlett Packard Interface Bus. Common name for IEEE-488.

IEEE-488: Institute of Electrical and Electronics Engineers interface standard number 488.

Injection Molding: The process used to inject molten polymer into a mold. Connector backshells are often injection molded.

Insulation: A material with very high resistivity used to protect conductors. Insulation is usually extruded over the wire or conductor after the drawing process.

Insulation Displacement Contact: A means of terminating wires without the need of stripping down to the bare wire.

Jack: The female receptacle-usually found on equipment.

Plug: Popular term for a male gender connector of varied types.

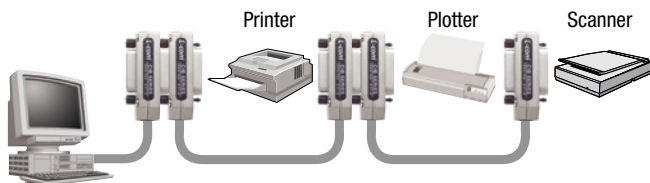
Shielding: A conductive foil or braid that covers insulated wires in a cable. The shield provides electrical grounding and protection from external electromagnetic interference (EMI). Shielding is also used to control internal electromagnetic radiation.

Strain Relief: A method of protecting the wire to contact point from flexing or pulling.

Twisted Pair: Two insulated conductors twisted at a fixed rate of twists per unit of length, typically used in balanced circuits where nominal impedance and crosstalk are critical characteristics.

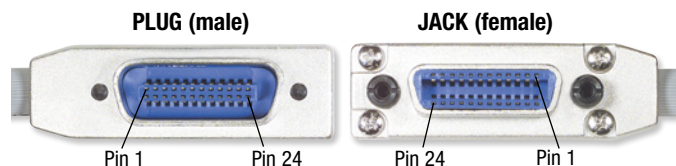
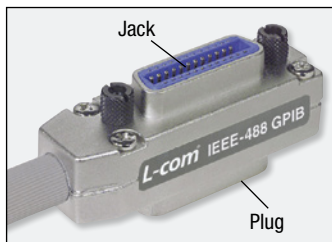
Wire: Conductive material, typically copper, that has been drawn down to a specific size and coated with an insulating material. A "bare wire" utilizes no insulator coating.

In-Line/Linear Configuration

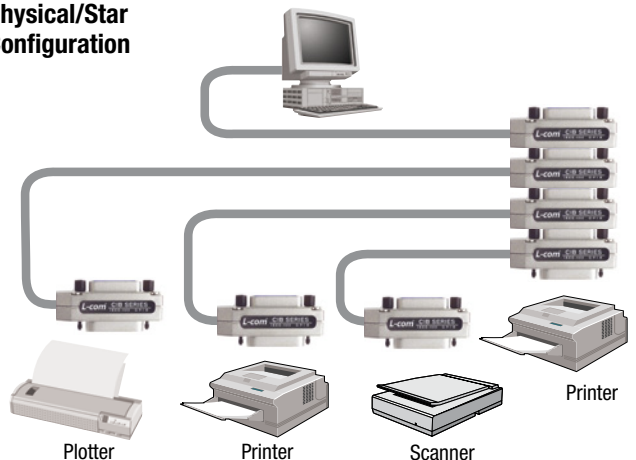


IEEE-488 Connector Specifications

The IEEE-488 GPIB connector utilizes 24 contacts in a parallel configuration.



Physical/Star Configuration



IEEE-488 Construction

- 24 conductors with twisted pairs
- Braid Shield with a minimum 85% coverage
- Centronics style 24 position male to female piggy back connectors allowing for easy daisy chaining
- Metric mating hardware, M3.5 x 0.6



L-com IEEE-488 Cable Assembly Options

L-com offers three different cable options to best satisfy customer needs and maximize value:

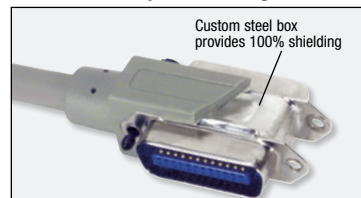
| | MOLDED | DELUXE | PREMIUM |
|-------------------------|--|--|--|
| Backshell Detail | PVC molded backshell over internal steel shell enclosure | Die cast aluminum, nickel plated backshell | Die cast aluminum, nickel plated backshell |
| Connector Detail | Stamped steel, nickel plated connectors | Die cast alloy, nickel plated connectors | Die cast alloy, nickel plated connectors |
| Contact Plating | 30 microinch (0.762μm) gold plated contacts | 30 microinch (0.762μm) gold plated contacts | 30 microinch (0.762μm) gold plated contacts |
| Cable Shielding | One braid and one foil/mylar overall shield | One braid and one foil/mylar overall shield plus one inner foil/mylar shield | One braid and one foil/mylar overall shield plus one inner braid and one inner foil/mylar shield |

L-com is the Originator

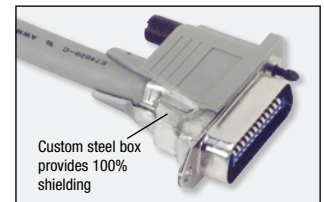
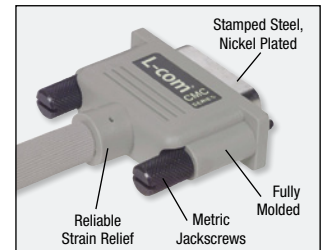
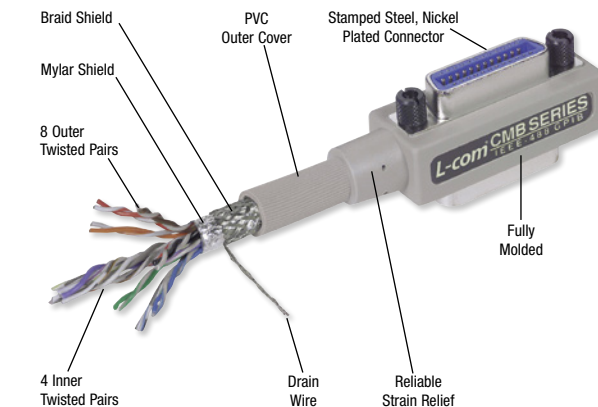
L-com was the first to introduce molded, in-line, male only GPIB cables. Acceptance was immediate and soon users demanded upgraded models with metal connector shells and better cable shielding gradations. Now the female version has been added to complete the series.

We complied with your wishes and we're proud to offer the latest premium and deluxe versions of single ended cables listed as standard items.

We urge you to try this wiring concept and to discover the many real advantages.



Molded Cable Makeup CMB/CIM/CIMB/CMC/CMD Series



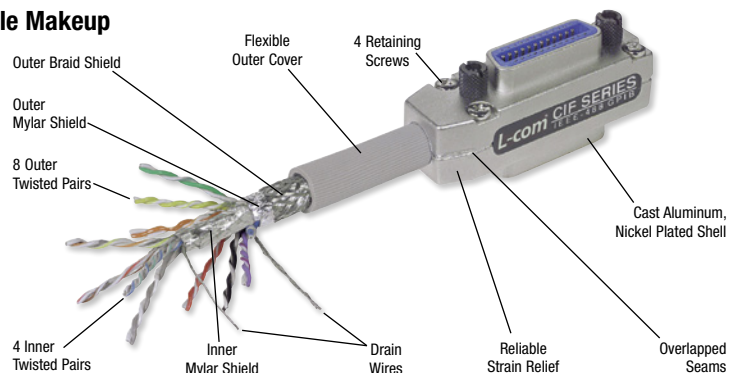
The Industry Standard

Hewlett Packard set the criteria in the design of optimum IEEE-488 GPIB cables with three shields, twisted pairs and metal shells, offering maximum performance.

L-com agreed with this need and developed a comparable cable type that we call the CIF Series. This family of IEEE-488 GPIB cables is directly interchangeable with HP, AMP and Amphenol.

The Deluxe Series is by far your best buy compared to any of the GPIB cables on the market today.

Deluxe Cable Makeup CIF Series

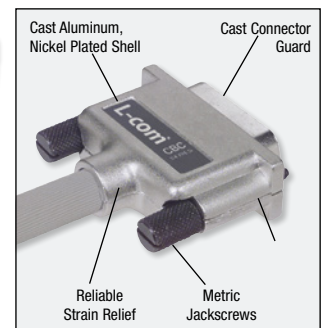
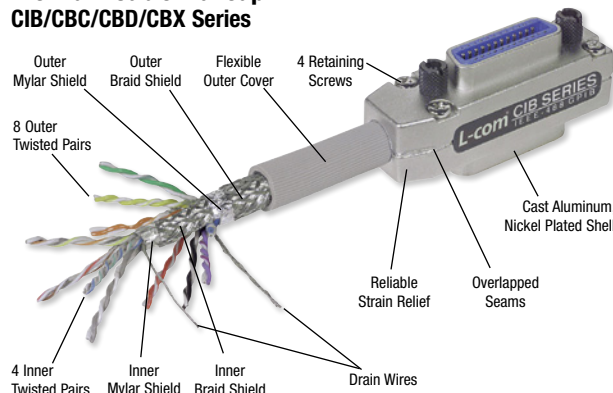


L-com offers the Most Value

A reminder that the difference in cost between good quality wiring components and the IEEE-488 cables offered by discounters is very little indeed. When you consider the total value of the equipment that will be tied into a system, the cost of cables, adapters and accessories becomes only a small part of the total investment.

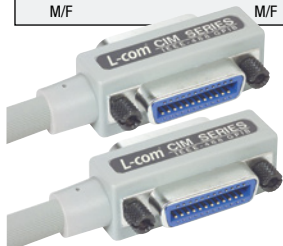
In many applications, it is wise to use the premier cables on the market, L-com's Premium Series. Our cables and accessories are of the highest quality and our prices are realistic. We feel confident that if you compare Quality, Variety, Service and Price you will find that L-com definitely comes out on top on all counts.

Premium Cable Makeup CIB/CBC/CBD/CBX Series

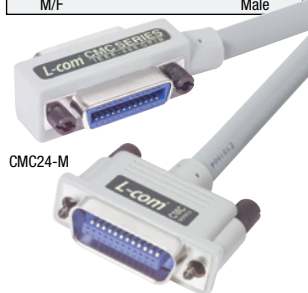
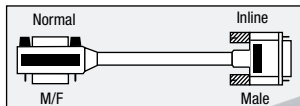


L-com Molded Grade Cable Assemblies

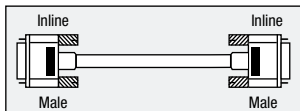
Cables listed on this page utilize two shields and a fully molded backshell. They are the most economical choice and are the most common substitute to competitor models.



CMB24-M



CMC24-M



CMD24-M

| Item # | Description | Connector Orientation | 1-9 | 10-24 | 25-99 | 100+ |
|--------|-------------|-----------------------|-----|-------|-------|------|
|--------|-------------|-----------------------|-----|-------|-------|------|

Molded Grade IEEE-488 GPIB Cables - Double Shielded with Molded Backshells

L-com offers many IEEE-488 cable assembly options. The most economical choice uses double shielded cable that is adequate for many applications. Featuring all-molded connector ends which contribute to a long life expectancy and are impervious to breakage at the point where the cable enters the connector housing. A unique stamped steel internal enclosure provides 100% shielding and a robust strain relief. Considerable savings can be realized using this cable, particularly in volume applications.

The CMB Cable Series meets all standards of the IEEE-488 interface, conforms with normal mounting procedures and is directly compatible with HP, AMP and Amphenol.

| | | | | | | |
|-----------|-----------------------------|---------------|--------|--------|--------|------|
| CMB24-05M | Molded IEEE-488 Cable, 0.5m | Normal/Normal | 73.54 | 72.07 | 69.13 | CALL |
| CMB24-1M | Molded IEEE-488 Cable, 1.0m | Normal/Normal | 77.89 | 76.33 | 73.22 | CALL |
| CMB24-2M | Molded IEEE-488 Cable, 2.0m | Normal/Normal | 86.70 | 84.97 | 81.50 | CALL |
| CMB24-3M | Molded IEEE-488 Cable, 3.0m | Normal/Normal | 95.52 | 93.61 | 89.79 | CALL |
| CMB24-4M | Molded IEEE-488 Cable, 4.0m | Normal/Normal | 104.33 | 102.24 | 98.07 | CALL |
| CMB24-5M | Molded IEEE-488 Cable, 5.0m | Normal/Normal | 113.14 | 110.88 | 106.35 | CALL |
| CMB24-6M | Molded IEEE-488 Cable, 6.0m | Normal/Normal | 121.96 | 119.52 | 114.64 | CALL |
| CMB24-8M | Molded IEEE-488 Cable, 8.0m | Normal/Normal | 139.47 | 136.68 | 131.10 | CALL |

Molded IEEE-488 GPIB Cables - Two Reverse Entry Connectors to Overcome Difficult Mounting

There are times when the use of a standard GPIB cable is not desirable because of obstructions from other nearby instruments, etc. In some cases it may be more advantageous to have the cable enter the connector housing from the opposite direction. An obvious advantage is when it is used as an extension cable.

| | | | | | | |
|-----------|-----------------------------|-----------------|--------|--------|--------|------|
| CIM24-05M | Molded IEEE-488 Cable, 0.5m | Reverse/Reverse | 76.91 | 72.30 | 67.68 | CALL |
| CIM24-1M | Molded IEEE-488 Cable, 1.0m | Reverse/Reverse | 81.48 | 76.59 | 71.70 | CALL |
| CIM24-2M | Molded IEEE-488 Cable, 2.0m | Reverse/Reverse | 90.62 | 85.18 | 79.75 | CALL |
| CIM24-3M | Molded IEEE-488 Cable, 3.0m | Reverse/Reverse | 99.87 | 93.88 | 87.88 | CALL |
| CIM24-4M | Molded IEEE-488 Cable, 4.0m | Reverse/Reverse | 109.01 | 102.47 | 95.93 | CALL |
| CIM24-5M | Molded IEEE-488 Cable, 5.0m | Reverse/Reverse | 118.26 | 111.16 | 104.07 | CALL |
| CIM24-6M | Molded IEEE-488 Cable, 6.0m | Reverse/Reverse | 127.50 | 119.85 | 112.20 | CALL |
| CIM24-8M | Molded IEEE-488 Cable, 8.0m | Reverse/Reverse | 145.89 | 137.14 | 128.38 | CALL |

Molded IEEE-488 GPIB Cables - With One Reverse Entry Connector to One Normal Entry

GPIB users realize the virtues of reverse entry and have asked us to provide half and half types. L-com offers GPIB cables that are useful for connecting rack equipment when GPIB receptacles do not orientate properly to allow shortest distance and an orderly appearance.

| | | | | | | |
|------------|-----------------------------|----------------|-------|-------|-------|------|
| CIMB24-03M | Molded IEEE-488 Cable, 0.3m | Normal/Reverse | 75.06 | 70.56 | 66.05 | CALL |
| CIMB24-05M | Molded IEEE-488 Cable, 0.5m | Normal/Reverse | 76.91 | 72.30 | 67.68 | CALL |
| CIMB24-1M | Molded IEEE-488 Cable, 1.0m | Normal/Reverse | 81.48 | 76.59 | 71.70 | CALL |

Molded CMC Series IEEE-488 GPIB Cables - Feature One Inline GPIB Male Termination

These molded GPIB cables are similar in construction and electrical specifications to our popular CMB24 series except that one end terminates to a straight male connector. This is sometimes preferred when there is no apparent need to have the exposed female end. It also eliminates the need for capping the exposed connector. Quite useful when the traditional right angle cable gets in the way of other cables such as in a computer back plane. Both ends of these cables utilize a stamped steel internal closure providing 100% shielding and a robust strain relief.

| | | | | | | |
|-----------|------------------------------|---------------|--------|--------|--------|------|
| CMC24-05M | Molded IEEE-488 Cable, 0.5m | Normal/Inline | 63.53 | 59.72 | 55.91 | CALL |
| CMC24-1M | Molded IEEE-488 Cable, 1.0m | Normal/Inline | 67.88 | 63.81 | 59.74 | CALL |
| CMC24-2M | Molded IEEE-488 Cable, 2.0m | Normal/Inline | 75.39 | 70.86 | 66.34 | CALL |
| CMC24-3M | Molded IEEE-488 Cable, 3.0m | Normal/Inline | 84.20 | 79.15 | 74.10 | CALL |
| CMC24-4M | Molded IEEE-488 Cable, 4.0m | Normal/Inline | 91.71 | 86.21 | 80.70 | CALL |
| CMC24-5M | Molded IEEE-488 Cable, 5.0m | Normal/Inline | 100.52 | 94.49 | 88.46 | CALL |
| CMC24-10M | Molded IEEE-488 Cable, 10.0m | Normal/Inline | 140.78 | 132.33 | 123.88 | CALL |

Molded CMD Series IEEE-488 GPIB Cables - Have Two Inline GPIB Male Terminations

We've gone one step further with these molded CMD series cables and equipped both ends of the cable with a molded single ended GPIB connector.

| | | | | | | |
|-----------|------------------------------|---------------|--------|--------|--------|------|
| CMD24-05M | Molded IEEE-488 Cable, 0.5m | Inline/Inline | 44.05 | 41.41 | 38.77 | CALL |
| CMD24-1M | Molded IEEE-488 Cable, 1.0m | Inline/Inline | 48.62 | 45.71 | 42.79 | CALL |
| CMD24-2M | Molded IEEE-488 Cable, 2.0m | Inline/Inline | 64.40 | 60.54 | 56.67 | CALL |
| CMD24-3M | Molded IEEE-488 Cable, 3.0m | Inline/Inline | 73.54 | 69.13 | 64.71 | CALL |
| CMD24-4M | Molded IEEE-488 Cable, 4.0m | Inline/Inline | 82.79 | 77.82 | 72.85 | CALL |
| CMD24-5M | Molded IEEE-488 Cable, 5.0m | Inline/Inline | 92.03 | 86.51 | 80.99 | CALL |
| CMD24-10M | Molded IEEE-488 Cable, 10.0m | Inline/Inline | 137.95 | 129.67 | 121.39 | CALL |

Tip The chart below will help you to find the connector orientation style that you need.

Normal Orientation



This is the standard for most GPIB cable assemblies

Reverse Orientation



Great for extending GPIB cable runs

Inline Orientation



| Item # | Description | Connector Orientation | 1-9 | 10-24 | 25-99 | 100+ |
|--|-----------------------------|-----------------------|--------|--------|--------|------|
| Deluxe Grade IEEE-488 GPIB Cables - Three Shields Plus Cast Aluminum Shells | | | | | | |
| Two foil shields plus one copper braid shield (over 90% coverage) provide low capacitance to maintain the IEEE specifications of these cables. Designed and built to handle your system's data rate, up to the 1 Mbyte/s IEEE maximum. All technical features found in our Premium CIB24 Series are incorporated in this series, the only exception is one less shield. This series is as good as, or better than, other name brand IEEE-488 cables on the market today. This is truly the best buy because you get industry standard features at realistic prices. No other IEEE-488 cables of this grade are available at a competitive price. The CIF24 Series IEEE-488 cables may be used to connect two compatible devices such as a personal computer and a plotter. They can be Daisy-Chained to several computer peripherals or may be used to integrate a system of programmable test instruments and control devices. Each end of every cable has a male/female connector and readily accepts a male terminated cable. | | | | | | |
| CIF24-03M | Deluxe IEEE-488 Cable, 0.3m | Normal/Normal | 103.89 | 101.82 | 97.66 | CALL |
| CIF24-05M | Deluxe IEEE-488 Cable, 0.5m | Normal/Normal | 105.96 | 103.84 | 99.60 | CALL |
| CIF24-1M | Deluxe IEEE-488 Cable, 1.0m | Normal/Normal | 110.97 | 108.75 | 104.31 | CALL |
| CIF24-2M | Deluxe IEEE-488 Cable, 2.0m | Normal/Normal | 121.08 | 118.66 | 113.82 | CALL |
| CIF24-3M | Deluxe IEEE-488 Cable, 3.0m | Normal/Normal | 134.47 | 131.78 | 126.40 | CALL |
| CIF24-4M | Deluxe IEEE-488 Cable, 4.0m | Normal/Normal | 144.59 | 141.69 | 135.91 | CALL |
| CIF24-5M | Deluxe IEEE-488 Cable, 5.0m | Normal/Normal | 154.70 | 151.61 | 145.42 | CALL |
| CIF24-6M | Deluxe IEEE-488 Cable, 6.0m | Normal/Normal | 164.71 | 161.42 | 154.83 | CALL |
| CIF24-8M | Deluxe IEEE-488 Cable, 8.0m | Normal/Normal | 184.95 | 181.25 | 173.85 | CALL |

Premium Grade IEEE-488 GPIB Cables - 4 Shields, Aluminum Nickel Plated Shells

These cables have two copper braid shields coupled with two foil shields to work to reduce the amount of radiated emissions. This helps many systems to pass FCC Part 15, MIL-STD-461A, VDE 0871 and VDE 0875. All wires are twisted pairs to maintain a low capacitance within the 150 pF/m IEEE specification. Besides superior electrical characteristics, this cable has been designed to last a very long time. Care has been given to offer a cable with extreme flexibility that is equipped with a superior strain relief. This prevents the cable from coming apart when it is bent at a sharp angle, which has been a common fault with many IEEE-488 cables on the market today. Cast aluminum, nickel plated shells are used to prevent corrosion and have overlapping seams rather than being butt-jointed. One could hope for nothing else in the makeup of the best IEEE-488 cable. All this offered at a realistic price.

| | | | | | | |
|------------|-------------------------------|---------------|--------|--------|--------|------|
| CIB24-03M | Premium IEEE-488 Cable, 0.3m | Normal/Normal | 111.18 | 108.96 | 104.51 | CALL |
| CIB24-05M | Premium IEEE-488 Cable, 0.5m | Normal/Normal | 114.34 | 112.05 | 107.48 | CALL |
| CIB24-1M | Premium IEEE-488 Cable, 1.0m | Normal/Normal | 122.17 | 119.73 | 114.84 | CALL |
| CIB24-2M | Premium IEEE-488 Cable, 2.0m | Normal/Normal | 137.84 | 135.08 | 129.57 | CALL |
| CIB24-2.5M | Premium IEEE-488 Cable, 2.5m | Normal/Normal | 145.67 | 142.76 | 136.93 | CALL |
| CIB24-3M | Premium IEEE-488 Cable, 3.0m | Normal/Normal | 164.71 | 161.42 | 154.83 | CALL |
| CIB24-4M | Premium IEEE-488 Cable, 4.0m | Normal/Normal | 180.49 | 176.88 | 169.66 | CALL |
| CIB24-5M | Premium IEEE-488 Cable, 5.0m | Normal/Normal | 196.16 | 192.23 | 184.39 | CALL |
| CIB24-6M | Premium IEEE-488 Cable, 6.0m | Normal/Normal | 205.08 | 200.98 | 192.77 | CALL |
| CIB24-8M | Premium IEEE-488 Cable, 8.0m | Normal/Normal | 234.24 | 229.55 | 220.18 | CALL |
| CIB24-10M | Premium IEEE-488 Cable, 10.0m | Normal/Normal | 263.40 | 258.13 | 247.59 | CALL |
| CIB24-12M | Premium IEEE-488 Cable, 12.0m | Normal/Normal | 292.56 | 286.70 | 275.00 | CALL |
| CIB24-15M | Premium IEEE-488 Cable, 15.0m | Normal/Normal | 336.18 | 329.46 | 316.01 | CALL |
| CIB24-18M | Premium IEEE-488 Cable, 18.0m | Normal/Normal | 379.92 | 372.32 | 357.13 | CALL |

Premium Grade CBC24 Series IEEE-488 GPIB Cables - With One Inline GPIB Male Termination

This premium series has one conventional male-female connector. The other end terminates to a straight male-only connector, a feature sometimes preferred when there is no need to have a female end exposed. This cable is most useful when the dual-right angle connectors get in the way of other system cables and particularly in a computer back plane.

| | | | | | | |
|-----------|------------------------------|---------------|--------|--------|--------|------|
| CBC24-05M | Premium IEEE-488 Cable, 0.5m | Normal/Inline | 106.51 | 100.11 | 93.72 | CALL |
| CBC24-1M | Premium IEEE-488 Cable, 1.0m | Normal/Inline | 112.05 | 105.33 | 98.61 | CALL |
| CBC24-2M | Premium IEEE-488 Cable, 2.0m | Normal/Inline | 123.26 | 115.87 | 108.47 | CALL |
| CBC24-3M | Premium IEEE-488 Cable, 3.0m | Normal/Inline | 134.47 | 126.40 | 118.33 | CALL |
| CBC24-4M | Premium IEEE-488 Cable, 4.0m | Normal/Inline | 145.67 | 136.93 | 128.19 | CALL |
| CBC24-5M | Premium IEEE-488 Cable, 5.0m | Normal/Inline | 156.88 | 147.47 | 138.05 | CALL |
| CBC24-8M | Premium IEEE-488 Cable, 8.0m | Normal/Inline | 190.50 | 179.07 | 167.64 | CALL |

Premium Grade CBD24 Series IEEE-488 GPIB Cables - With Two Inline GPIB Male Terminations

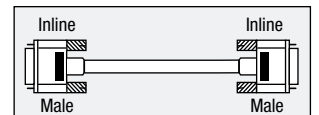
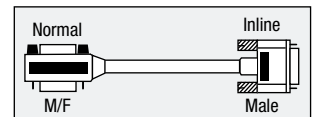
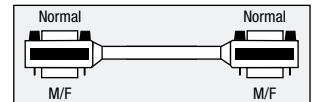
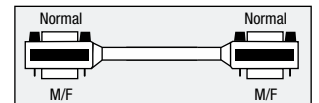
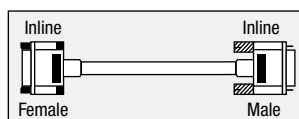
We've also provided this premium series IEEE-488 cable equipped with two single ended male ends. This cable type is not only useful in many applications, but also saves money. It has the same specifications as the basic CIB24 series. All connector guards are cast metal, not stamped metal.

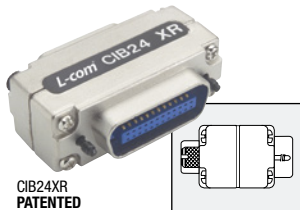
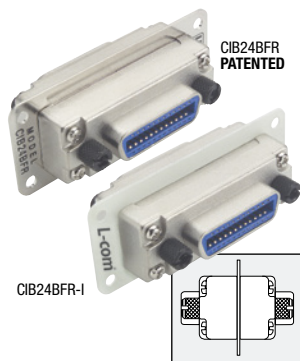
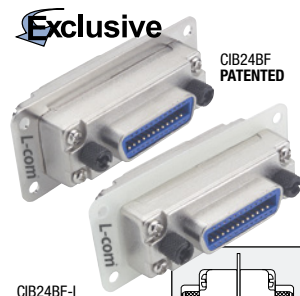
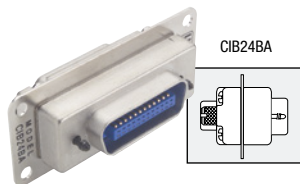
| | | | | | | |
|-----------|------------------------------|---------------|--------|--------|--------|------|
| CBD24-05M | Premium IEEE-488 Cable, 0.5m | Inline/Inline | 100.85 | 94.80 | 88.75 | CALL |
| CBD24-1M | Premium IEEE-488 Cable, 1.0m | Inline/Inline | 106.51 | 100.11 | 93.72 | CALL |
| CBD24-2M | Premium IEEE-488 Cable, 2.0m | Inline/Inline | 117.71 | 110.65 | 103.59 | CALL |
| CBD24-3M | Premium IEEE-488 Cable, 3.0m | Inline/Inline | 128.92 | 121.18 | 113.45 | CALL |
| CBD24-4M | Premium IEEE-488 Cable, 4.0m | Inline/Inline | 140.12 | 131.72 | 123.31 | CALL |
| CBD24-5M | Premium IEEE-488 Cable, 5.0m | Inline/Inline | 151.33 | 142.25 | 133.17 | CALL |
| CBD24-8M | Premium IEEE-488 Cable, 8.0m | Inline/Inline | 184.95 | 173.85 | 162.76 | CALL |

Premium Grade CBX24 IEEE-488 GPIB Extension Cables - One Inline Male to One Inline Female Connector

The world's first true IEEE-488 extension cable adds versatility to the inline series as an everyday means of interconnection. A useful cable for those situations which require a longer cable.

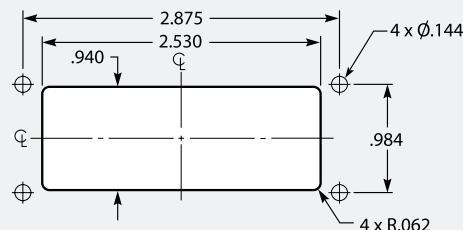
| | | | | | | |
|----------|--|---------------|--------|--------|--------|------|
| CBX24-1M | Premium IEEE-488 Extension Cable, 1.0m | Inline/Inline | 106.51 | 100.11 | 93.72 | CALL |
| CBX24-2M | Premium IEEE-488 Extension Cable, 2.0m | Inline/Inline | 117.71 | 110.65 | 103.59 | CALL |
| CBX24-3M | Premium IEEE-488 Extension Cable, 3.0m | Inline/Inline | 128.92 | 121.18 | 113.45 | CALL |





| Item # | Description | Connector Orientation | 1-9 | 10-24 | 25-99 | 100+ |
|-----------|---|-----------------------|-------|-------|-------|------|
| CIB24BA | IEEE-488 Bulkhead Adapter, Male/Female | Normal | 41.95 | 38.59 | 35.23 | CALL |
| CIB24BF | IEEE-488 Bulkhead Adapter, Female/Female | Normal | 44.57 | 41.00 | 37.44 | CALL |
| CIB24BF-I | IEEE-488 Bulkhead Adapter, Insulated, Female/Female | Normal | 45.88 | 42.21 | 38.54 | CALL |

Recommended Panel Openings for IEEE-488 GPIB Bulkhead Adapters



Tip *L-com reverse entry adapters solve cable extension problems in the field.*

Before:

Typical GPIB cables with normal entry are difficult to extend.

A



After:

A reverse entry adapter solves the problem.

B



| Item # | Description | Connector Orientation | 1-9 | 10-24 | 25-99 | 100+ |
|------------|---|-----------------------|-------|-------|-------|------|
| CIB24BFR | Reverse Entry IEEE-488 Bulkhead Adapter, Female/Female | Reverse | 44.57 | 41.00 | 37.44 | CALL |
| CIB24BFR-I | Reverse Entry IEEE-488 Bulkhead Adapter, Insulated, Female/Female | Reverse | 45.88 | 42.21 | 38.54 | CALL |

IEEE-488 GPIB Reverse GPIB Adapter - For Easy Extension of Two Standard IEEE-488 Cables

| | | | | | | |
|----------|--|---------|-------|-------|-------|------|
| CIB24XFR | 180° Reverse IEEE-488 Adapter, Female/Female | Reverse | 34.08 | 31.35 | 28.63 | CALL |
|----------|--|---------|-------|-------|-------|------|

IEEE-488 GPIB Reverse Extender - Changes Cable Direction 180° and Extends Port

| | | | | | | |
|---------|---|---------|-------|-------|-------|------|
| CIB24XR | 180° Reverse IEEE-488 Extender, Male/Female | Reverse | 34.08 | 31.35 | 28.63 | CALL |
|---------|---|---------|-------|-------|-------|------|

IEEE-488 GPIB Transfer Switches - Compact Metal Construction and Rotary Switching

An economy transfer switch that is fully shielded to afford maximum RFI/EMI protection. Two models are offered, the traditional A-B two position type and an A-B-C-D switch box.

| | | | | | |
|--------------|--|--------|--------|--------|------|
| CTS1224GAB | 2 Way IEEE-488 Switch Box, A or B to I/O | 123.21 | 115.82 | 108.43 | CALL |
| CTS2424-4GPN | 4 Way IEEE-488 Switch Box, A, B, C or D to I/O | 137.63 | 129.38 | 121.12 | CALL |

| Item # | Description | List Price |
|---------|-----------------------------|------------|
| USB-488 | USB to GPIB Converter Cable | 533.62 |

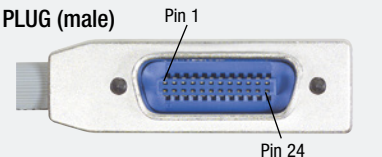
USB-488 USB to GPIB Converter Cable

The USB-488 is a USB to GPIB Controller Module that converts any PC with a USB interface into a full-function, IEEE 488.2 Bus Controller.

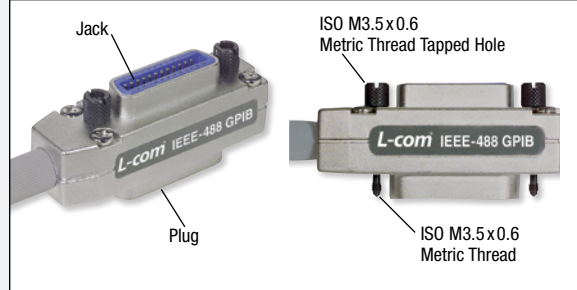
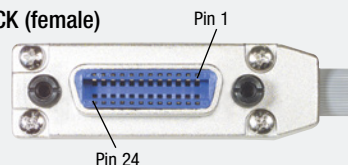
IEEE-488 GPIB Connector Specifications

The IEEE-488 GPIB connector utilizes 24 contacts in a parallel configuration.

PLUG (male)



JACK (female)



| Item # | Description | Connector Orientation | 1-9 | 10-24 | 25-99 | 100+ |
|---|---|-----------------------|-------|-------|-------|------|
| IEEE-488 GPIB Extender - This Handy Device Provides a One Inch Added Clearance | | | | | | |
| Our GPIB extender is sometimes used to provide a one inch extension allowing right angle cables that extra margin to clear adjoining obstacles. | | | | | | |
| CIB24X | IEEE-488 Extension Adapter, Male/Female | Normal | 31.46 | 28.94 | 26.43 | CALL |

IEEE-488 GPIB Extender - With Modified Male Guard, Eliminates Thick Panel Interference

This unique extender has a modified male connector flange that is intentionally made shorter. This shorter flange prevents problems in applications requiring plugging into a receptacle that is mounted on a thick panel that interferes and will not allow the connector to seat properly.

| | | | | | | |
|---------|---|--------|-------|-------|-------|------|
| CIB24XM | Modified IEEE-488 Extender, Male/Female | Normal | 34.08 | 31.35 | 28.63 | CALL |
|---------|---|--------|-------|-------|-------|------|

IEEE-488 GPIB Slim-line Extenders - Provide One Inch Additional Clearance, Fits Narrow PC Ports

These handy, hard to find extenders are normally used to provide a one inch extension allowing right angle cables that extra margin to clear nearby obstacles. Special 0.73" (1.9cm) height allows for use with computers having narrow port openings.

| | | | | | | |
|----------|--|---------|-------|-------|-------|------|
| CIB24XC | Slim-line IEEE-488 Extender, Male/Female | Normal | 35.39 | 32.56 | 29.73 | CALL |
| CIB24XCR | Reverse Entry IEEE-488 Slim-line Extender, Male/Female | Reverse | 39.32 | 36.18 | 33.03 | CALL |

IEEE-488 GPIB Ultra Slim-line Extender - No Frills, Fully Shielded, Cast Body

There's a growing need for a slimmer IEEE-488 extender that will clear narrow PC port openings. The CIB24XE slimline extender fills that need with an overall width of 0.62 inches (1.6cm). Connectors are cast aluminum with nickel plating and shielding is maintained with copper foil.

| | | | | | | |
|---------|---|--------|-------|-------|-------|------|
| CIB24XE | IEEE-488 Ultra Slim-line Extender-Cast, Male/Female | Normal | 24.91 | 22.91 | 20.92 | CALL |
|---------|---|--------|-------|-------|-------|------|

IEEE-488 GPIB Socket/Connectors - Standard 24 Pin, Mates with all IEEE-488 Interfaces

These GPIB socket/connectors are ideal for production or replacement use and meet the highest quality standards. Contacts are gold plated for the best connectivity, mating hardware is plated with Black oxide. All plastic materials are UL94V-0 flammability rated. Quantity pricing is available upon request.

| | | | | | |
|----------|---|------|------|------|------|
| CIB24S | Female IEEE-488 Connector, Solder Lug Terminals | 8.31 | 7.64 | 6.98 | CALL |
| CIB24SPC | Female IEEE-488 Connector, Straight PC Terminals | 8.31 | 7.64 | 6.98 | CALL |
| CIB24SRA | Female IEEE-488 Connector, Right Angle PC Terminals | 8.31 | 7.64 | 6.98 | CALL |

IEEE-488 GPIB Connector Shielding Covers - Protect Against Contamination, Physical Damage & RFI

L-com offers two cast aluminum covers that mate to the exposed end of the GPIB cable connector. These covers have many uses such as in production or shipping to protect against dirt or damage to the exposed connector.

| | | | | | |
|---------|--|------|------|------|------|
| CIB24C | IEEE-488 Connector Cover, Mates Female GPIB Connectors | 8.31 | 7.64 | 6.98 | CALL |
| CIB24CB | IEEE-488 Connector Cover, As Above but Black Anodized Finish | 8.31 | 7.64 | 6.98 | CALL |
| CIB24CM | IEEE-488 Connector Cover, Mates Male GPIB Connectors | 8.31 | 7.64 | 6.98 | CALL |

IEEE-488 GPIB Inline Connector Kit - A Good Way to Retrofit Defective Cables

This unique GPIB inline connector kit allows the user to assemble their own inline IEEE-488 connectors. It includes a solder style male connector, two piece cast aluminum housing, two thumbscrews and a cable clamp. By using this inline connector kit, fast field cable terminations can be realized.

| | | | | | |
|--------|------------------------------------|-------|-------|-------|------|
| CB24SM | IEEE-488 Inline Male Connector Kit | 17.88 | 16.45 | 15.02 | CALL |
|--------|------------------------------------|-------|-------|-------|------|

IEEE-488 GPIB Thumbscrews

These handy GPIB thumbscrews are available in packages of 20 and can be used with L-com's Molded, Deluxe and Premium GPIB cable assemblies.

| | | | | | |
|---------------|--|-------|-------|-------|------|
| GPIB-TMBSC-14 | IEEE-488 GPIB Thumbscrew, Molded Normal and Reverse Connectors, Pkg/20 | 14.42 | 13.84 | 13.27 | CALL |
| GPIB-TMBSC-15 | IEEE-488 GPIB Thumbscrew, Assembled Inline Connectors, Pkg/20 | 14.42 | 13.84 | 13.27 | CALL |
| GPIB-TMBSC-16 | IEEE-488 GPIB Thumbscrew, Molded Inline Connectors, Pkg/20 | 14.42 | 13.84 | 13.27 | CALL |
| GPIB-TMBSC-18 | IEEE-488 GPIB Thumbscrew, Assembled Normal Connectors, Pkg/20 | 14.42 | 13.84 | 13.27 | CALL |

Universal Series Sub-Panel with IEEE-488 GPIB Feed-Thru

This is the most efficient way of passing an IEEE-488 cable through a panel to provide access from outside the console. There are two basic feed-thru models available. The BFB model will accept a male terminated cable on each side with normal orientation. The BFRB version reverses cable direction.

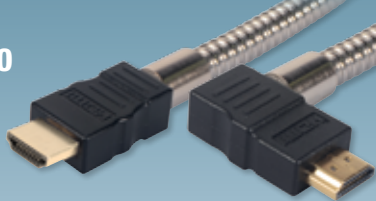
| | | | | | |
|-----------|---|-------|-------|-------|------|
| USP24BFB | Universal Sub-Panel, IEEE-488 Bulkhead Adapter, Normal Entry | 40.36 | 38.75 | 37.13 | CALL |
| USP24BFRB | Universal Sub-Panel, IEEE-488 Bulkhead Adapter, Reverse Entry | 40.36 | 38.75 | 37.13 | CALL |
| UPR35-6B | Universal Master Rack Panel with 6 Openings, Black Color | 28.96 | 27.80 | 26.64 | CALL |

IEEE-488 Multi-Tap Bus Strips - Four or Eight GPIB Receptacles with Optional Mounting Brackets

Our multi-tap bus strips simplify and expedite instrument relocations and changeovers by eliminating bulky cable assembly piggy-backing. Four or eight female connectors wired in parallel with locking standoffs accept GPIB cables in a single plane. Built of heavy chrome plated steel and fully shielded to minimize RFI/EMI disturbances. Supplied with rubber feet that rest on any flat surface and optional mounting brackets.

| | | | | | |
|----------|---|--------|--------|-------|------|
| CIB24MT | Multi-Tap Bus Strip with 4 IEEE-488 Receptacles | 45.59 | 45.14 | 44.68 | CALL |
| CIB24MT2 | Multi-Tap Bus Strip with 8 IEEE-488 Receptacles | 101.55 | 100.53 | 99.52 | CALL |





Audio/Video Tutorial

What are Audio/Video products?

Audio/Video products consist of cables, adapters, converters and extenders which utilize various video and audio interfaces to transmit and receive video and/or audio signals.





How are Audio/Video products used?

The primary function of Audio/Video cables is the interconnection between a signal generating device such as a CPU (Central Processing Unit) and a display device such as a monitor.

Where are Audio/Video products used?

Audio/Video products are used in a wide variety of video and/or audio signal transmission applications found in homes, businesses, government, industrial, and military applications.

Common Audio/Video Interfaces

| | HDMI (High Definition Multimedia Interface) | DP (DisplayPort) | DVI (Digital Video Interface) | SVGA (Super Video Graphics Array) |
|----------------------------|---|---|--|---|
| |  |  |  |  |
| Standards Group | HDMI Licensing, LLC. (Consortium of consumer electronics manufacturers) | VESA (Video Electronics Standards Association) | DDWG (Digital Display Work Group) | VESA (Video Electronics Standards Association) |
| Maximum Channels | 8 | 8 | 6 (Dual Link) | N/A |
| Maximum Resolution | HDTV 720P and 1080P | 1080p | QXGA (2048 x 1536) | 800 x 600 |
| Analog/Digital Combination | No | No | DVI-I (24 + 4 Pin) Yes | No |
| Digital/Audio | Yes | Yes | No | No |

DVI Connector Configuration Chart

Shown are a number of DVI connector interfaces that can be identified by the pin configurations. They include DVI-A (analog only), DVI-D (digital only) and DVI-I (analog and digital). In addition, single link and dual link configurations exist for both DVI-D and DVI-I. Shown are the major configurations illustrating the distinguishing features for each type of DVI interface.

ANALOG AND DIGITAL



DVI-I Single Link

Three rows of 6 pins and two contacts above and below the flat blade.



DVI-I Dual Link

Three rows of 8 pins and two contacts above and below the flat blade.

ANALOG ONLY



DVI-A

One row of 5 pins, one row of 3 pins and one row of 4 pins with two contacts above and below the flat blade.

DIGITAL ONLY



DVI-D Single Link

Three rows of 6 pins and no contacts above or below the flat blade.



DVI-D Dual Link

Three rows of 8 pins and no contacts above or below the flat blade.

Predictable Performance from L-com

As a member of both VESA and HDMI Licensing LLC., L-com ensures our audio/video products comply with the latest standards and undergo the required performance testing to provide our customers with best in class products. Our commitment to the highest quality components, manufacturing processes, and testing ensures predictable performance every time.



Competitors non-certified, low cost cable.
Blurred, ghosted image.



L-com certified and tested cable.
Clear, crisp image.



HDMI® Certification

HDMI Licensing, LLC. is the governing body that controls the HDMI standards and sets forth specific performance criteria for HDMI products. In order to manufacture and market HDMI products legally, a manufacturer must be an active member and their products must pass rigorous testing to ensure optimal performance. Since 2009, L-com has been a member of the HDMI Licensing group to guarantee our customers receive only the highest quality HDMI products.



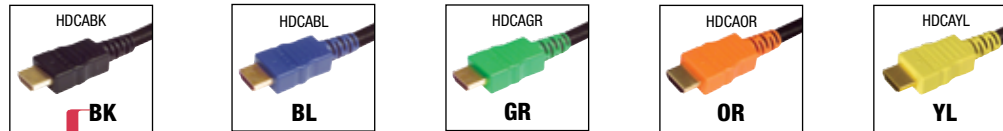
VESA Member

The Video Electronic Standards Associations (VESA) supports and sets industry-wide interface standards for the PC, workstation, and consumer electronics industries. As a member of VESA, L-com builds and certifies its products to the standards VESA governs ensuring our customers receive quality interoperable solutions.

| Item # | Description | 1-9 | 10-24 | 25-99 | 100+ |
|---|--|-------|-------|-------|------|
| Premium High Speed HDMI® Male to Male Cable Assemblies - 30 Microinch (0.762µm) Gold Plated Contacts | | | | | |
| L-com's HDCAMM series HDMI cables offer a cost effective way to support myriad HDMI applications. Each cable is functionally tested to ensure top performance and features rugged over mold connectors, PVC jackets, and double shielding which protects your A/V signals from EMI/RFI. Available in six standard off the shelf lengths, these cables are perfect for all your HDMI applications. As an HDMI adopter, L-com's HDMI cables are certified by HDMI Licensing LLC. Custom cable lengths are available upon request. | | | | | |
| HDCAMM-0.5 | High Speed HDMI Cable with Ethernet, HDMI Male/HDMI Male, 0.5m | 19.64 | 18.07 | 16.49 | CALL |
| HDCAMM-1 | High Speed HDMI Cable with Ethernet, HDMI Male/HDMI Male, 1.0m | 23.78 | 21.88 | 19.98 | CALL |
| HDCAMM-2 | High Speed HDMI Cable with Ethernet, HDMI Male/HDMI Male, 2.0m | 27.93 | 25.69 | 23.46 | CALL |
| HDCAMM-3 | High Speed HDMI Cable with Ethernet, HDMI Male/HDMI Male, 3.0m | 32.07 | 29.50 | 26.94 | CALL |
| HDCAMM-4 | High Speed HDMI Cable with Ethernet, HDMI Male/HDMI Male, 4.0m | 36.22 | 33.32 | 30.42 | CALL |
| HDCAMM-5 | High Speed HDMI Cable with Ethernet, HDMI Male/HDMI Male, 5.0m | 40.36 | 37.13 | 33.90 | CALL |

Premium High Speed HDMI® Cable Assemblies with Colored Over Molds - 30µ Gold Plated Contacts

L-com offers an extensive line of high speed HDMI cables with Ethernet featuring different colored connector over molds. Color coding helps with visual identification of attached services/equipment. These color coded HDMI cables support the latest HDMI features including 3D over HDMI and Ethernet Channel.



| | | | | | |
|------------|--|-------|-------|-------|------|
| HDCA --0.5 | High Speed HDMI Cable with Ethernet, HDMI Male/HDMI Male, 0.5m | 19.33 | 18.17 | 17.01 | CALL |
| HDCA --1 | High Speed HDMI Cable with Ethernet, HDMI Male/HDMI Male, 1.0m | 23.88 | 22.45 | 21.02 | CALL |
| HDCA --2 | High Speed HDMI Cable with Ethernet, HDMI Male/HDMI Male, 2.0m | 28.44 | 26.74 | 25.03 | CALL |
| HDCA --3 | High Speed HDMI Cable with Ethernet, HDMI Male/HDMI Male, 3.0m | 33.00 | 31.02 | 29.04 | CALL |
| HDCA --4 | High Speed HDMI Cable with Ethernet, HDMI Male/HDMI Male, 4.0m | 37.56 | 35.31 | 33.05 | CALL |
| HDCA --5 | High Speed HDMI Cable with Ethernet, HDMI Male/HDMI Male, 5.0m | 42.12 | 39.59 | 37.07 | CALL |

Deluxe High Speed HDMI® Male to Male Cable Assemblies - Gold Plated Contacts, Fully Shielded

L-com's CGHDMM series HDMI cable products offer a very cost effective way to support myriad HDMI applications.

| | | | | | |
|------------|--|-------|-------|-------|------|
| CGHDMM-0.3 | High Speed HDMI Cable with Ethernet, HDMI Male/HDMI Male, 0.3m | 11.24 | 10.34 | 9.44 | CALL |
| CGHDMM-0.5 | High Speed HDMI Cable with Ethernet, HDMI Male/HDMI Male, 0.5m | 11.86 | 10.92 | 9.97 | CALL |
| CGHDMM-1 | High Speed HDMI Cable with Ethernet, HDMI Male/HDMI Male, 1.0m | 13.42 | 12.35 | 11.27 | CALL |
| CGHDMM-2 | High Speed HDMI Cable with Ethernet, HDMI Male/HDMI Male, 2.0m | 16.53 | 15.21 | 13.88 | CALL |
| CGHDMM-3 | High Speed HDMI Cable with Ethernet, HDMI Male/HDMI Male, 3.0m | 19.64 | 18.07 | 16.49 | CALL |
| CGHDMM-4 | High Speed HDMI Cable with Ethernet, HDMI Male/HDMI Male, 4.0m | 22.74 | 20.93 | 19.11 | CALL |
| CGHDMM-5 | High Speed HDMI Cable with Ethernet, HDMI Male/HDMI Male, 5.0m | 25.85 | 23.78 | 21.72 | CALL |

High Speed HDMI® Cable with Ethernet - Panel Mount HDMI® Female to Male

L-com's unique PMHDMF-XX series panel mount HDMI cable family features fully molded female HDMI panel mount connectors to address multiple panel and enclosure applications requiring HDMI connectivity. As an HDMI Adopter, L-com's HDMI cables are certified by HDMI Licensing LLC. to perform to the latest HDMI specification. These HDMI cable products support HDMI Ethernet Channel, Audio Return Channel, 3D over HDMI, 4K video, and additional color spaces. Additional features include rugged over mold connectors, PVC jackets, and double shielding which protects your A/V signals from EMI/RFI. Available in six off the shelf lengths, these cables are perfect for all your high speed HDMI applications.

| | | | | | |
|------------|--|-------|-------|-------|------|
| PMHDMF-0.5 | High Speed HDMI Cable with Ethernet, Male/Panel Mount Female, 0.5m | 20.62 | 19.38 | 18.15 | CALL |
| PMHDMF-1 | High Speed HDMI Cable with Ethernet, Male/Panel Mount Female, 1.0m | 24.97 | 23.47 | 21.98 | CALL |
| PMHDMF-2 | High Speed HDMI Cable with Ethernet, Male/Panel Mount Female, 2.0m | 29.32 | 27.56 | 25.81 | CALL |
| PMHDMF-3 | High Speed HDMI Cable with Ethernet, Male/Panel Mount Female, 3.0m | 33.68 | 31.66 | 29.64 | CALL |
| PMHDMF-4 | High Speed HDMI Cable with Ethernet, Male/Panel Mount Female, 4.0m | 38.03 | 35.75 | 33.47 | CALL |
| PMHDMF-5 | High Speed HDMI Cable with Ethernet, Male/Panel Mount Female, 5.0m | 42.38 | 39.84 | 37.29 | CALL |

Standard HDMI® to Micro HDMI® Cable Assemblies

These cables are the perfect solution for connecting a newer mobile device to a standard TV or monitor. As space is at a premium on new, thin mobile devices, compact connectors such as the Micro HDMI have been growing in popularity. We offer this assembly in three off the shelf lengths.

| | | | | | |
|------------|---|-------|-------|-------|------|
| MICHD-HD-1 | HDMI Cable, HDMI Male/Micro HDMI Male, 1.0m | 21.76 | 20.45 | 19.15 | CALL |
| MICHD-HD-2 | HDMI Cable, HDMI Male/Micro HDMI Male, 2.0m | 24.87 | 23.38 | 21.88 | CALL |
| MICHD-HD-3 | HDMI Cable, HDMI Male/Micro HDMI Male, 3.0m | 27.98 | 26.30 | 24.62 | CALL |

High Speed HDMI® to Mini HDMI® Cable Assemblies

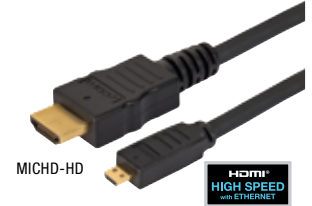
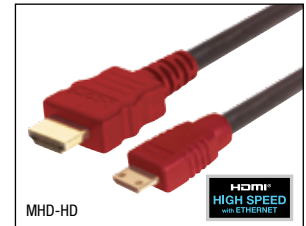
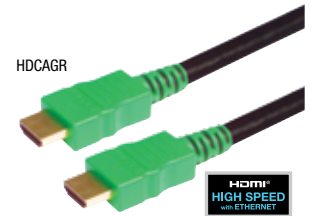
Our HDMI to Mini HDMI cables are perfect for connecting standard HDMI interfaces to Mini HDMI peripherals such as camcorders, displays and digital cameras. By utilizing these assemblies there is no need to purchase a separate standalone adapter.

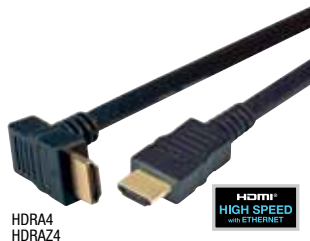
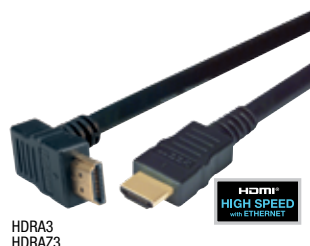
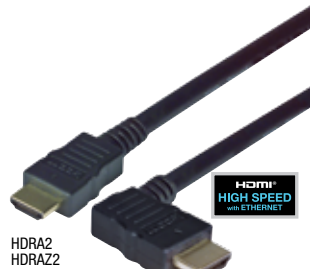
| | | | | | |
|------------|---|-------|-------|-------|------|
| MHD-HD-0.5 | High Speed HDMI Cable with Ethernet, HDMI Male/Mini HDMI Male, 0.5m | 18.44 | 17.34 | 16.23 | CALL |
| MHD-HD-1 | High Speed HDMI Cable with Ethernet, HDMI Male/Mini HDMI Male, 1.0m | 22.80 | 21.43 | 20.06 | CALL |
| MHD-HD-2 | High Speed HDMI Cable with Ethernet, HDMI Male/Mini HDMI Male, 2.0m | 27.15 | 25.52 | 23.89 | CALL |
| MHD-HD-3 | High Speed HDMI Cable with Ethernet, HDMI Male/Mini HDMI Male, 3.0m | 31.50 | 29.61 | 27.72 | CALL |
| MHD-HD-4 | High Speed HDMI Cable with Ethernet, HDMI Male/Mini HDMI Male, 4.0m | 35.85 | 33.70 | 31.55 | CALL |
| MHD-HD-5 | High Speed HDMI Cable with Ethernet, HDMI Male/Mini HDMI Male, 5.0m | 40.20 | 37.79 | 35.38 | CALL |

Premium HDMI® to DVI-D Cable Assemblies - Fully Molded

High Definition Multimedia Interface (HDMI) is the latest interface for the connection of audio/video equipment. HDMI is fully backwards compatible with DVI video signals. This series of cable allows connection of the digital video signal from a DVI-D interface to a HDMI interface. Available in 5 standard lengths from 1 to 5 meters.

| | | | | | |
|-------------|---|-------|-------|-------|------|
| HD-DVI-MM-1 | HDMI Cable, HDMI Male/DVI-D Male, Single Link, 1.0m | 19.64 | 18.46 | 17.28 | CALL |
| HD-DVI-MM-2 | HDMI Cable, HDMI Male/DVI-D Male, Single Link, 2.0m | 25.85 | 24.30 | 22.75 | CALL |
| HD-DVI-MM-3 | HDMI Cable, HDMI Male/DVI-D Male, Single Link, 3.0m | 32.07 | 30.15 | 28.22 | CALL |
| HD-DVI-MM-4 | HDMI Cable, HDMI Male/DVI-D Male, Single Link, 4.0m | 38.29 | 35.99 | 33.69 | CALL |
| HD-DVI-MM-5 | HDMI Cable, HDMI Male/DVI-D Male, Single Link, 5.0m | 44.50 | 41.83 | 39.16 | CALL |





| Item # | Description | 1-9 | 10-24 | 25-99 | 100+ |
|--------|-------------|-----|-------|-------|------|
|--------|-------------|-----|-------|-------|------|

L-com's High Speed HDMI® 90° Angled Cable Assemblies - PVC Jacket, 4 Exit Options Available

L-com's HDRA series cables are perfect for tight fit and confined space HDMI applications. These rugged cable assemblies feature a standard HDMI Male connector on one end and an angled HDMI Male connector on the other. These angled HDMI cables are designed for use in enclosures, cabinets or other confined spaces where standard HDMI connectors will not fit.

High Speed HDMI® Cable with Ethernet, Straight Male/Right Angle Male, Right Exit

| | | | | | |
|----------|--|-------|-------|-------|------|
| HDRA-0.5 | High Speed HDMI Cable with Ethernet, Straight Male/Right Exit Male, 0.5m | 19.64 | 18.46 | 17.28 | CALL |
| HDRA-1 | High Speed HDMI Cable with Ethernet, Straight Male/Right Exit Male, 1.0m | 23.78 | 22.35 | 20.93 | CALL |
| HDRA-2 | High Speed HDMI Cable with Ethernet, Straight Male/Right Exit Male, 2.0m | 27.93 | 26.25 | 24.57 | CALL |
| HDRA-3 | High Speed HDMI Cable with Ethernet, Straight Male/Right Exit Male, 3.0m | 32.07 | 30.15 | 28.22 | CALL |
| HDRA-5 | High Speed HDMI Cable with Ethernet, Straight Male/Right Exit Male, 5.0m | 40.36 | 37.94 | 35.52 | CALL |

High Speed HDMI® Cable with Ethernet, Straight Male/Right Angle Male, Left Exit

| | | | | | |
|-----------|---|-------|-------|-------|------|
| HDRA2-0.5 | High Speed HDMI Cable with Ethernet, Straight Male/Left Exit Male, 0.5m | 19.64 | 18.46 | 17.28 | CALL |
| HDRA2-1 | High Speed HDMI Cable with Ethernet, Straight Male/Left Exit Male, 1.0m | 23.78 | 22.35 | 20.93 | CALL |
| HDRA2-2 | High Speed HDMI Cable with Ethernet, Straight Male/Left Exit Male, 2.0m | 27.93 | 26.25 | 24.57 | CALL |
| HDRA2-4 | High Speed HDMI Cable with Ethernet, Straight Male/Left Exit Male, 4.0m | 36.22 | 34.04 | 31.87 | CALL |
| HDRA2-5 | High Speed HDMI Cable with Ethernet, Straight Male/Left Exit Male, 5.0m | 40.36 | 37.94 | 35.52 | CALL |

High Speed HDMI® Cable with Ethernet, Straight Male/Right Angle Male, Top Exit

| | | | | | |
|-----------|--|-------|-------|-------|------|
| HDRA3-0.5 | High Speed HDMI Cable with Ethernet, Straight Male/Top Exit Male, 0.5m | 19.64 | 18.46 | 17.28 | CALL |
| HDRA3-1 | High Speed HDMI Cable with Ethernet, Straight Male/Top Exit Male, 1.0m | 23.78 | 22.35 | 20.93 | CALL |
| HDRA3-2 | High Speed HDMI Cable with Ethernet, Straight Male/Top Exit Male, 2.0m | 27.93 | 26.25 | 24.57 | CALL |
| HDRA3-3 | High Speed HDMI Cable with Ethernet, Straight Male/Top Exit Male, 3.0m | 32.07 | 30.15 | 28.22 | CALL |
| HDRA3-4 | High Speed HDMI Cable with Ethernet, Straight Male/Top Exit Male, 4.0m | 36.22 | 34.04 | 31.87 | CALL |
| HDRA3-5 | High Speed HDMI Cable with Ethernet, Straight Male/Top Exit Male, 5.0m | 40.36 | 37.94 | 35.52 | CALL |

High Speed HDMI® Cable with Ethernet, Straight Male/Right Angle Male, Bottom Exit

| | | | | | |
|-----------|---|-------|-------|-------|------|
| HDRA4-0.5 | High Speed HDMI Cable with Ethernet, Straight Male/Bottom Exit Male, 0.5m | 19.64 | 18.46 | 17.28 | CALL |
| HDRA4-1 | High Speed HDMI Cable with Ethernet, Straight Male/Bottom Exit Male, 1.0m | 23.78 | 22.35 | 20.93 | CALL |
| HDRA4-2 | High Speed HDMI Cable with Ethernet, Straight Male/Bottom Exit Male, 2.0m | 27.93 | 26.25 | 24.57 | CALL |
| HDRA4-3 | High Speed HDMI Cable with Ethernet, Straight Male/Bottom Exit Male, 3.0m | 32.07 | 30.15 | 28.22 | CALL |
| HDRA4-4 | High Speed HDMI Cable with Ethernet, Straight Male/Bottom Exit Male, 4.0m | 36.22 | 34.04 | 31.87 | CALL |
| HDRA4-5 | High Speed HDMI Cable with Ethernet, Straight Male/Bottom Exit Male, 5.0m | 40.36 | 37.94 | 35.52 | CALL |

L-com's High Speed HDMI® Angled Cable Assemblies - Low Smoke Zero Halogen Jacket

L-com's HDRA series Low Smoke Zero Halogen cables are perfect for tight fit and confined space HDMI applications.

High Speed HDMI® LSZH Cable with Ethernet, Straight Male/Right Angle Male, Right Exit

| | | | | | |
|-----------|---|-------|-------|-------|------|
| HDRAZ-0.5 | High Speed HDMI LSZH Cable with Ethernet, Straight Male/Right Exit Male, 0.5m | 21.71 | 20.41 | 19.10 | CALL |
| HDRAZ-1 | High Speed HDMI LSZH Cable with Ethernet, Straight Male/Right Exit Male, 1.0m | 25.85 | 24.30 | 22.75 | CALL |
| HDRAZ-2 | High Speed HDMI LSZH Cable with Ethernet, Straight Male/Right Exit Male, 2.0m | 30.00 | 28.20 | 26.40 | CALL |
| HDRAZ-3 | High Speed HDMI LSZH Cable with Ethernet, Straight Male/Right Exit Male, 3.0m | 34.14 | 32.09 | 30.05 | CALL |
| HDRAZ-5 | High Speed HDMI LSZH Cable with Ethernet, Straight Male/Right Exit Male, 5.0m | 42.43 | 39.89 | 37.34 | CALL |

High Speed HDMI® LSZH Cable with Ethernet, Straight Male/Right Angle Male, Left Exit

| | | | | | |
|------------|--|-------|-------|-------|------|
| HDRAZ2-0.5 | High Speed HDMI LSZH Cable with Ethernet, Straight Male/Left Exit Male, 0.5m | 21.71 | 20.41 | 19.10 | CALL |
| HDRAZ2-1 | High Speed HDMI LSZH Cable with Ethernet, Straight Male/Left Exit Male, 1.0m | 25.85 | 24.30 | 22.75 | CALL |
| HDRAZ2-2 | High Speed HDMI LSZH Cable with Ethernet, Straight Male/Left Exit Male, 2.0m | 30.00 | 28.20 | 26.40 | CALL |
| HDRAZ2-4 | High Speed HDMI LSZH Cable with Ethernet, Straight Male/Left Exit Male, 4.0m | 38.29 | 35.99 | 33.69 | CALL |
| HDRAZ2-5 | High Speed HDMI LSZH Cable with Ethernet, Straight Male/Left Exit Male, 5.0m | 42.43 | 39.89 | 37.34 | CALL |

High Speed HDMI® LSZH Cable with Ethernet, Straight Male/Right Angle Male, Top Exit

| | | | | | |
|------------|---|-------|-------|-------|------|
| HDRAZ3-0.5 | High Speed HDMI LSZH Cable with Ethernet, Straight Male/Top Exit Male, 0.5m | 21.71 | 20.41 | 19.10 | CALL |
| HDRAZ3-1 | High Speed HDMI LSZH Cable with Ethernet, Straight Male/Top Exit Male, 1.0m | 25.85 | 24.30 | 22.75 | CALL |
| HDRAZ3-2 | High Speed HDMI LSZH Cable with Ethernet, Straight Male/Top Exit Male, 2.0m | 30.00 | 28.20 | 26.40 | CALL |
| HDRAZ3-3 | High Speed HDMI LSZH Cable with Ethernet, Straight Male/Top Exit Male, 3.0m | 34.14 | 32.09 | 30.05 | CALL |
| HDRAZ3-4 | High Speed HDMI LSZH Cable with Ethernet, Straight Male/Top Exit Male, 4.0m | 38.29 | 35.99 | 33.69 | CALL |
| HDRAZ3-5 | High Speed HDMI LSZH Cable with Ethernet, Straight Male/Top Exit Male, 5.0m | 42.43 | 39.89 | 37.34 | CALL |

High Speed HDMI® LSZH Cable with Ethernet, Straight Male/Right Angle Male, Bottom Exit

| | | | | | |
|------------|--|-------|-------|-------|------|
| HDRAZ4-0.5 | High Speed HDMI LSZH Cable with Ethernet, Straight Male/Bottom Exit Male, 0.5m | 21.71 | 20.41 | 19.10 | CALL |
| HDRAZ4-1 | High Speed HDMI LSZH Cable with Ethernet, Straight Male/Bottom Exit Male, 1.0m | 25.85 | 24.30 | 22.75 | CALL |
| HDRAZ4-2 | High Speed HDMI LSZH Cable with Ethernet, Straight Male/Bottom Exit Male, 2.0m | 30.00 | 28.20 | 26.40 | CALL |
| HDRAZ4-3 | High Speed HDMI LSZH Cable with Ethernet, Straight Male/Bottom Exit Male, 3.0m | 34.14 | 32.09 | 30.05 | CALL |
| HDRAZ4-4 | High Speed HDMI LSZH Cable with Ethernet, Straight Male/Bottom Exit Male, 4.0m | 38.29 | 35.99 | 33.69 | CALL |
| HDRAZ4-5 | High Speed HDMI LSZH Cable with Ethernet, Straight Male/Bottom Exit Male, 5.0m | 42.43 | 39.89 | 37.34 | CALL |

L-com's High Speed HDMI® 45° Angled Cable Assemblies - PVC Jacket - Left or Right Exit

L-com's HDCA45 series 45 degree angle HDMI cable assemblies are perfect for tight fit and confined space HDMI applications. These rugged 45 degree angle HDMI cable assemblies feature a standard HDMI Male A connector on one end and a 45 degree angle HDMI Male A connector on the other. L-com's 45 degree angle HDMI cables are designed for use in enclosures, cabinets or other confined spaces where standard HDMI connector will not fit. These HDMI cables support HDMI Ethernet Channel, Audio Return Channel, 3D over HDMI, 4K video, and additional color spaces.

| | | | | | |
|---------------|---|-------|-------|-------|------|
| HDCA453MM-0.5 | High Speed HDMI Cable with Ethernet, Straight Male/Left Exit Male, 0.5m | 22.74 | 20.93 | 19.11 | CALL |
| HDCA453MM-1 | High Speed HDMI Cable with Ethernet, Straight Male/Left Exit Male, 1.0m | 26.89 | 24.74 | 22.59 | CALL |
| HDCA453MM-2 | High Speed HDMI Cable with Ethernet, Straight Male/Left Exit Male, 2.0m | 31.03 | 28.55 | 26.07 | CALL |
| HDCA453MM-3 | High Speed HDMI Cable with Ethernet, Straight Male/Left Exit Male, 3.0m | 35.18 | 32.36 | 29.55 | CALL |
| HDCA453MM-4 | High Speed HDMI Cable with Ethernet, Straight Male/Left Exit Male, 4.0m | 39.32 | 36.18 | 33.03 | CALL |
| HDCA453MM-5 | High Speed HDMI Cable with Ethernet, Straight Male/Left Exit Male, 5.0m | 43.47 | 39.99 | 36.51 | CALL |

High Speed HDMI® Cable with Ethernet, Straight Male/Right Angle Male, Right Exit

| | | | | | |
|---------------|--|-------|-------|-------|------|
| HDCA454MM-0.5 | High Speed HDMI Cable with Ethernet, Straight Male/Right Exit Male, 0.5m | 22.74 | 20.93 | 19.11 | CALL |
| HDCA454MM-1 | High Speed HDMI Cable with Ethernet, Straight Male/Right Exit Male, 1.0m | 26.89 | 24.74 | 22.59 | CALL |
| HDCA454MM-2 | High Speed HDMI Cable with Ethernet, Straight Male/Right Exit Male, 2.0m | 31.03 | 28.55 | 26.07 | CALL |
| HDCA454MM-3 | High Speed HDMI Cable with Ethernet, Straight Male/Right Exit Male, 3.0m | 35.18 | 32.36 | 29.55 | CALL |
| HDCA454MM-4 | High Speed HDMI Cable with Ethernet, Straight Male/Right Exit Male, 4.0m | 41.40 | 38.08 | 34.77 | CALL |
| HDCA454MM-5 | High Speed HDMI Cable with Ethernet, Straight Male/Right Exit Male, 5.0m | 43.47 | 39.99 | 36.51 | CALL |

| Item # | Description | 1-9 | 10-24 | 25-99 | 100+ |
|--------|-------------|-----|-------|-------|------|
|--------|-------------|-----|-------|-------|------|

L-com's Mini HDMI® to Mini HDMI® Male Cable Assemblies

L-com's Mini HDMI series cable assemblies, connect HDMI host and peripheral devices directly to each other using high speed HDMI cables with Mini HDMI connectors.

| | | | | | |
|--------------|--|-------|-------|-------|------|
| MHD-MHD-0.5M | Mini HDMI to Mini HDMI Male Cable Assembly, 0.5m | 12.30 | 11.56 | 10.82 | CALL |
| MHD-MHD-1M | Mini HDMI to Mini HDMI Male Cable Assembly, 1.0m | 14.30 | 13.44 | 12.58 | CALL |
| MHD-MHD-2M | Mini HDMI to Mini HDMI Male Cable Assembly, 2.0m | 18.30 | 17.20 | 16.10 | CALL |
| MHD-MHD-3M | Mini HDMI to Mini HDMI Male Cable Assembly, 3.0m | 22.85 | 21.48 | 20.11 | CALL |

L-com's HDMI® High Flex Cable Assemblies

High Flex HDMI Cable is perfect for applications requiring high speed HDMI features and video resolutions up to 4k and have the high flexibility for routing cable in tight spaces and tight corners or applications where the cable might be mobile in its application.

| | | | | | |
|--------------|--|-------|-------|-------|------|
| VHA00001-05M | Hi-Flex HDMI Male to Male Cable Assembly, 0.5m | 18.75 | 17.25 | 15.75 | CALL |
| VHA00001-1M | Hi-Flex HDMI Male to Male Cable Assembly, 1.0m | 20.35 | 18.72 | 17.09 | CALL |
| VHA00001-2M | Hi-Flex HDMI Male to Male Cable Assembly, 2.0m | 23.50 | 21.62 | 19.74 | CALL |
| VHA00001-3M | Hi-Flex HDMI Male to Male Cable Assembly, 3.0m | 26.55 | 24.43 | 22.30 | CALL |

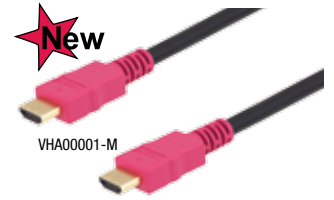
L-com's High Speed HDMI® Repeater Cable

L-com's new RHDCA series HDMI repeater cables extend the length of HDMI signals up to 20 meters (RHDCA-20) without the use of an external converter/booster. These unique HDMI repeater cables make A/V installations easy and aesthetically pleasing as the repeater module is built right into the connector over mold. These cables support High Speed HDMI which is designed to handle video resolutions of 1080p and beyond, including advanced display technologies like 3D and 4K.

| | | | | | |
|----------|--|--------|--------|--------|------|
| RHDCA-10 | High Speed HDMI Repeater Cable, Male/Male, 10.0m | 108.75 | 106.57 | 104.40 | CALL |
| RHDCA-12 | High Speed HDMI Repeater Cable, Male/Male, 12.0m | 119.68 | 117.29 | 114.89 | CALL |
| RHDCA-15 | High Speed HDMI Repeater Cable, Male/Male, 15.0m | 130.56 | 127.95 | 125.34 | CALL |
| RHDCA-20 | High Speed HDMI Repeater Cable, Male/Male, 20.0m | 146.88 | 143.94 | 141.01 | CALL |



MHD-MHD-M



VHA00001-M

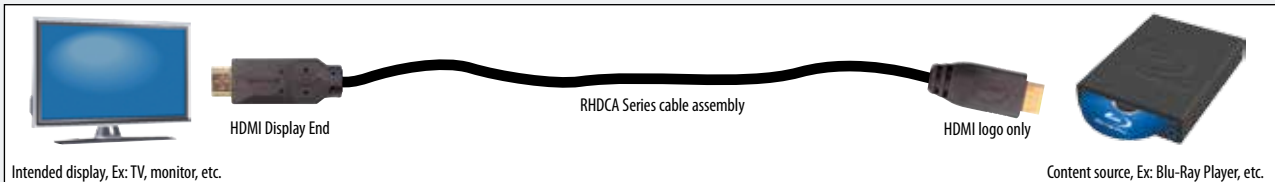


RHDCA



Tip How to use L-com RHDCA Series High Speed HDMI® Repeater Cables

Unlike standard HDMI cable assemblies, L-Com RHDCA cable assemblies require a specific connector designation. The connector marked "DISPLAY END" must be plugged into the intended display (TV, Monitor, etc). The connector which only includes the HDMI® logo must be plugged into the content source (Blu-Ray player, laptop, etc).



HDMI® Dust Covers - Male and Female

L-com's HDMI dust covers protect unused HDMI connectors on cable assemblies and HDMI receptacles on HDMI equipment including HDMI hubs, HDMI Extenders, HDMI splitters, and more. We offer both male and female HDMI dust covers in packages of 10.

| | | | | | |
|---------|---------------------------------|------|------|------|------|
| CVRHD-M | HDMI Dust Cover, Male, Pkg/10 | 6.37 | 6.12 | 5.86 | CALL |
| CVRHD-F | HDMI Dust Cover, Female, Pkg/10 | 6.37 | 6.12 | 5.86 | CALL |



CVRHD-M

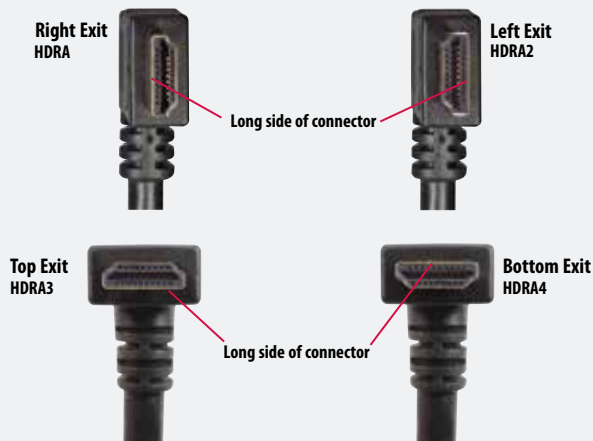
CVRHD-F

Tip Defining 90° angled cable assemblies

Angled connector hoods help connect cables in tight places. L-com now offers four options each for HDMI and DVI style connectors. The photos below detail the connector position relative to the cable entry direction.

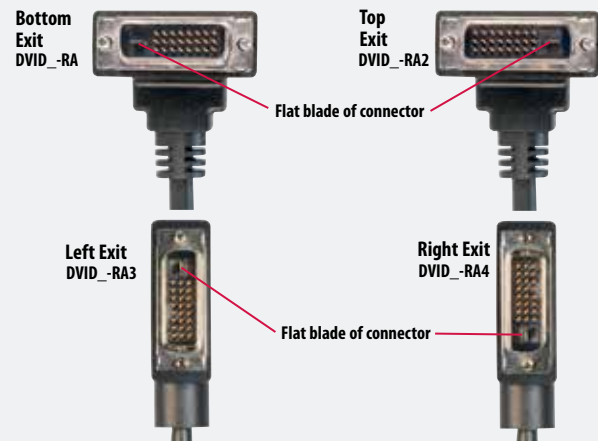
HDMI Style Connectors

For HDMI style connectors, the position of the connector's long side is key in determining the correct angle for your application.



DVI Style Connectors

For DVI style connectors, both Single Link and Dual Link types, the flat blade of the connector is key in determining the correct angle for your application.





HDCAMT



HDCAPL



| Item # | Description | 1-9 | 10-24 | 25-99 | 100+ |
|--------|-------------|-----|-------|-------|------|
|--------|-------------|-----|-------|-------|------|

High Speed Metal Armored HDMI® Cables with Ethernet

These unique cables feature crush resistant jackets over our premium HDMI cable to provide protection in applications where standard cables would be damaged due to excessive force. Crush resistance is 1500 PSI (Pounds per Square Inch). Additional features include rugged over mold connectors including a space saving right angle end, 30 microinch (0.762µm) gold plated contacts and double shielding to protect A/V signals from EMI/RFI.

| | | | | | |
|------------|--|-------|-------|-------|------|
| HDCAMT-0.5 | High Speed Metal Armored HDMI Cable with Ethernet, HDMI Male/HDMI Male, 0.5m | 30.41 | 29.20 | 27.98 | CALL |
| HDCAMT-1 | High Speed Metal Armored HDMI Cable with Ethernet, HDMI Male/HDMI Male, 1.0m | 34.76 | 33.37 | 31.98 | CALL |
| HDCAMT-2 | High Speed Metal Armored HDMI Cable with Ethernet, HDMI Male/HDMI Male, 2.0m | 43.47 | 41.73 | 39.99 | CALL |
| HDCAMT-3 | High Speed Metal Armored HDMI Cable with Ethernet, HDMI Male/HDMI Male, 3.0m | 52.17 | 50.09 | 48.00 | CALL |
| HDCAMT-4 | High Speed Metal Armored HDMI Cable with Ethernet, HDMI Male/HDMI Male, 4.0m | 60.88 | 58.44 | 56.01 | CALL |
| HDCAMT-5 | High Speed Metal Armored HDMI Cable with Ethernet, HDMI Male/HDMI Male, 5.0m | 69.58 | 66.80 | 64.01 | CALL |

High Speed Plastic Armored HDMI® Cables with Ethernet

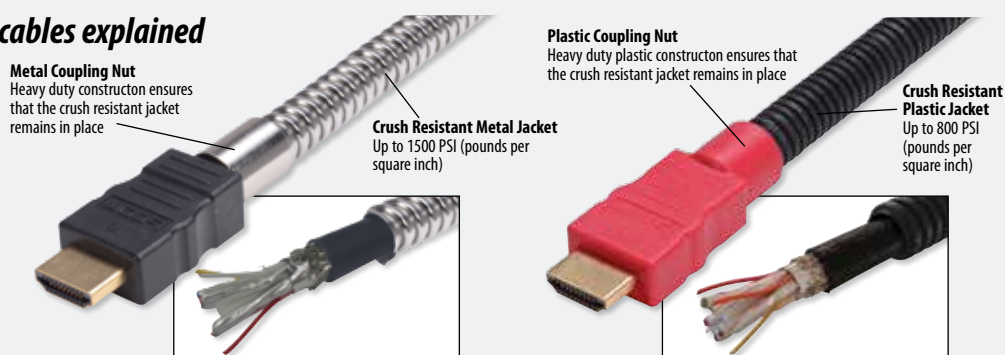
These unique cables feature a hardened PVC crush resistant jacket over our premium HDMI cable to provide protection in applications where standard cables would be damaged due to excessive force. Crush resistance is 800 PSI (Pounds per Square Inch). Additional features include rugged over mold connectors including a space saving right angle end, 30 microinch (0.762µm) gold plated contacts and double shielding which protects your A/V signals from EMI/RFI.

| | | | | | |
|------------|--|-------|-------|-------|------|
| HDCAPL-0.5 | High Speed Plastic Armored HDMI Cable with Ethernet, HDMI Male/HDMI Male, 0.5m | 26.06 | 25.02 | 23.98 | CALL |
| HDCAPL-1 | High Speed Plastic Armored HDMI Cable with Ethernet, HDMI Male/HDMI Male, 1.0m | 29.32 | 28.15 | 26.98 | CALL |
| HDCAPL-2 | High Speed Plastic Armored HDMI Cable with Ethernet, HDMI Male/HDMI Male, 2.0m | 35.85 | 34.42 | 32.98 | CALL |
| HDCAPL-3 | High Speed Plastic Armored HDMI Cable with Ethernet, HDMI Male/HDMI Male, 3.0m | 42.38 | 40.69 | 38.99 | CALL |
| HDCAPL-4 | High Speed Plastic Armored HDMI Cable with Ethernet, HDMI Male/HDMI Male, 4.0m | 48.91 | 46.95 | 45.00 | CALL |
| HDCAPL-5 | High Speed Plastic Armored HDMI Cable with Ethernet, HDMI Male/HDMI Male, 5.0m | 55.44 | 53.22 | 51.00 | CALL |

Tip HDMI armored cables explained

Same premium quality HDMI components used in L-com's HDCA cable assemblies

High performance HDMI with added benefit of extra durability. Great for applications where standard cables may be damaged due to excessive force.



Uses our Premium bulk cable including PVC cable jacket and braid/foil shield under the armor.

Tip What is Analog Video versus Digital Video?

Composite



Component



S-Video



Coax



VGA



DVI-A



DVI-I*



HDMI



DisplayPort



DVI-D



Both of these video formats can provide a great picture for your display, but there are some differences in how they work that are important to know. Analog signal is the older of the two formats, but is still very common today. This is the type of video that gets 'grainy' or 'fuzzy' as the signal strength weakens. Common formats include:

Composite, Component, S-Video, Coax, VGA, DVI-A, DVI-I*

Digital video is a newer format, but all new computers and televisions have a digital input. This signal, rather than the picture degrading if the signal weakens, will generally just cut out. Digital signals tend to provide a crisper, higher resolution picture than Analog. Common formats include:

HDMI, DisplayPort, DVI-D, DVI-I*

One important thing to note is that these two signals are not directly compatible with each other. A cable with a HDMI connector on one end and a VGA on the other would not work, for example. An active conversion, usually provided by a small powered box, is required to convert an analog signal to a digital one.

*A DVI-I cable is capable of transmitting either analog or digital signal, but cannot convert the signal from one to the other.

| Item # | Description | 1-9 | 10-24 | 25-99 | 100+ |
|--------|-------------|-----|-------|-------|------|
|--------|-------------|-----|-------|-------|------|

DVI Products

DVI (Digital Video Interface) is a widely used interface specifically designed for the transmission of digital video signals. L-com's DVI cable assemblies and adapters are offered in various interface combinations and gender configurations to address a broad range of connection applications.

Premium DVI-D Single Link Cable Assemblies with Ferrites

| | | | | | |
|-------------|--|-------|-------|-------|------|
| CTLDVIMM-3 | DVI Cable, DVI-D Single Link, Male/Male, 3.0ft (0.9m) | 21.71 | 19.97 | 18.24 | CALL |
| CTLDVIMM-5 | DVI Cable, DVI-D Single Link, Male/Male, 5.0ft (1.5m) | 23.78 | 21.88 | 19.98 | CALL |
| CTLDVIMM-10 | DVI Cable, DVI-D Single Link, Male/Male, 10.0ft (3.0m) | 28.96 | 26.64 | 24.33 | CALL |
| CTLDVIMM-15 | DVI Cable, DVI-D Single Link, Male/Male, 15.0ft (4.6m) | 34.14 | 31.41 | 28.68 | CALL |

Deluxe DVI-D Single Link Cable Assemblies - Dual Ferrite Beads, Gold Plated Contacts

L-com's Deluxe DVI-D DVI cable assemblies offer high performance at an affordable price.

| | | | | | |
|------------|--|-------|-------|-------|------|
| CGDVIMM-1 | DVI Cable, DVI-D Single Link, Male/Male, 1.0ft (0.3m) | 11.35 | 10.44 | 9.53 | CALL |
| CGDVIMM-3 | DVI Cable, DVI-D Single Link, Male/Male, 3.0ft (0.9m) | 13.42 | 12.35 | 11.27 | CALL |
| CGDVIMM-5 | DVI Cable, DVI-D Single Link, Male/Male, 5.0ft (1.5m) | 15.49 | 14.25 | 13.01 | CALL |
| CGDVIMM-10 | DVI Cable, DVI-D Single Link, Male/Male, 10.0ft (3.0m) | 20.67 | 19.02 | 17.36 | CALL |
| CGDVIMM-15 | DVI Cable, DVI-D Single Link, Male/Male, 15.0ft (4.6m) | 25.85 | 23.78 | 21.72 | CALL |

Premium DVI-D Dual Link Cable Assemblies with Ferrites - 30 Microinches (0.762µm) Gold Plated Contacts

| | | | | | |
|-----------------|--|-------|-------|-------|------|
| CTLDVI-DL-MM-3 | DVI Cable, DVI-D Dual Link, Male/Male, 3.0ft (0.9m) | 30.00 | 27.60 | 25.20 | CALL |
| CTLDVI-DL-MM-5 | DVI Cable, DVI-D Dual Link, Male/Male, 5.0ft (1.5m) | 32.07 | 29.50 | 26.94 | CALL |
| CTLDVI-DL-MM-10 | DVI Cable, DVI-D Dual Link, Male/Male, 10.0ft (3.0m) | 37.25 | 34.27 | 31.29 | CALL |
| CTLDVI-DL-MM-15 | DVI Cable, DVI-D Dual Link, Male/Male, 15.0ft (4.6m) | 42.43 | 39.04 | 35.64 | CALL |

Deluxe DVI-D Dual Link Cable Assemblies - Dual Ferrite Beads, Gold Plated Contacts

| | | | | | |
|----------------|--|-------|-------|-------|------|
| CGDVI-DL-MM-1 | DVI Cable, DVI-D Dual Link, Male/Male, 1.0ft (0.3m) | 16.53 | 15.21 | 13.88 | CALL |
| CGDVI-DL-MM-3 | DVI Cable, DVI-D Dual Link, Male/Male, 3.0ft (0.9m) | 18.60 | 17.11 | 15.62 | CALL |
| CGDVI-DL-MM-5 | DVI Cable, DVI-D Dual Link, Male/Male, 5.0ft (1.5m) | 20.67 | 19.02 | 17.36 | CALL |
| CGDVI-DL-MM-10 | DVI Cable, DVI-D Dual Link, Male/Male, 10.0ft (3.0m) | 25.85 | 23.78 | 21.72 | CALL |
| CGDVI-DL-MM-15 | DVI Cable, DVI-D Dual Link, Male/Male, 15.0ft (4.6m) | 31.03 | 28.55 | 26.07 | CALL |

Premium DVI-I Single Link Cable Assemblies with Ferrites

| | | | | | |
|------------------|--|-------|-------|-------|------|
| CTLDVI-ISL-MM-3 | DVI Cable, DVI-I Single Link, Male/Male, 3.0ft (0.9m) | 33.11 | 30.46 | 27.81 | CALL |
| CTLDVI-ISL-MM-5 | DVI Cable, DVI-I Single Link, Male/Male, 5.0ft (1.5m) | 36.22 | 33.32 | 30.42 | CALL |
| CTLDVI-ISL-MM-10 | DVI Cable, DVI-I Single Link, Male/Male, 10.0ft (3.0m) | 41.40 | 38.08 | 34.77 | CALL |
| CTLDVI-ISL-MM-15 | DVI Cable, DVI-I Single Link, Male/Male, 15.0ft (4.6m) | 46.58 | 42.85 | 39.12 | CALL |

Premium DVI-I Dual Link Cable Assemblies with Ferrites

| | | | | | |
|----------------|--|-------|-------|-------|------|
| CTLDVI-I-MM-3 | DVI Cable, DVI-I Dual Link, Male/Male, 3.0ft (0.9m) | 35.18 | 32.36 | 29.55 | CALL |
| CTLDVI-I-MM-5 | DVI Cable, DVI-I Dual Link, Male/Male, 5.0ft (1.5m) | 38.29 | 35.22 | 32.16 | CALL |
| CTLDVI-I-MM-10 | DVI Cable, DVI-I Dual Link, Male/Male, 10.0ft (3.0m) | 43.47 | 39.99 | 36.51 | CALL |
| CTLDVI-I-MM-15 | DVI Cable, DVI-I Dual Link, Male/Male, 15.0ft (4.6m) | 48.65 | 44.76 | 40.87 | CALL |

Deluxe DVI-I Dual Link Cable Assemblies with Ferrites

| | | | | | |
|---------------|--|-------|-------|-------|------|
| CGDVI-I-MM-3 | DVI Cable, DVI-I Dual Link, Male/Male, 3.0ft (0.9m) | 19.12 | 17.59 | 16.06 | CALL |
| CGDVI-I-MM-5 | DVI Cable, DVI-I Dual Link, Male/Male, 5.0ft (1.5m) | 21.19 | 19.50 | 17.80 | CALL |
| CGDVI-I-MM-10 | DVI Cable, DVI-I Dual Link, Male/Male, 10.0ft (3.0m) | 26.37 | 24.26 | 22.15 | CALL |
| CGDVI-I-MM-15 | DVI Cable, DVI-I Dual Link, Male/Male, 15.0ft (4.6m) | 31.55 | 29.03 | 26.50 | CALL |

Premium DVI-D Single Link LSZH Cable Assemblies with Ferrites

| | | | | | |
|---------------|---|-------|-------|-------|------|
| CTLDVIMMLZ-3 | DVI LSZH Cable, DVI-D Single Link, Male/Male, 3.0ft (0.9m) | 16.53 | 15.54 | 14.54 | CALL |
| CTLDVIMMLZ-5 | DVI LSZH Cable, DVI-D Single Link, Male/Male, 5.0ft (1.5m) | 18.60 | 17.48 | 16.37 | CALL |
| CTLDVIMMLZ-10 | DVI LSZH Cable, DVI-D Single Link, Male/Male, 10.0ft (3.0m) | 23.78 | 22.35 | 20.93 | CALL |
| CTLDVIMMLZ-15 | DVI LSZH Cable, DVI-D Single Link, Male/Male, 15.0ft (4.6m) | 28.96 | 27.22 | 25.49 | CALL |

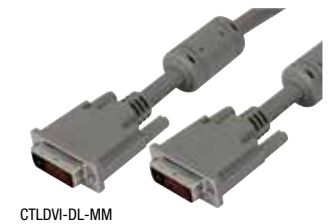
Premium DVI-D Dual Link LSZH Cable Assemblies with Ferrites

| | | | | | |
|----------------|---|-------|-------|-------|------|
| CTLDVIDMMLZ-3 | DVI LSZH Cable, DVI-D Dual Link, Male/Male, 3.0ft (0.9m) | 23.78 | 22.35 | 20.93 | CALL |
| CTLDVIDMMLZ-5 | DVI LSZH Cable, DVI-D Dual Link, Male/Male, 5.0ft (1.5m) | 27.93 | 26.25 | 24.57 | CALL |
| CTLDVIDMMLZ-10 | DVI LSZH Cable, DVI-D Dual Link, Male/Male, 10.0ft (3.0m) | 38.29 | 35.99 | 33.69 | CALL |
| CTLDVIDMMLZ-15 | DVI LSZH Cable, DVI-D Dual Link, Male/Male, 15.0ft (4.6m) | 48.65 | 45.73 | 42.81 | CALL |

DVI Dust Covers - Male and Female

L-com's DVI dust covers protect unused DVI connectors on cable assemblies and DVI receptacles on DVI equipment including DVI KVM switches, DVI Extenders, DVI splitters, and more. We offer both male and female DVI dust covers in packages of 10.

| | | | | | |
|----------|--------------------------------|------|------|------|------|
| CVRDVI-M | DVI Dust Cover, Male, Pkg/10 | 6.37 | 6.12 | 5.86 | CALL |
| CVRDVI-F | DVI Dust Cover, Female, Pkg/10 | 6.37 | 6.12 | 5.86 | CALL |



Tip HDMI and DVI - Premium vs. Deluxe

L-com offers two levels of product to give our customers choices based on their cable assembly needs. The Premium offering is superior to industry standard cables. The Deluxe offering is comparable or slightly superior to industry standard cables depending on the quality and workmanship of the factory assembling them.

HDMI Deluxe

- Gold flash contact plating
- Nickel plated connector shell

HDMI Premium

- 30 microinch gold contact plating
- Gold flash plated connector shell

DVI Deluxe

- Gold flash contact plating
- 360° copper tape wrap under mold

DVI Premium

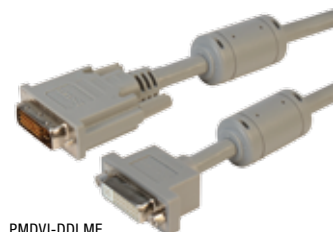
- 30 microinch gold contact plating
- Custom steel enclosure under mold



HD-DVI-MM



CTL-DVI-HD-MM



PMDVI-DDLMF

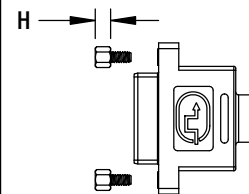


PMDVI-DSLMF

Tip What is a Panel Mount DVI?

If you know that you need to extend your DVI cable, but you are not sure if you want to mount it to your rack or not, Panel Mount DVI cables are a great solution. With two sets of hardware, you are able to either mate the female end inline, or mount it to a panel (Max thickness 0.063"). Flexibility is key with these cables, allowing you to have one set to fill multiple jobs.

Female DVI-I Dual Link Connector 30µ" Gold Plated Contacts



SUPPLIED WITH (4) #4-40 JACKSCREWS FOR PANEL MOUNT
2X H = .160 - PANEL MOUNT HARDWARE
2X H = .191 - CABLE MOUNT HARDWARE

| Item # | Description | 1-9 | 10-24 | 25-99 | 100+ |
|---|--|-------|-------|-------|------|
| Premium DVI-A to HD15 Cable Assemblies with Ferrites | | | | | |
| CTL-DVI-HD-MM-3 | DVI Cable, DVI-A Male/HD15 Male, 3.0ft (0.9m) | 20.67 | 19.02 | 17.36 | CALL |
| CTL-DVI-HD-MM-5 | DVI Cable, DVI-A Male/HD15 Male, 5.0ft (1.5m) | 23.78 | 21.88 | 19.98 | CALL |
| CTL-DVI-HD-MM-10 | DVI Cable, DVI-A Male/HD15 Male, 10.0ft (3.0m) | 28.96 | 26.64 | 24.33 | CALL |
| CTL-DVI-HD-MM-15 | DVI Cable, DVI-A Male/HD15 Male, 15.0ft (4.6m) | 34.14 | 31.41 | 28.68 | CALL |

Premium HDMI® to DVI-D Cable Assemblies - Fully Molded

High Definition Multimedia Interface (HDMI) is the latest interface for the connection of audio/video equipment. HDMI is fully backwards compatible with DVI video signals. This series of cable allows connection of the digital video signal from a DVI-D interface to a HDMI interface. Available in 5 standard lengths from 1 to 5 meters.

| | | | | | |
|-------------|---|-------|-------|-------|------|
| HD-DVI-MM-1 | HDMI Cable, HDMI Male/DVI-D Male, Single Link, 1.0m | 19.64 | 18.46 | 17.28 | CALL |
| HD-DVI-MM-2 | HDMI Cable, HDMI Male/DVI-D Male, Single Link, 2.0m | 25.85 | 24.30 | 22.75 | CALL |
| HD-DVI-MM-3 | HDMI Cable, HDMI Male/DVI-D Male, Single Link, 3.0m | 32.07 | 30.15 | 28.22 | CALL |
| HD-DVI-MM-4 | HDMI Cable, HDMI Male/DVI-D Male, Single Link, 4.0m | 38.29 | 35.99 | 33.69 | CALL |
| HD-DVI-MM-5 | HDMI Cable, HDMI Male/DVI-D Male, Single Link, 5.0m | 44.50 | 41.83 | 39.16 | CALL |

Premium Panel Mount DVI-D Dual Link Cable Assemblies

L-com's Premium Panel Mount DVI-D Dual Link cable assemblies provide a simple and cost effective method to pass a digital video signal through a panel, enclosure or wall plate. The female panel mount cable comes with cable mount and panel mount jackscrews, allowing a quick transition to an inline extension cable if needed. These cables include dual ferrite beads to reduce EMI/RFI and 30 microinch gold plated connectors for reduced signal loss.

| | | | | | |
|----------------|--|-------|-------|-------|------|
| PMDVI-DDLMF-1 | Premium Panel Mount DVI-D Dual Link Cable Assembly, Male/Female, 1.0m | 27.95 | 25.71 | 23.48 | CALL |
| PMDVI-DDLMF-3 | Premium Panel Mount DVI-D Dual Link Cable Assembly, Male/Female, 3.0m | 29.95 | 27.55 | 25.16 | CALL |
| PMDVI-DDLMF-5 | Premium Panel Mount DVI-D Dual Link Cable Assembly, Male/Female, 5.0m | 31.95 | 29.39 | 26.84 | CALL |
| PMDVI-DDLMF-10 | Premium Panel Mount DVI-D Dual Link Cable Assembly, Male/Female, 10.0m | 36.95 | 33.99 | 31.04 | CALL |

Premium Panel Mount DVI-D Single Link Cable Assemblies

L-com's Premium Panel Mount DVI-D Single Link cable assemblies provide a simple and cost effective method to pass a digital video signal through a panel, enclosure or wall plate. The female panel mount cable comes with cable mount and panel mount jackscrews, allowing a quick transition to an inline extension cable if needed. These cables include dual ferrite beads to reduce EMI/RFI and 30 microinch gold plated connectors for reduced signal loss.

| | | | | | |
|----------------|--|-------|-------|-------|------|
| PMDVI-DSLMF-1 | Premium Panel Mount DVI-D Single Link Cable Assembly, Male/Female, 1.0m | 19.95 | 18.35 | 16.76 | CALL |
| PMDVI-DSLMF-3 | Premium Panel Mount DVI-D Single Link Cable Assembly, Male/Female, 3.0m | 21.95 | 20.19 | 18.44 | CALL |
| PMDVI-DSLMF-5 | Premium Panel Mount DVI-D Single Link Cable Assembly, Male/Female, 5.0m | 23.95 | 22.03 | 20.12 | CALL |
| PMDVI-DSLMF-10 | Premium Panel Mount DVI-D Single Link Cable Assembly, Male/Female, 10.0m | 28.95 | 26.63 | 24.32 | CALL |

Tip How do I distinguish between various DVI configurations?

Shown are a number of DVI connector interfaces that can be identified by the pin configurations. They include DVI-A (analog only), DVI-D (digital only) and DVI-I (analog and digital). In addition, single link and dual link configurations exist for both DVI-D and DVI-I. Shown are the major configurations illustrating the distinguishing features for each type of DVI interface.

ANALOG AND DIGITAL



DVI-I Single Link

Three rows of 6 pins and two contacts above and below the flat blade.



DVI-I Dual Link

Three rows of 8 pins and two contacts above and below the flat blade.

ANALOG ONLY



DVI-A

One row of 5 pins, one row of 3 pins and one row of 4 pins with two contacts above and below the flat blade.

DIGITAL ONLY



DVI-D Single Link

Three rows of 6 pins and no contacts above or below the flat blade.



DVI-D Dual Link

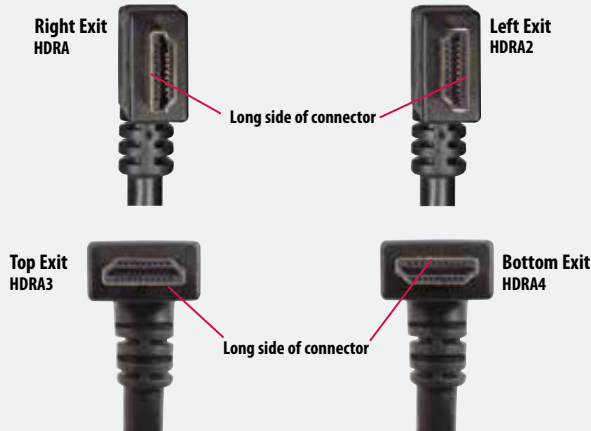
Three rows of 8 pins and no contacts above or below the flat blade.

Tip Defining 90° angled cable assemblies

Angled connector hoods help connect cables in tight places. L-com now offers four options each for HDMI and DVI style connectors. The photos below detail the connector position relative to the cable entry direction.

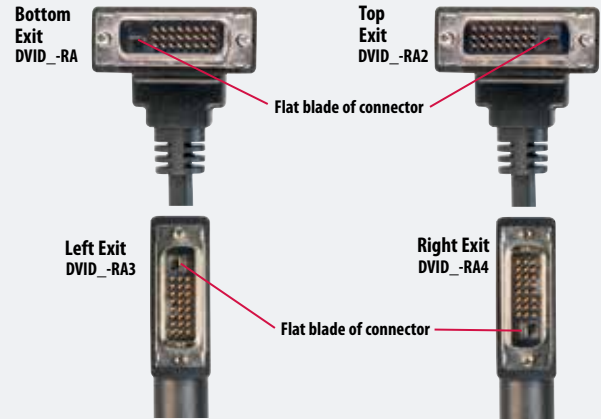
HDMI Style Connectors

For HDMI style connectors, the position of the connector's long side is key in determining the correct angle for your application.



DVI Style Connectors

For DVI style connectors, both Single Link and Dual Link types, the flat blade of the connector is key in determining the correct angle for your application.



| Item # | Description | 1-9 | 10-24 | 25-99 | 100+ |
|--------|-------------|-----|-------|-------|------|
|--------|-------------|-----|-------|-------|------|

DVI-D Angled Cable Assemblies

L-com's angled DVI cables are perfect for tight fit and confined space DVI applications. These rugged cable assemblies feature a standard, straight DVI connector on one end and an angled DVI connector on the other. Four angled options available for both Single Link and Dual Link. These right angle DVI cables are designed for use in enclosures, cabinets or other confined spaces where standard DVI connectors will not fit.

DVI-D Single Link DVI Cable Male/Male Right Angle, Bottom Exit

| | | | | | |
|-------------|--|-------|-------|-------|------|
| DVIDS-RA-1 | DVI-D Cable Single Link, Straight Male/Bottom Exit Male, 1.0ft (0.3m) | 19.43 | 18.26 | 17.10 | CALL |
| DVIDS-RA-3 | DVI-D Cable Single Link, Straight Male/Bottom Exit Male, 3.0ft (0.9m) | 21.24 | 19.97 | 18.69 | CALL |
| DVIDS-RA-5 | DVI-D Cable Single Link, Straight Male/Bottom Exit Male, 5.0ft (1.5m) | 22.80 | 21.43 | 20.06 | CALL |
| DVIDS-RA-10 | DVI-D Cable Single Link, Straight Male/Bottom Exit Male, 10.0ft (3.0m) | 26.68 | 25.08 | 23.48 | CALL |
| DVIDS-RA-15 | DVI-D Cable Single Link, Straight Male/Bottom Exit Male, 15.0ft (4.6m) | 31.09 | 29.22 | 27.36 | CALL |

DVI-D Single Link DVI Cable Male/Male Right Angle, Top Exit

| | | | | | |
|--------------|---|-------|-------|-------|------|
| DVIDS-RA2-1 | DVI-D Cable Single Link, Straight Male/Top Exit Male, 1.0ft (0.3m) | 19.43 | 18.26 | 17.10 | CALL |
| DVIDS-RA2-3 | DVI-D Cable Single Link, Straight Male/Top Exit Male, 3.0ft (0.9m) | 21.24 | 19.97 | 18.69 | CALL |
| DVIDS-RA2-5 | DVI-D Cable Single Link, Straight Male/Top Exit Male, 5.0ft (1.5m) | 22.80 | 21.43 | 20.06 | CALL |
| DVIDS-RA2-10 | DVI-D Cable Single Link, Straight Male/Top Exit Male, 10.0ft (3.0m) | 26.68 | 25.08 | 23.48 | CALL |
| DVIDS-RA2-15 | DVI-D Cable Single Link, Straight Male/Top Exit Male, 15.0ft (4.6m) | 31.09 | 29.22 | 27.36 | CALL |

DVI-D Single Link DVI Cable Male/Male Right Angle, Left Exit

| | | | | | |
|--------------|--|-------|-------|-------|------|
| DVIDS-RA3-1 | DVI-D Cable Single Link, Straight Male/Left Exit Male, 1.0ft (0.3m) | 19.43 | 18.26 | 17.10 | CALL |
| DVIDS-RA3-3 | DVI-D Cable Single Link, Straight Male/Left Exit Male, 3.0ft (0.9m) | 21.24 | 19.97 | 18.69 | CALL |
| DVIDS-RA3-5 | DVI-D Cable Single Link, Straight Male/Left Exit Male, 5.0ft (1.5m) | 22.80 | 21.43 | 20.06 | CALL |
| DVIDS-RA3-10 | DVI-D Cable Single Link, Straight Male/Left Exit Male, 10.0ft (3.0m) | 26.68 | 25.08 | 23.48 | CALL |
| DVIDS-RA3-15 | DVI-D Cable Single Link, Straight Male/Left Exit Male, 15.0ft (4.6m) | 31.09 | 29.22 | 27.36 | CALL |

DVI-D Single Link DVI Cable Male/Male Right Angle, Right Exit

| | | | | | |
|--------------|---|-------|-------|-------|------|
| DVIDS-RA4-1 | DVI-D Cable Single Link, Straight Male/Right Exit Male, 1.0ft (0.3m) | 19.43 | 18.26 | 17.10 | CALL |
| DVIDS-RA4-3 | DVI-D Cable Single Link, Straight Male/Right Exit Male, 3.0ft (0.9m) | 21.24 | 19.97 | 18.69 | CALL |
| DVIDS-RA4-5 | DVI-D Cable Single Link, Straight Male/Right Exit Male, 5.0ft (1.5m) | 22.80 | 21.43 | 20.06 | CALL |
| DVIDS-RA4-10 | DVI-D Cable Single Link, Straight Male/Right Exit Male, 10.0ft (3.0m) | 26.68 | 25.08 | 23.48 | CALL |
| DVIDS-RA4-15 | DVI-D Cable Single Link, Straight Male/Right Exit Male, 15.0ft (4.6m) | 31.09 | 29.22 | 27.36 | CALL |

DVI-D Dual Link DVI Cable Male/Male Right Angle, Bottom Exit

| | | | | | |
|-------------|--|-------|-------|-------|------|
| DVIDD-RA-1 | DVI-D Cable Dual Link, Straight Male/Bottom Exit Male, 1.0ft (0.3m) | 24.09 | 22.65 | 21.20 | CALL |
| DVIDD-RA-3 | DVI-D Cable Dual Link, Straight Male/Bottom Exit Male, 3.0ft (0.9m) | 26.94 | 25.32 | 23.71 | CALL |
| DVIDD-RA-5 | DVI-D Cable Dual Link, Straight Male/Bottom Exit Male, 5.0ft (1.5m) | 29.79 | 28.00 | 26.22 | CALL |
| DVIDD-RA-10 | DVI-D Cable Dual Link, Straight Male/Bottom Exit Male, 10.0ft (3.0m) | 36.79 | 34.58 | 32.37 | CALL |
| DVIDD-RA-15 | DVI-D Cable Dual Link, Straight Male/Bottom Exit Male, 15.0ft (4.6m) | 44.30 | 41.64 | 38.98 | CALL |

DVI-D Dual Link DVI Cable Male/Male Right Angle, Top Exit

| | | | | | |
|--------------|---|-------|-------|-------|------|
| DVIDD-RA2-1 | DVI-D Cable Dual Link, Straight Male/Top Exit Male, 1.0ft (0.3m) | 24.09 | 22.65 | 21.20 | CALL |
| DVIDD-RA2-3 | DVI-D Cable Dual Link, Straight Male/Top Exit Male, 3.0ft (0.9m) | 26.94 | 25.32 | 23.71 | CALL |
| DVIDD-RA2-5 | DVI-D Cable Dual Link, Straight Male/Top Exit Male, 5.0ft (1.5m) | 29.79 | 28.00 | 26.22 | CALL |
| DVIDD-RA2-10 | DVI-D Cable Dual Link, Straight Male/Top Exit Male, 10.0ft (3.0m) | 36.79 | 34.58 | 32.37 | CALL |
| DVIDD-RA2-15 | DVI-D Cable Dual Link, Straight Male/Top Exit Male, 15.0ft (4.6m) | 44.30 | 41.64 | 38.98 | CALL |

DVI-D Dual Link DVI Cable Male/Male Right Angle Left Exit

| | | | | | |
|--------------|--|-------|-------|-------|------|
| DVIDD-RA3-1 | DVI-D Cable Dual Link, Straight Male/Left Exit Male, 1.0ft (0.3m) | 24.09 | 22.65 | 21.20 | CALL |
| DVIDD-RA3-3 | DVI-D Cable Dual Link, Straight Male/Left Exit Male, 3.0ft (0.9m) | 26.94 | 25.32 | 23.71 | CALL |
| DVIDD-RA3-5 | DVI-D Cable Dual Link, Straight Male/Left Exit Male, 5.0ft (1.5m) | 29.79 | 28.00 | 26.22 | CALL |
| DVIDD-RA3-10 | DVI-D Cable Dual Link, Straight Male/Left Exit Male, 10.0ft (3.0m) | 36.79 | 34.58 | 32.37 | CALL |
| DVIDD-RA3-15 | DVI-D Cable Dual Link, Straight Male/Left Exit Male, 15.0ft (4.6m) | 44.30 | 41.64 | 38.98 | CALL |

DVI-D Dual Link DVI Cable Male/Male Right Angle, Right Exit

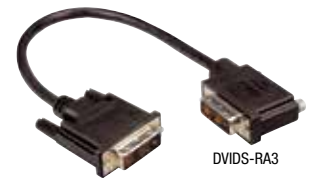
| | | | | | |
|--------------|---|-------|-------|-------|------|
| DVIDD-RA4-1 | DVI-D Cable Dual Link, Straight Male/Right Exit Male, 1.0ft (0.3m) | 24.09 | 22.65 | 21.20 | CALL |
| DVIDD-RA4-3 | DVI-D Cable Dual Link, Straight Male/Right Exit Male, 3.0ft (0.9m) | 26.94 | 25.32 | 23.71 | CALL |
| DVIDD-RA4-5 | DVI-D Cable Dual Link, Straight Male/Right Exit Male, 5.0ft (1.5m) | 29.79 | 28.00 | 26.22 | CALL |
| DVIDD-RA4-10 | DVI-D Cable Dual Link, Straight Male/Right Exit Male, 10.0ft (3.0m) | 36.79 | 34.58 | 32.37 | CALL |
| DVIDD-RA4-15 | DVI-D Cable Dual Link, Straight Male/Right Exit Male, 15.0ft (4.6m) | 44.30 | 41.64 | 38.98 | CALL |



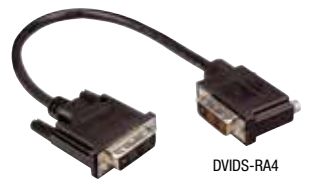
DVIDS-RA



DVIDS-RA2



DVIDS-RA3



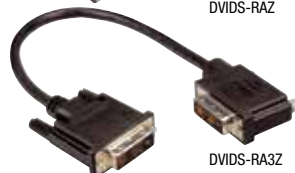
DVIDS-RA4



DVIDD-RA2



DVIDS-RAZ



DVIDS-RA3Z



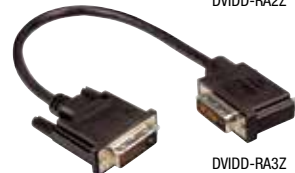
DVIDS-RA4Z



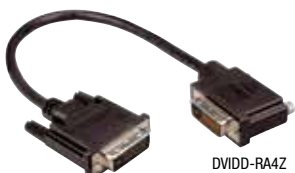
DVIDD-RAZ



DVIDD-RA2Z



DVIDD-RA3Z



DVIDD-RA4Z



CVRDVI-M

CVRDVI-F

| Item # | Description | 1-9 | 10-24 | 25-99 | 100+ |
|--------|-------------|-----|-------|-------|------|
|--------|-------------|-----|-------|-------|------|

DVI-D Single Link Right Angle Cable Assemblies with Low Smoke Zero Halogen Jackets

L-com's DVIDS-RAZ series cables are perfect for tight fit and confined space DVI applications. These rugged cable assemblies feature a standard DVI-D Single Link connector on one end and a right angle DVI-D Single Link connector on the other. These LSZH right angle DVI cables are designed for use in enclosures, cabinets or other confined spaces where standard DVI connectors will not fit.

DVI-D Single Link LSZH DVI Cable Male/Male Right Angle, Bottom Exit

| | | | | | |
|--------------|--|-------|-------|-------|------|
| DVIDS-RAZ-1 | DVI-D Cable Single Link, Straight Male/Bottom Exit Male, 1.0ft (0.3m) | 22.28 | 20.94 | 19.60 | CALL |
| DVIDS-RAZ-3 | DVI-D Cable Single Link, Straight Male/Bottom Exit Male, 3.0ft (0.9m) | 24.35 | 22.89 | 21.43 | CALL |
| DVIDS-RAZ-5 | DVI-D Cable Single Link, Straight Male/Bottom Exit Male, 5.0ft (1.5m) | 26.42 | 24.84 | 23.25 | CALL |
| DVIDS-RAZ-10 | DVI-D Cable Single Link, Straight Male/Bottom Exit Male, 10.0ft (3.0m) | 31.60 | 29.71 | 27.81 | CALL |
| DVIDS-RAZ-15 | DVI-D Cable Single Link, Straight Male/Bottom Exit Male, 15.0ft (4.6m) | 36.79 | 34.58 | 32.37 | CALL |

DVI-D Single Link LSZH DVI Cable Male/Male Right Angle, Top Exit

| | | | | | |
|---------------|---|-------|-------|-------|------|
| DVIDS-RA2Z-1 | DVI-D Cable Single Link, Straight Male/Top Exit Male, 1.0ft (0.3m) | 22.28 | 20.94 | 19.60 | CALL |
| DVIDS-RA2Z-3 | DVI-D Cable Single Link, Straight Male/Top Exit Male, 3.0ft (0.9m) | 24.35 | 22.89 | 21.43 | CALL |
| DVIDS-RA2Z-5 | DVI-D Cable Single Link, Straight Male/Top Exit Male, 5.0ft (1.5m) | 26.42 | 24.84 | 23.25 | CALL |
| DVIDS-RA2Z-10 | DVI-D Cable Single Link, Straight Male/Top Exit Male, 10.0ft (3.0m) | 31.60 | 29.71 | 27.81 | CALL |
| DVIDS-RA2Z-15 | DVI-D Cable Single Link, Straight Male/Top Exit Male, 15.0ft (4.6m) | 36.79 | 34.58 | 32.37 | CALL |

DVI-D Single Link LSZH DVI Cable Male/Male Right Angle, Left Exit

| | | | | | |
|---------------|--|-------|-------|-------|------|
| DVIDS-RA3Z-1 | DVI-D Cable Single Link, Straight Male/Left Exit Male, 1.0ft (0.3m) | 22.28 | 20.94 | 19.60 | CALL |
| DVIDS-RA3Z-3 | DVI-D Cable Single Link, Straight Male/Left Exit Male, 3.0ft (0.9m) | 24.35 | 22.89 | 21.43 | CALL |
| DVIDS-RA3Z-5 | DVI-D Cable Single Link, Straight Male/Left Exit Male, 5.0ft (1.5m) | 26.42 | 24.84 | 23.25 | CALL |
| DVIDS-RA3Z-10 | DVI-D Cable Single Link, Straight Male/Left Exit Male, 10.0ft (3.0m) | 31.60 | 29.71 | 27.81 | CALL |
| DVIDS-RA3Z-15 | DVI-D Cable Single Link, Straight Male/Left Exit Male, 15.0ft (4.6m) | 36.79 | 34.58 | 32.37 | CALL |

DVI-D Single Link LSZH DVI Cable Male/Male Right Angle, Right Exit

| | | | | | |
|---------------|---|-------|-------|-------|------|
| DVIDS-RA4Z-1 | DVI-D Cable Single Link, Straight Male/Right Exit Male, 1.0ft (0.3m) | 22.28 | 20.94 | 19.60 | CALL |
| DVIDS-RA4Z-3 | DVI-D Cable Single Link, Straight Male/Right Exit Male, 3.0ft (0.9m) | 24.35 | 22.89 | 21.43 | CALL |
| DVIDS-RA4Z-5 | DVI-D Cable Single Link, Straight Male/Right Exit Male, 5.0ft (1.5m) | 26.42 | 24.84 | 23.25 | CALL |
| DVIDS-RA4Z-10 | DVI-D Cable Single Link, Straight Male/Right Exit Male, 10.0ft (3.0m) | 31.60 | 29.71 | 27.81 | CALL |
| DVIDS-RA4Z-15 | DVI-D Cable Single Link, Straight Male/Right Exit Male, 15.0ft (4.6m) | 36.79 | 34.58 | 32.37 | CALL |

DVI-D Dual Link Right Angle Cable Assemblies with Low Smoke Zero Halogen Jackets

These rugged cable assemblies feature a standard DVI-D Dual Link connector on one end and a right angle DVI-D Dual Link connector on the other. L-com's LSZH right angle DVI cables are designed for use in enclosures, cabinets or other confined spaces where standard DVI connector will not fit.

DVI-D Dual Link LSZH DVI Cable Male/Male Right Angle, Bottom Exit

| | | | | | |
|--------------|--|-------|-------|-------|------|
| DVIDD-RAZ-1 | DVI-D Cable Dual Link, Straight Male/Bottom Exit Male, 1.0ft (0.3m) | 27.46 | 25.81 | 24.16 | CALL |
| DVIDD-RAZ-3 | DVI-D Cable Dual Link, Straight Male/Bottom Exit Male, 3.0ft (0.9m) | 31.09 | 29.22 | 27.36 | CALL |
| DVIDD-RAZ-5 | DVI-D Cable Dual Link, Straight Male/Bottom Exit Male, 5.0ft (1.5m) | 34.71 | 32.63 | 30.55 | CALL |
| DVIDD-RAZ-10 | DVI-D Cable Dual Link, Straight Male/Bottom Exit Male, 10.0ft (3.0m) | 43.78 | 41.15 | 38.53 | CALL |
| DVIDD-RAZ-15 | DVI-D Cable Dual Link, Straight Male/Bottom Exit Male, 15.0ft (4.6m) | 52.85 | 49.68 | 46.50 | CALL |

DVI-D Dual Link LSZH DVI Cable Male/Male Right Angle, Top Exit

| | | | | | |
|---------------|---|-------|-------|-------|------|
| DVIDD-RA2Z-1 | DVI-D Cable Dual Link, Straight Male/Top Exit Male, 1.0ft (0.3m) | 27.46 | 25.81 | 24.16 | CALL |
| DVIDD-RA2Z-3 | DVI-D Cable Dual Link, Straight Male/Top Exit Male, 3.0ft (0.9m) | 31.09 | 29.22 | 27.36 | CALL |
| DVIDD-RA2Z-5 | DVI-D Cable Dual Link, Straight Male/Top Exit Male, 5.0ft (1.5m) | 34.71 | 32.63 | 30.55 | CALL |
| DVIDD-RA2Z-10 | DVI-D Cable Dual Link, Straight Male/Top Exit Male, 10.0ft (3.0m) | 43.78 | 41.15 | 38.53 | CALL |
| DVIDD-RA2Z-15 | DVI-D Cable Dual Link, Straight Male/Top Exit Male, 15.0ft (4.6m) | 52.85 | 49.68 | 46.50 | CALL |

DVI-D Dual Link LSZH DVI Cable Male/Male Right Angle, Left Exit

| | | | | | |
|---------------|--|-------|-------|-------|------|
| DVIDD-RA3Z-1 | DVI-D Cable Dual Link, Straight Male/Left Exit Male, 1.0ft (0.3m) | 27.46 | 25.81 | 24.16 | CALL |
| DVIDD-RA3Z-3 | DVI-D Cable Dual Link, Straight Male/Left Exit Male, 3.0ft (0.9m) | 31.09 | 29.22 | 27.36 | CALL |
| DVIDD-RA3Z-5 | DVI-D Cable Dual Link, Straight Male/Left Exit Male, 5.0ft (1.5m) | 34.71 | 32.63 | 30.55 | CALL |
| DVIDD-RA3Z-10 | DVI-D Cable Dual Link, Straight Male/Left Exit Male, 10.0ft (3.0m) | 43.78 | 41.15 | 38.53 | CALL |
| DVIDD-RA3Z-15 | DVI-D Cable Dual Link, Straight Male/Left Exit Male, 15.0ft (4.6m) | 52.85 | 49.68 | 46.50 | CALL |

DVI-D Dual Link LSZH DVI Cable Male/Male Right Angle, Right Exit

| | | | | | |
|---------------|---|-------|-------|-------|------|
| DVIDD-RA4Z-1 | DVI-D Cable Dual Link, Straight Male/Right Exit Male, 1.0ft (0.3m) | 27.46 | 25.81 | 24.16 | CALL |
| DVIDD-RA4Z-3 | DVI-D Cable Dual Link, Straight Male/Right Exit Male, 3.0ft (0.9m) | 31.09 | 29.22 | 27.36 | CALL |
| DVIDD-RA4Z-5 | DVI-D Cable Dual Link, Straight Male/Right Exit Male, 5.0ft (1.5m) | 34.71 | 32.63 | 30.55 | CALL |
| DVIDD-RA4Z-10 | DVI-D Cable Dual Link, Straight Male/Right Exit Male, 10.0ft (3.0m) | 43.78 | 41.15 | 38.53 | CALL |
| DVIDD-RA4Z-15 | DVI-D Cable Dual Link, Straight Male/Right Exit Male, 15.0ft (4.6m) | 52.85 | 49.68 | 46.50 | CALL |

DVI Dust Covers - Male and Female

L-com's DVI dust covers protect unused DVI connectors on cable assemblies and DVI receptacles on DVI equipment including DVI KVM switches, DVI Extenders, DVI splitters, and more. We offer both male and female DVI dust covers in packages of 10.

| | | | | | |
|----------|--------------------------------|------|------|------|------|
| CVRDVI-M | DVI Dust Cover, Male, Pkg/10 | 6.37 | 6.12 | 5.86 | CALL |
| CVRDVI-F | DVI Dust Cover, Female, Pkg/10 | 6.37 | 6.12 | 5.86 | CALL |

Tip What is the difference between DVI Single Link and Dual Link?

DVI dual link, as the name implies, has more conductors than the DVI single link for transmitting signal. Single link DVI supports a maximum bandwidth of 165 MHz (1920 x 1080 at 60 Hz, 1280 x 1024 at 85 Hz) and utilizes 18 of the 24 available pins. Dual link DVI utilizes all 24 available pins and supports 2x 165 MHz maximum bandwidth (2048 x 1536 at 60 Hz, 1920 x 1080 at 85 Hz).

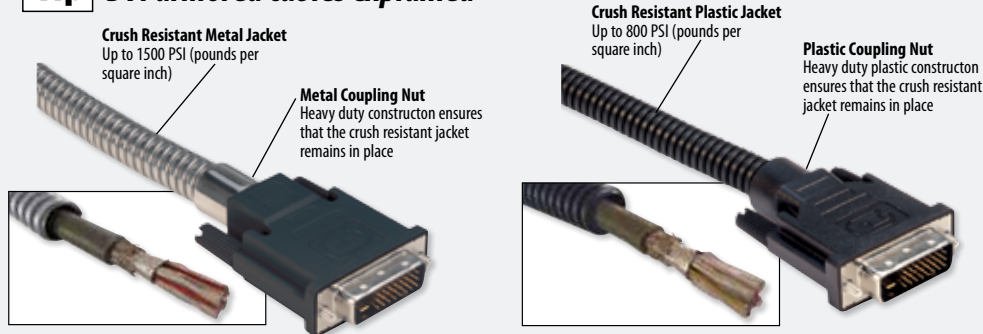
DVI Single Link



DVI Dual Link



Tip DVI armored cables explained



Uses our Premium bulk cable including PVC cable jacket and braid/foil shield under the armor.

| Item # | Description | 1-9 | 10-24 | 25-99 | 100+ |
|--------|-------------|-----|-------|-------|------|
|--------|-------------|-----|-------|-------|------|

Metal Armored DVI-D Cable Assemblies

These cables feature a stainless steel crush resistant jacket over our premium DVI cable to provide protection in applications where standard cables would be damaged due to excessive force. Crush resistance is 1500 PSI (Pounds per Square Inch). Additional features include rugged over mold connectors, 30 microinch (0.762µm) gold plated contacts and double shielding which protects your A/V signals from EMI/RFI.

Metal Armored DVI-D Dual Link Cable Assemblies

| | | | | | |
|-------------|---|-------|-------|-------|------|
| CTLDVIMT-3 | Metal Armored DVI-D Cable Dual Link, Male/Male, 3.0ft (0.9m) | 35.18 | 32.36 | 29.55 | CALL |
| CTLDVIMT-5 | Metal Armored DVI-D Cable Dual Link, Male/Male, 5.0ft (1.5m) | 41.40 | 38.08 | 34.77 | CALL |
| CTLDVIMT-10 | Metal Armored DVI-D Cable Dual Link, Male/Male, 10.0ft (3.0m) | 56.94 | 52.38 | 47.83 | CALL |
| CTLDVIMT-15 | Metal Armored DVI-D Cable Dual Link, Male/Male, 15.0ft (4.6m) | 72.48 | 66.68 | 60.89 | CALL |

Metal Armored DVI-D Dual Link Cable Assemblies - Right Angle, Bottom

| | | | | | |
|---------------|---|-------|-------|-------|------|
| CTLDVIRAMT-3 | Metal Armored DVI-D Cable Dual Link, Male/Male Right Angle, Bottom, 3.0ft (0.9m) | 37.25 | 34.27 | 31.29 | CALL |
| CTLDVIRAMT-5 | Metal Armored DVI-D Cable Dual Link, Male/Male Right Angle, Bottom, 5.0ft (1.5m) | 43.47 | 39.99 | 36.51 | CALL |
| CTLDVIRAMT-10 | Metal Armored DVI-D Cable Dual Link, Male/Male Right Angle, Bottom, 10.0ft (3.0m) | 59.01 | 54.29 | 49.57 | CALL |
| CTLDVIRAMT-15 | Metal Armored DVI-D Cable Dual Link, Male/Male Right Angle, Bottom, 15.0ft (4.6m) | 74.55 | 68.59 | 62.63 | CALL |

Metal Armored DVI-D Single Link Cable Assemblies

| | | | | | |
|--------------|---|-------|-------|-------|------|
| CTLDVISMT-3 | Metal Armored DVI-D Cable Single Link, Male/Male, 3.0ft (0.9m) | 31.03 | 28.55 | 26.07 | CALL |
| CTLDVISMT-5 | Metal Armored DVI-D Cable Single Link, Male/Male, 5.0ft (1.5m) | 35.18 | 32.36 | 29.55 | CALL |
| CTLDVISMT-10 | Metal Armored DVI-D Cable Single Link, Male/Male, 10.0ft (3.0m) | 45.54 | 41.90 | 38.25 | CALL |
| CTLDVISMT-15 | Metal Armored DVI-D Cable Single Link, Male/Male, 15.0ft (4.6m) | 55.90 | 51.43 | 46.96 | CALL |

Plastic Armored DVI-D Cable Assemblies

These cables feature a hardened PVC crush resistant jacket over our premium DVI cable to provide protection in applications where standard cables would be damaged due to excessive force. Crush resistance is 800 PSI (Pounds per Square Inch) minimum. Additional features include rugged over mold connectors, 30 microinch (0.762µm) gold plated contacts and double shielding which protects your A/V signals from EMI/RFI.

Plastic Armored DVI-D Dual Link Cable Assemblies

| | | | | | |
|-------------|---|-------|-------|-------|------|
| CTLDVIPL-3 | Plastic Armored DVI-D Cable Dual Link, Male/Male, 3.0ft (0.9m) | 32.07 | 30.79 | 29.50 | CALL |
| CTLDVIPL-5 | Plastic Armored DVI-D Cable Dual Link, Male/Male, 5.0ft (1.5m) | 35.18 | 33.77 | 32.36 | CALL |
| CTLDVIPL-10 | Plastic Armored DVI-D Cable Dual Link, Male/Male, 10.0ft (3.0m) | 42.95 | 41.23 | 39.51 | CALL |
| CTLDVIPL-15 | Plastic Armored DVI-D Cable Dual Link, Male/Male, 15.0ft (4.6m) | 50.72 | 48.69 | 46.66 | CALL |

Plastic Armored DVI-D Dual Link Cable Assemblies - Right Angle, Bottom

| | | | | | |
|---------------|---|-------|-------|-------|------|
| CTLDVIRAPL-3 | Plastic Armored DVI-D Cable Dual Link, Male/Male Right Angle, Bottom, 3.0ft (0.9m) | 34.14 | 32.78 | 31.41 | CALL |
| CTLDVIRAPL-5 | Plastic Armored DVI-D Cable Dual Link, Male/Male Right Angle, Bottom, 5.0ft (1.5m) | 37.25 | 35.76 | 34.27 | CALL |
| CTLDVIRAPL-10 | Plastic Armored DVI-D Cable Dual Link, Male/Male Right Angle, Bottom, 10.0ft (3.0m) | 45.02 | 43.22 | 41.42 | CALL |
| CTLDVIRAPL-15 | Plastic Armored DVI-D Cable Dual Link, Male/Male Right Angle, Bottom, 15.0ft (4.6m) | 52.79 | 50.68 | 48.57 | CALL |

Plastic Armored DVI-D Single Link Cable Assemblies

| | | | | | |
|--------------|---|-------|-------|-------|------|
| CTLDVISPL-3 | Plastic Armored DVI-D Cable Single Link, Male/Male, 3.0ft (0.9m) | 26.89 | 25.81 | 24.74 | CALL |
| CTLDVISPL-5 | Plastic Armored DVI-D Cable Single Link, Male/Male, 5.0ft (1.5m) | 28.96 | 27.80 | 26.64 | CALL |
| CTLDVISPL-10 | Plastic Armored DVI-D Cable Single Link, Male/Male, 10.0ft (3.0m) | 34.14 | 32.78 | 31.41 | CALL |
| CTLDVISPL-15 | Plastic Armored DVI-D Cable Single Link, Male/Male, 15.0ft (4.6m) | 39.32 | 37.75 | 36.18 | CALL |

EVC Cable Assemblies P&D Male to Male

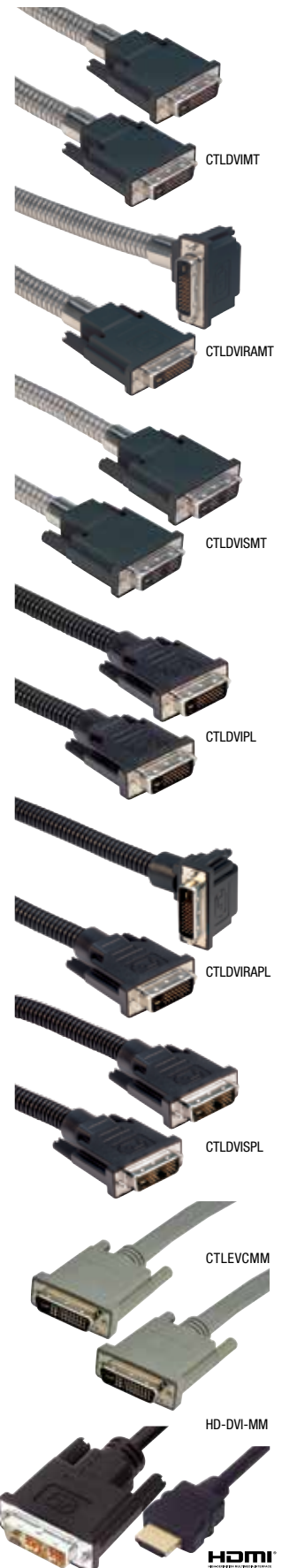
This series of EVC cable assemblies complies with the Video Electronics Standards Association (VESA) requirements for advanced high bandwidth, high resolution monitors. The P&D interface is capable of carrying both analog and digital video signals. Fully molded backshells produce a durable assembly. Optimum video signal quality is achieved by the use of six 75 Ohm coaxial cables to carry the video signal. Available in 6 standard lengths from 3 to 50 feet.

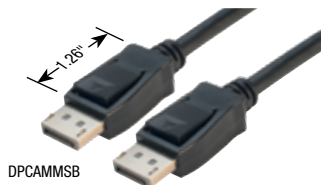
| | | | | | |
|-------------|-------------------------------------|--------|--------|--------|------|
| CTLEVCMM-3 | EVC Cable, Male/Male, 3.0ft (0.9m) | 110.82 | 108.61 | 106.39 | CALL |
| CTLEVCMM-5 | EVC Cable, Male/Male, 5.0ft (1.5m) | 116.42 | 114.09 | 111.76 | CALL |
| CTLEVCMM-10 | EVC Cable, Male/Male, 10.0ft (3.0m) | 130.41 | 127.80 | 125.19 | CALL |
| CTLEVCMM-15 | EVC Cable, Male/Male, 15.0ft (4.6m) | 144.39 | 141.51 | 138.62 | CALL |

Premium HDMI® to DVI-D Cable Assemblies - Fully Molded

High Definition Multimedia Interface (HDMI) is the latest interface for the connection of audio/video equipment. HDMI is fully backwards compatible with DVI video signals. This series of cable allows connection of the digital video signal from a DVI-D interface to a HDMI interface. Available in 5 standard lengths from 1 to 5 meters.

| | | | | | |
|-------------|---|-------|-------|-------|------|
| HD-DVI-MM-1 | HDMI Cable, HDMI Male/DVI-D Male, Single Link, 1.0m | 19.64 | 18.46 | 17.28 | CALL |
| HD-DVI-MM-2 | HDMI Cable, HDMI Male/DVI-D Male, Single Link, 2.0m | 25.85 | 24.30 | 22.75 | CALL |
| HD-DVI-MM-3 | HDMI Cable, HDMI Male/DVI-D Male, Single Link, 3.0m | 32.07 | 30.15 | 28.22 | CALL |
| HD-DVI-MM-4 | HDMI Cable, HDMI Male/DVI-D Male, Single Link, 4.0m | 38.29 | 35.99 | 33.69 | CALL |
| HD-DVI-MM-5 | HDMI Cable, HDMI Male/DVI-D Male, Single Link, 5.0m | 44.50 | 41.83 | 39.16 | CALL |





| Item # | Description | 1-9 | 10-24 | 25-99 | 100+ |
|---|---|-------|-------|-------|------|
| DisplayPort High Definition Audio/Video Cables | | | | | |
| L-com's DisplayPort cables offer a single cable solution providing high definition digital audio and video for computing displays, graphic cards and laptops. DisplayPort replaces DVI and VGA cables and is the new digital display standard for PC computing. It is the HDMI equivalent for computers and provides a simple and easy connection for both high definition digital audio and video. | | | | | |
| DPCAMM-0.5 | DisplayPort Cable Assembly, Male/Male, 0.5m | 25.59 | 24.06 | 22.52 | CALL |
| DPCAMM-1 | DisplayPort Cable Assembly, Male/Male, 1.0m | 27.72 | 26.06 | 24.39 | CALL |
| DPCAMM-2 | DisplayPort Cable Assembly, Male/Male, 2.0m | 31.97 | 30.05 | 28.13 | CALL |
| DPCAMM-3 | DisplayPort Cable Assembly, Male/Male, 3.0m | 36.27 | 34.09 | 31.91 | CALL |

Low Profile DisplayPort High Definition Audio/Video Cables

This cable family is identical to our popular DPCAMM DisplayPort cables except it uses a shorter backshell. The shorter backshell allows these cables to fit in a tighter space without compromising performance. L-com's DisplayPort cable offering provides a single cable solution for high definition digital audio and video for computing displays, graphic cards, and laptops. Seven lengths to choose from ranging from 0.5 to 15 meters.

| | | | | | |
|--------------|--|-------|-------|-------|------|
| DPCAMMSB-0.5 | DisplayPort Short Body Cable Assembly, Male/Male, 0.5m | 21.45 | 20.16 | 18.88 | CALL |
| DPCAMMSB-1 | DisplayPort Short Body Cable Assembly, Male/Male, 1.0m | 23.57 | 22.16 | 20.74 | CALL |
| DPCAMMSB-2 | DisplayPort Short Body Cable Assembly, Male/Male, 2.0m | 27.82 | 26.15 | 24.48 | CALL |
| DPCAMMSB-3 | DisplayPort Short Body Cable Assembly, Male/Male, 3.0m | 32.07 | 30.15 | 28.22 | CALL |

Low Smoke Zero Halogen DisplayPort High Definition Audio/Video Cables

This cable family is identical to our popular DPCAMM DisplayPort cables except it uses Low Smoke Zero Halogen (LSZH) jacketed cable. LSZH cable reduces the amount of toxic and corrosive gases emitted during combustion. Typically used in poorly ventilated areas, low smoke zero halogen is very popular with military contractors and anywhere the protection of people and equipment from toxic and corrosive gases is critical.

| | | | | | |
|-------------|--|-------|-------|-------|------|
| DPCA2MM-0.5 | DisplayPort LSZH Cable Assembly, Male/Male, 0.5m | 26.42 | 24.84 | 23.25 | CALL |
| DPCA2MM-1 | DisplayPort LSZH Cable Assembly, Male/Male, 1.0m | 29.07 | 27.32 | 25.58 | CALL |
| DPCA2MM-2 | DisplayPort LSZH Cable Assembly, Male/Male, 2.0m | 34.35 | 32.29 | 30.23 | CALL |
| DPCA2MM-3 | DisplayPort LSZH Cable Assembly, Male/Male, 3.0m | 39.63 | 37.26 | 34.88 | CALL |

DisplayPort to Mini DisplayPort Cable Assemblies

L-com's DisplayPort to Mini DisplayPort cable assemblies provide a one piece digital audio and video solution for your mobile devices. As technology grows more powerful and compact, the demand for smaller connectors with the same performance as their larger cousins grows. These cable assemblies are the perfect way to connect the newest mobile devices to your DisplayPort monitor without use of an adapter.

| | | | | | |
|--------------|---|-------|-------|-------|------|
| DPCA2MM-0.5M | DisplayPort to Mini DisplayPort Cable Assembly, Male/Male, 0.5m | 20.95 | 19.69 | 18.44 | CALL |
| DPCA2MM-1M | DisplayPort to Mini DisplayPort Cable Assembly, Male/Male, 1.0m | 23.00 | 21.62 | 20.24 | CALL |
| DPCA2MM-2M | DisplayPort to Mini DisplayPort Cable Assembly, Male/Male, 2.0m | 27.10 | 25.47 | 23.85 | CALL |
| DPCA2MM-3M | DisplayPort to Mini DisplayPort Cable Assembly, Male/Male, 3.0m | 31.20 | 29.33 | 27.46 | CALL |

Mini DisplayPort Assemblies

L-com's Mini DisplayPort cable assemblies provide a one piece digital audio and video solution for your mobile devices. As technology grows more powerful and compact, the demand for smaller connectors with the same performance as their larger cousins grows. These cable assemblies are the perfect way to connect the newest mobile devices to a Mini DisplayPort monitor without use of an adapter.

| | | | | | |
|--------------|--|-------|-------|-------|------|
| DPCA3MM-0.5M | Mini DisplayPort Cable Assembly, Male/Male, 0.5m | 19.95 | 18.75 | 17.56 | CALL |
| DPCA3MM-1M | Mini DisplayPort Cable Assembly, Male/Male, 1.0m | 22.00 | 20.68 | 19.36 | CALL |
| DPCA3MM-2M | Mini DisplayPort Cable Assembly, Male/Male, 2.0m | 26.10 | 24.53 | 22.97 | CALL |
| DPCA3MM-3M | Mini DisplayPort Cable Assembly, Male/Male, 3.0m | 30.20 | 28.39 | 26.58 | CALL |
| DPCA3MM-5M | Mini DisplayPort Cable Assembly, Male/Male, 5.0m | 38.40 | 36.10 | 33.79 | CALL |

DisplayPort Female to Mini DisplayPort Male Adapter

L-com's DisplayPort to Mini DisplayPort adapter provides a simple way to modify an existing DisplayPort cable for use with a mobile device utilizing the more compact Mini DisplayPort interface. This adaptor is a more economical option than purchasing a new cable, and allows the option of switching back to the standard DisplayPort interface by simply removing it.

| | | | | | |
|----------|--|-------|-------|------|------|
| VAD010FM | DisplayPort to Mini DisplayPort, Female/Male | 10.95 | 10.29 | 9.64 | CALL |
|----------|--|-------|-------|------|------|

DisplayPort Panel Mount Adapter (Female DP to Female DP)

| | | | | | |
|-------|--|-------|-------|-------|------|
| DP-FF | DisplayPort Panel Mount Adapter, Female/Female | 15.53 | 15.22 | 14.91 | CALL |
|-------|--|-------|-------|-------|------|

DisplayPort to HDMI® Adapter

| | | | | | |
|------------|---|-------|-------|-------|------|
| DP-HD-ADPT | DisplayPort to HDMI Adapter, HDMI Female/DisplayPort Male | 15.53 | 15.22 | 14.91 | CALL |
|------------|---|-------|-------|-------|------|

DisplayPort to HDMI® Adapter Cable, 7.25" (18.4cm) Long

| | | | | | |
|-----------|---|-------|-------|-------|------|
| DP-HD-CBL | DisplayPort to HDMI Adapter Cable, HDMI Female/DisplayPort Male | 28.81 | 28.23 | 27.65 | CALL |
|-----------|---|-------|-------|-------|------|

DisplayPort to DVI Adapter

| | | | | | |
|-------------|---|-------|-------|-------|------|
| DP-DVI-ADPT | DisplayPort to DVI Adapter, DVI Female/DisplayPort Male | 15.53 | 15.22 | 14.91 | CALL |
|-------------|---|-------|-------|-------|------|

DisplayPort to DVI Adapter Cable, 7.25" (18.4cm) Long

| | | | | | |
|------------|---|-------|-------|-------|------|
| DP-DVI-CBL | DisplayPort to DVI Adapter Cable, DVI Female/DisplayPort Male | 28.81 | 28.23 | 27.65 | CALL |
|------------|---|-------|-------|-------|------|

DisplayPort to SVGA Adapter Cable, 8.45" (21.5cm) Long

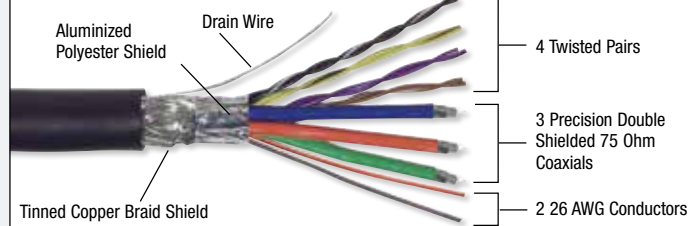
| | | | | | |
|-------------|---|-------|-------|-------|------|
| DP-SVGA-CBL | DisplayPort to SVGA Adapter Cable, SVGA Female/DisplayPort Male | 31.97 | 31.33 | 30.69 | CALL |
|-------------|---|-------|-------|-------|------|

L-com vs. our Competitors

Superior performance requires superior construction. The features beneath the surface are the reason many OEMs have chosen L-com as a key supplier of critical cabling. Superior connector termination utilizing an all steel box provides

360° shielding and reliable strain relief. The bulk cable is double shielded and utilizes 3 mini true 75 Ohm coaxial lines for unmatched video performance. Available on L-com CTL premium and deluxe cable assemblies.

CTL3VGA/CGSVGA Cable Makeup



L-com's Construction

A cutaway view of one of L-com's premium cables

Molded outer shell

Superior shield termination and strain relief

All steel box

Item # Description #Coax 1-9 10-24 25-99 100+

Premium Grade Black SVGA Cables - HD15M to HD15M or HD15M to HD15F with Coaxial Innerns and Ferrites

Premium video assemblies utilize coaxial and twisted pair signal lines plus ferrite cores on either end for optimum video performance.

| | | | | | | |
|----------------|---|---|--------|--------|--------|------|
| CTLF3VGAMM-5 | SVGA Cable, HD15 Male/Male with Ferrites, 5.0ft (1.5m) | 3 | 33.16 | 31.83 | 30.51 | CALL |
| CTLF3VGAMM-10 | SVGA Cable, HD15 Male/Male with Ferrites, 10.0ft (3.0m) | 3 | 43.52 | 41.78 | 40.04 | CALL |
| CTLF3VGAMM-25 | SVGA Cable, HD15 Male/Male with Ferrites, 25.0ft (7.6m) | 3 | 74.61 | 71.62 | 68.64 | CALL |
| CTLF3VGAMM-50 | SVGA Cable, HD15 Male/Male with Ferrites, 50.0ft (15.2m) | 3 | 126.42 | 121.36 | 116.30 | CALL |
| CTLF3VGAMM-100 | SVGA Cable, HD15 Male/Male with Ferrites, 100.0ft (30.5m) | 3 | 230.04 | 220.83 | 211.63 | CALL |
| CTLF3VGAMM-200 | SVGA Cable, HD15 Male/Male with Ferrites, 200.0ft (61.0m) | 3 | 437.28 | 419.79 | 402.29 | CALL |
| CTLF3VGAMF-5 | SVGA Extension Cable, HD15 Male/Female with Ferrites, 5.0ft (1.5m) | 3 | 33.16 | 31.83 | 30.51 | CALL |
| CTLF3VGAMF-10 | SVGA Extension Cable, HD15 Male/Female with Ferrites, 10.0ft (3.0m) | 3 | 43.52 | 41.78 | 40.04 | CALL |
| CTLF3VGAMF-25 | SVGA Extension Cable, HD15 Male/Female with Ferrites, 25.0ft (7.6m) | 3 | 74.61 | 71.62 | 68.64 | CALL |
| CTLF3VGAMF-50 | SVGA Extension Cable, HD15 Male/Female with Ferrites, 50.0ft (15.2m) | 3 | 126.42 | 121.36 | 116.30 | CALL |
| CTLF3VGAMF-100 | SVGA Extension Cable, HD15 Male/Female with Ferrites, 100.0ft (30.5m) | 3 | 230.04 | 220.83 | 211.63 | CALL |
| CTLF3VGAMF-200 | SVGA Extension Cable, HD15 Male/Female with Ferrites, 200.0ft (61.0m) | 3 | 437.28 | 419.79 | 402.29 | CALL |

Premium Grade Black SVGA Cables - HD15M to HD15M with Coaxial Innerns

Premium video assemblies utilize coaxial and twisted pair signal lines for low loss of signal.

| | | | | | | |
|----------------|---|---|--------|--------|--------|------|
| CTL3VGAMM-3B | SVGA Cable, HD15 Male/Male, 3.0ft (0.9m) | 3 | 21.76 | 20.45 | 19.15 | CALL |
| CTL3VGAMM-5B | SVGA Cable, HD15 Male/Male, 5.0ft (1.5m) | 3 | 24.87 | 23.38 | 21.88 | CALL |
| CTL3VGAMM-10B | SVGA Cable, HD15 Male/Male, 10.0ft (3.0m) | 3 | 32.64 | 30.68 | 28.72 | CALL |
| CTL3VGAMM-20B | SVGA Cable, HD15 Male/Male, 20.0ft (6.1m) | 3 | 48.18 | 45.29 | 42.40 | CALL |
| CTL3VGAMM-25B | SVGA Cable, HD15 Male/Male, 25.0ft (7.6m) | 3 | 55.95 | 52.60 | 49.24 | CALL |
| CTL3VGAMM-50B | SVGA Cable, HD15 Male/Male, 50.0ft (15.2m) | 3 | 94.81 | 89.12 | 83.43 | CALL |
| CTL3VGAMM-100B | SVGA Cable, HD15 Male/Male, 100.0ft (30.5m) | 3 | 172.53 | 162.18 | 151.82 | CALL |
| CTL3VGAMM-150B | SVGA Cable, HD15 Male/Male, 150.0ft (45.7m) | 3 | 250.24 | 235.23 | 220.21 | CALL |
| CTL3VGAMM-200B | SVGA Cable, HD15 Male/Male, 200.0ft (61.0m) | 3 | 327.96 | 308.28 | 288.60 | CALL |

Premium Grade Black SVGA Extension Cables - HD15M to HD15F with Coaxial Innerns

| | | | | | | |
|----------------|---|---|--------|--------|--------|------|
| CTL3VGAMF-5B | SVGA Extension Cable, HD15 Male/Female, 5.0ft (1.5m) | 3 | 24.87 | 23.38 | 21.88 | CALL |
| CTL3VGAMF-10B | SVGA Extension Cable, HD15 Male/Female, 10.0ft (3.0m) | 3 | 32.64 | 30.68 | 28.72 | CALL |
| CTL3VGAMF-20B | SVGA Extension Cable, HD15 Male/Female, 20.0ft (6.1m) | 3 | 48.18 | 45.29 | 42.40 | CALL |
| CTL3VGAMF-25B | SVGA Extension Cable, HD15 Male/Female, 25.0ft (7.6m) | 3 | 55.95 | 52.60 | 49.24 | CALL |
| CTL3VGAMF-50B | SVGA Extension Cable, HD15 Male/Female, 50.0ft (15.2m) | 3 | 94.81 | 89.12 | 83.43 | CALL |
| CTL3VGAMF-75B | SVGA Extension Cable, HD15 Male/Female, 75.0ft (22.9m) | 3 | 133.67 | 125.65 | 117.63 | CALL |
| CTL3VGAMF-100B | SVGA Extension Cable, HD15 Male/Female, 100.0ft (30.5m) | 3 | 172.53 | 162.18 | 151.82 | CALL |
| CTL3VGAMF-150B | SVGA Extension Cable, HD15 Male/Female, 150.0ft (45.7m) | 3 | 250.24 | 235.23 | 220.21 | CALL |

Premium Grade Gray SVGA Cables - HD15M to HD15M or HD15M to HD15F with Coaxial Innerns

These premium cables mate with high resolution color monitors and workstations with HD15 D-Sub connectors. High efficiency coaxial wiring is featured to support critical color lines. All molded construction, fully shielded throughout. OEM quantity pricing and special lengths upon request. Color is gray.

| | | | | | | |
|--------------|---|---|-------|-------|-------|------|
| CTL3VGAMM-3 | SVGA Cable, HD15 Male/Male, 3.0ft (0.9m) | 3 | 27.93 | 25.69 | 23.46 | CALL |
| CTL3VGAMM-5 | SVGA Cable, HD15 Male/Male, 5.0ft (1.5m) | 3 | 30.00 | 27.60 | 25.20 | CALL |
| CTL3VGAMM-10 | SVGA Cable, HD15 Male/Male, 10.0ft (3.0m) | 3 | 35.18 | 32.36 | 29.55 | CALL |
| CTL3VGAMF-5 | SVGA Extension Cable, HD15 Male/Female, 5.0ft (1.5m) | 3 | 30.00 | 27.60 | 25.20 | CALL |
| CTL3VGAMF-10 | SVGA Extension Cable, HD15 Male/Female, 10.0ft (3.0m) | 3 | 35.18 | 32.36 | 29.55 | CALL |
| CTL3VGAMF-25 | SVGA Extension Cable, HD15 Male/Female, 25.0ft (7.6m) | 3 | 50.72 | 46.66 | 42.61 | CALL |

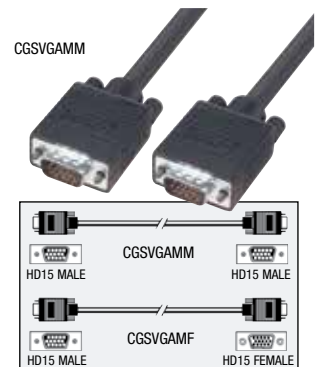
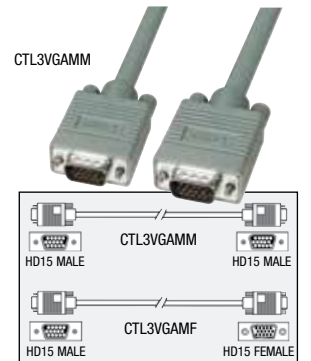
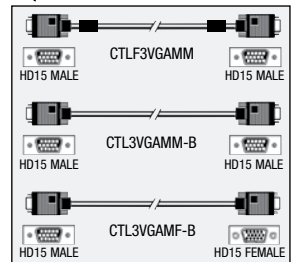
Standard Grade Black SVGA Cable Assemblies - HD15M to HD15M or HD15M to HD15F

L-com's new competitively priced standard grade SVGA cables feature three 75 Ohm coaxial cables to assure high quality video signal transmission. Fully molded backshells provide durability and long life expectancy. These rugged RoHS compliant assemblies are available in standard off the shelf lengths from 3 to 50 feet (0.9 to 15.2m).

| | | | | | | |
|-------------|--|---|-------|-------|-------|------|
| CGSVGAMM-3 | SVGA Cable, HD15 Male/Male, 3.0ft (0.9m) | 3 | 11.40 | 10.49 | 9.57 | CALL |
| CGSVGAMM-5 | SVGA Cable, HD15 Male/Male, 5.0ft (1.5m) | 3 | 12.43 | 11.44 | 10.44 | CALL |
| CGSVGAMM-10 | SVGA Cable, HD15 Male/Male, 10.0ft (3.0m) | 3 | 19.48 | 17.92 | 16.36 | CALL |
| CGSVGAMM-20 | SVGA Cable, HD15 Male/Male, 20.0ft (6.1m) | 3 | 33.16 | 30.51 | 27.85 | CALL |
| CGSVGAMM-25 | SVGA Cable, HD15 Male/Male, 25.0ft (7.6m) | 3 | 36.27 | 33.37 | 30.46 | CALL |
| CGSVGAMM-50 | SVGA Cable, HD15 Male/Male, 50.0ft (15.2m) | 3 | 71.50 | 65.78 | 60.06 | CALL |
| CGSVGAMF-3 | SVGA Extension Cable, HD15 Male/Female, 3.0ft (0.9m) | 3 | 11.61 | 10.68 | 9.75 | CALL |
| CGSVGAMF-5 | SVGA Extension Cable, HD15 Male/Female, 5.0ft (1.5m) | 3 | 12.64 | 11.63 | 10.62 | CALL |
| CGSVGAMF-10 | SVGA Extension Cable, HD15 Male/Female, 10.0ft (3.0m) | 3 | 19.74 | 18.16 | 16.58 | CALL |
| CGSVGAMF-20 | SVGA Extension Cable, HD15 Male/Female, 20.0ft (6.1m) | 3 | 34.56 | 31.79 | 29.03 | CALL |
| CGSVGAMF-25 | SVGA Extension Cable, HD15 Male/Female, 25.0ft (7.6m) | 3 | 36.79 | 33.84 | 30.90 | CALL |
| CGSVGAMF-50 | SVGA Extension Cable, HD15 Male/Female, 50.0ft (15.2m) | 3 | 71.71 | 65.97 | 60.23 | CALL |



Best Seller





| Item # | Description | #Coax | 1-9 | 10-24 | 25-99 | 100+ |
|--------|-------------|-------|-----|-------|-------|------|
|--------|-------------|-------|-----|-------|-------|------|

45 Degree VGA Cable Assemblies

These premium 45 degree VGA extension cables feature three 75 Ohm coaxial cables to assure high quality video signal transmission. The fully molded backshells of the HD15 connectors provide a very durable assembly. In addition the 45° HD15F connector accommodates difficult installation situations. Available in 3, 5 and 10 ft lengths.

| | | | | | | |
|----------------|---|---|-------|-------|-------|------|
| CTL3VGAMM-3BR | 45 Degree VGA Cable Assembly, HD15 Male to 45° HD15 Male, 3.0ft (0.9m) | 3 | 39.48 | 36.32 | 33.16 | CALL |
| CTL3VGAMM-5BR | 45 Degree VGA Cable Assembly, HD15 Male to 45° HD15 Male, 5.0ft (1.5m) | 3 | 41.60 | 38.28 | 34.95 | CALL |
| CTL3VGAMM-10BR | 45 Degree VGA Cable Assembly, HD15 Male to 45° HD15 Male, 10.0ft (3.0m) | 3 | 46.94 | 43.18 | 39.43 | CALL |
| CTL3VGAMF-3BR | 45 Degree VGA Cable Assembly, HD15 Male to 45° HD15 Female, 3.0ft (0.9m) | 3 | 39.48 | 36.32 | 33.16 | CALL |
| CTL3VGAMF-5BR | 45 Degree VGA Cable Assembly, HD15 Male to 45° HD15 Female, 5.0ft (1.5m) | 3 | 41.60 | 38.28 | 34.95 | CALL |
| CTL3VGAMF-10BR | 45 Degree VGA Cable Assembly, HD15 Male to 45° HD15 Female, 10.0ft (3.0m) | 3 | 46.94 | 43.18 | 39.43 | CALL |

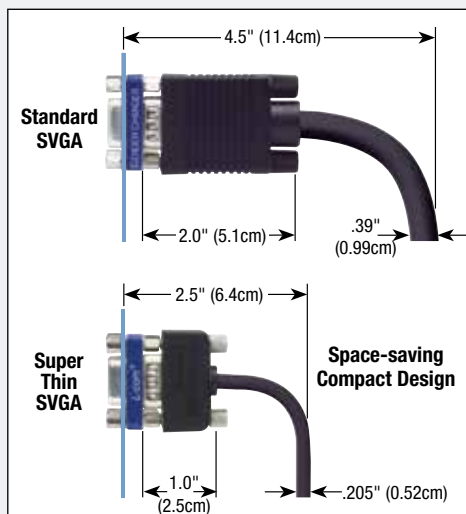
Super Thin SVGA is Ideal for Tight Fitting Spaces

The Super Thin SVGA series offers comparable performance of standard size SVGA assemblies in a much more compact size. Not only is the cable diameter greatly reduced, but the depth of the HD15 backshell is also much more shallow than backshells found on most SVGA assemblies. This results in a cable assembly that can be used in tight confines where a standard size SVGA assembly would be difficult if not impossible to use.

Another feature of this series is reversible hardware allowing either panel mount using standoffs or traditional thumbscrews. The combined results of these features is a product series that is both compact and versatile. These features can be utilized to solve many difficult installation problems without sacrificing performance.

The Super Thin small profile construction is also utilized on our SVGA with disconnect series and our low profile KVM cables.

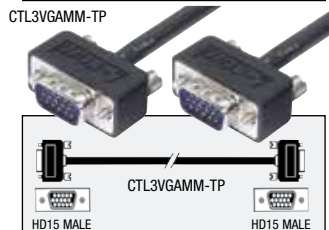
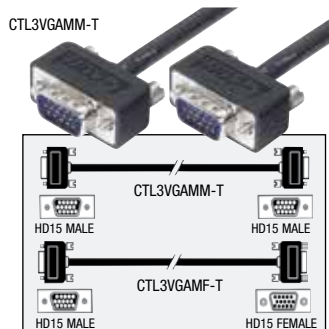
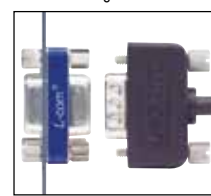
Note: All dimensions are for reference only.



Reversible Hardware

Detail of female end being panel mounted using standoffs

Detail of male end being mounted using thumbscrews



Super Thin SVGA Cables with 3 Mini Coaxial Lines- HD15M to HD15M or HD15M to HD15F

Utilize a revolutionary cable made with 3 ultra thin coaxial lines and still measures .205" (0.52cm) in diameter. Another unique feature is user defined mounting hardware. Each cable end is capable of being connected with either male jack screws or hex standoffs with the supplied hardware.

| | | | | | | |
|---------------|---|---|--------|-------|-------|------|
| CTL3VGAMM-5T | Super Thin SVGA Cable, HD15 Male/Male, 5.0ft (1.5m) | 3 | 32.02 | 30.10 | 28.18 | CALL |
| CTL3VGAMM-10T | Super Thin SVGA Cable, HD15 Male/Male, 10.0ft (3.0m) | 3 | 40.05 | 37.65 | 35.24 | CALL |
| CTL3VGAMM-15T | Super Thin SVGA Cable, HD15 Male/Male, 15.0ft (4.6m) | 3 | 48.03 | 45.15 | 42.26 | CALL |
| CTL3VGAMM-25T | Super Thin SVGA Cable, HD15 Male/Male, 25.0ft (7.6m) | 3 | 64.04 | 60.19 | 56.35 | CALL |
| CTL3VGAMM-50T | Super Thin SVGA Cable, HD15 Male/Male, 50.0ft (15.2m) | 3 | 104.09 | 97.84 | 91.60 | CALL |
| CTL3VGAMF-5T | Super Thin SVGA Extension Cable, HD15 Male/Female, 5.0ft (1.5m) | 3 | 32.02 | 30.10 | 28.18 | CALL |
| CTL3VGAMF-10T | Super Thin SVGA Extension Cable, HD15 Male/Female, 10.0ft (3.0m) | 3 | 40.05 | 37.65 | 35.24 | CALL |
| CTL3VGAMF-15T | Super Thin SVGA Extension Cable, HD15 Male/Female, 15.0ft (4.6m) | 3 | 48.03 | 45.15 | 42.26 | CALL |
| CTL3VGAMF-25T | Super Thin SVGA Extension Cable, HD15 Male/Female, 25.0ft (7.6m) | 3 | 64.04 | 60.19 | 56.35 | CALL |
| CTL3VGAMF-50T | Super Thin SVGA Extension Cable, HD15 Male/Female, 50.0ft (15.2m) | 3 | 104.09 | 97.84 | 91.60 | CALL |

LSZH Jacket Super Thin SVGA Cables- HD15M to HD15M or HD15M to HD15F Cable Assembly

This series of SVGA cables features both our small diameter Super Thin cable and our LSZH jacket for applications where low smoke is critical. An additional feature of this series is our reversible hardware allowing both panel mount using standoffs or traditional thumbscrews. High quality video signal transmission is assured as a result of the three 75 Ohm coaxial lines used in these premium SVGA assemblies. The low profile configuration of our fully molded HD15 backshell makes these assemblies ideal for tight fit installations. Available in 5 standard lengths from 5 to 50 feet (1.5 to 15.2m).

| | | | | | | |
|----------------|--|---|--------|--------|--------|------|
| CTL3VGAMM-5TZ | Super Thin LSZH SVGA Cable, HD15 Male/Male, 5.0ft (1.5m) | 3 | 49.12 | 46.17 | 43.22 | CALL |
| CTL3VGAMM-10TZ | Super Thin LSZH SVGA Cable, HD15 Male/Male, 10.0ft (3.0m) | 3 | 65.13 | 61.22 | 57.31 | CALL |
| CTL3VGAMM-15TZ | Super Thin LSZH SVGA Cable, HD15 Male/Male, 15.0ft (4.6m) | 3 | 81.13 | 76.27 | 71.40 | CALL |
| CTL3VGAMM-25TZ | Super Thin LSZH SVGA Cable, HD15 Male/Male, 25.0ft (7.6m) | 3 | 113.15 | 106.36 | 99.57 | CALL |
| CTL3VGAMM-50TZ | Super Thin LSZH SVGA Cable, HD15 Male/Male, 50.0ft (15.2m) | 3 | 193.20 | 181.61 | 170.02 | CALL |
| CTL3VGAMF-5TZ | Super Thin LSZH SVGA Extension Cable, HD15 Male/Female, 5.0ft (1.5m) | 3 | 49.12 | 46.17 | 43.22 | CALL |
| CTL3VGAMF-10TZ | Super Thin LSZH SVGA Extension Cable, HD15 Male/Female, 10.0ft (3.0m) | 3 | 65.13 | 61.22 | 57.31 | CALL |
| CTL3VGAMF-15TZ | Super Thin LSZH SVGA Extension Cable, HD15 Male/Female, 15.0ft (4.6m) | 3 | 81.13 | 76.27 | 71.40 | CALL |
| CTL3VGAMF-25TZ | Super Thin LSZH SVGA Extension Cable, HD15 Male/Female, 25.0ft (7.6m) | 3 | 113.15 | 106.36 | 99.57 | CALL |
| CTL3VGAMF-50TZ | Super Thin LSZH SVGA Extension Cable, HD15 Male/Female, 50.0ft (15.2m) | 3 | 193.20 | 181.61 | 170.02 | CALL |

Plenum Jacket Super Thin SVGA Cables- HD15M to HD15M

This series is identical to our Super Thin SVGA cables with one important exception, the cable outer jacket and HD15 connector backshell overmold are made from CMP grade plenum material.

| | | | | | | |
|----------------|--|---|--------|--------|--------|------|
| CTL3VGAMM-5TP | Super Thin Plenum SVGA Cable, HD15 Male/Male, 5.0ft (1.5m) | 3 | 85.38 | 83.68 | 81.97 | CALL |
| CTL3VGAMM-10TP | Super Thin Plenum SVGA Cable, HD15 Male/Male, 10.0ft (3.0m) | 3 | 138.75 | 135.97 | 133.20 | CALL |
| CTL3VGAMM-15TP | Super Thin Plenum SVGA Cable, HD15 Male/Male, 15.0ft (4.6m) | 3 | 192.11 | 188.27 | 184.43 | CALL |
| CTL3VGAMM-25TP | Super Thin Plenum SVGA Cable, HD15 Male/Male, 25.0ft (7.6m) | 3 | 298.84 | 292.86 | 286.89 | CALL |
| CTL3VGAMM-50TP | Super Thin Plenum SVGA Cable, HD15 Male/Male, 50.0ft (15.2m) | 3 | 565.66 | 554.35 | 543.04 | CALL |

Tip Use the CTLB series cable for running through 3/4" (1.9cm) conduit

STEP 1



Feed socket end through conduit (3/4" min. dia.) into destination outlet.

STEP 2



Slip shrinkable tubing onto cable, mate the breakaway connector matching alignment arrows and secure.

STEP 3



Attach pre-terminated HD15 connector to faceplate and attach to outlet.

Online Video

L-com.com/videos/A04

Best Seller



CTLB3VGA-MM-T
CTLB3VGA-MM-TZ
CTLB3VGA-MM-TP



CTLB3VGA-MM-T

| Item # | Description | #Coax | 1-9 | 10-24 | 25-99 | 100+ |
|--------|-------------|-------|-----|-------|-------|------|
|--------|-------------|-------|-----|-------|-------|------|

SVGA Cables with Low Profile Disconnect Feature - HD15 Male to HD15 Male or HD15 Female

Now there is a solution to your difficult installation problems. A fully populated DDC compliant assembly with HD15 male/male or male/female connectors utilizing our Super Thin cable, reversible hardware plus a low profile break connector. The low profile break connector's small size (.75" wide /1.9cm) allows routing through .75" (1.9cm) conduit and through tight spaces that would not accommodate the size of a HD15 connector. Color is black.

| | | | | | | |
|-----------------|---|---|--------|--------|--------|------|
| CTLB3VGA-MM-15T | Super Thin SVGA Cable, HD15 Male/Male, 15.0ft (4.6m) | 3 | 74.71 | 68.73 | 62.76 | CALL |
| CTLB3VGA-MM-20T | Super Thin SVGA Cable, HD15 Male/Male, 20.0ft (6.1m) | 3 | 85.38 | 78.55 | 71.72 | CALL |
| CTLB3VGA-MM-25T | Super Thin SVGA Cable, HD15 Male/Male, 25.0ft (7.6m) | 3 | 96.06 | 88.37 | 80.69 | CALL |
| CTLB3VGA-MM-50T | Super Thin SVGA Cable, HD15 Male/Male, 50.0ft (15.2m) | 3 | 149.42 | 137.47 | 125.51 | CALL |
| CTLB3VGA-MM-75T | Super Thin SVGA Cable, HD15 Male/Male, 75.0ft (22.9m) | 3 | 202.78 | 186.56 | 170.34 | CALL |
| CTLB3VGA-MM-15F | Super Thin SVGA Cable, HD15 Male/Female, 15.0ft (4.6m) | 3 | 74.71 | 68.73 | 62.76 | CALL |
| CTLB3VGA-MM-20F | Super Thin SVGA Cable, HD15 Male/Female, 20.0ft (6.1m) | 3 | 85.38 | 80.26 | 75.14 | CALL |
| CTLB3VGA-MM-25F | Super Thin SVGA Cable, HD15 Male/Female, 25.0ft (7.6m) | 3 | 96.06 | 88.37 | 80.69 | CALL |
| CTLB3VGA-MM-50F | Super Thin SVGA Cable, HD15 Male/Female, 50.0ft (15.2m) | 3 | 149.42 | 137.47 | 125.51 | CALL |
| CTLB3VGA-MM-75F | Super Thin SVGA Cable, HD15 Male/Female, 75.0ft (22.9m) | 3 | 202.78 | 186.56 | 170.34 | CALL |

LSZH Jacket SVGA Cables with Low Profile Disconnect Feature - HD15 Male to HD15 Male

This series features a fully populated DDC compliant assembly with (2) low profile HD15 male connectors and our low smoke zero halogen Super Thin cable. An additional feature is our unique user defined mounting hardware plus a low profile break connector which allows routing through .75" (1.9cm) conduit and other tight spaces. Offered in standard lengths with a 1 foot lead in length to the low profile connector.

| | | | | | | |
|------------------|--|---|--------|--------|--------|------|
| CTLB3VGA-MM-15TZ | Super Thin LSZH SVGA Cable, HD15 Male/Male, 15.0ft (4.6m) | 3 | 90.72 | 85.28 | 79.83 | CALL |
| CTLB3VGA-MM-20TZ | Super Thin LSZH SVGA Cable, HD15 Male/Male, 20.0ft (6.1m) | 3 | 106.73 | 100.32 | 93.92 | CALL |
| CTLB3VGA-MM-25TZ | Super Thin LSZH SVGA Cable, HD15 Male/Male, 25.0ft (7.6m) | 3 | 122.74 | 115.37 | 108.01 | CALL |
| CTLB3VGA-MM-50TZ | Super Thin LSZH SVGA Cable, HD15 Male/Male, 50.0ft (15.2m) | 3 | 202.78 | 190.62 | 178.45 | CALL |
| CTLB3VGA-MM-75TZ | Super Thin LSZH SVGA Cable, HD15 Male/Male, 75.0ft (22.9m) | 3 | 282.83 | 265.86 | 248.89 | CALL |

Plenum Jacket SVGA Cables with Low Profile Disconnect Feature - HD15 Male to HD15 Male

This VGA cable series features a fully populated DDC compliant assembly with (2) low profile HD15 male connectors and our CMP plenum rated Super Thin cable. An additional feature of this series is our unique user defined mounting hardware plus a low profile break connector. The low profile disconnect connector's small size allows routing through .75" (1.9cm) conduit and other tight spaces that would not accommodate the size of a HD15 connector.

| | | | | | | |
|------------------|--|---|--------|--------|--------|------|
| CTLB3VGA-MM-15TP | Super Thin Plenum SVGA Cable, HD15 Male/Male, 15.0ft (4.6m) | 3 | 240.14 | 235.34 | 230.53 | CALL |
| CTLB3VGA-MM-25TP | Super Thin Plenum SVGA Cable, HD15 Male/Male, 25.0ft (7.6m) | 3 | 346.87 | 339.93 | 332.99 | CALL |
| CTLB3VGA-MM-50TP | Super Thin Plenum SVGA Cable, HD15 Male/Male, 50.0ft (15.2m) | 3 | 613.69 | 601.42 | 589.14 | CALL |
| CTLB3VGA-MM-75TP | Super Thin Plenum SVGA Cable, HD15 Male/Male, 75.0ft (22.9m) | 3 | 880.51 | 862.90 | 845.29 | CALL |

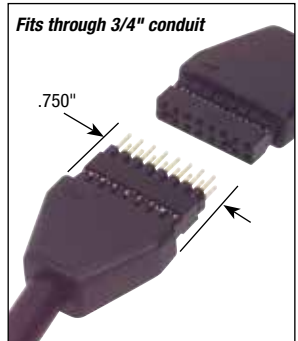
KVM Cables - Integrate HD15 Video and 2 Mini DIN 6 Keyboard and Mouse Lines in One

The CTL3KVM series combines a HD15 (video) cable with two Mini DIN 6 (keyboard and mouse) lines into one assembly. Available in male-male genders for interconnection between a KVM switch and CPU or male-female for connecting between a CPU and the keyboard, monitor and mouse. Color is black.

| | | | | | |
|--------------|---|--------|--------|--------|------|
| CTL3KVM-3 | KVM Cable, Male/Male, 3.0ft (0.9m) | 54.40 | 52.22 | 50.05 | CALL |
| CTL3KVM-5 | KVM Cable, Male/Male, 5.0ft (1.5m) | 58.70 | 56.35 | 54.00 | CALL |
| CTL3KVM-7.5 | KVM Cable, Male/Male, 7.5 ft (2.3m) | 64.14 | 61.58 | 59.01 | CALL |
| CTL3KVM-10 | KVM Cable, Male/Male, 10.0ft (3.0m) | 69.53 | 66.75 | 63.97 | CALL |
| CTL3KVM-20 | KVM Cable, Male/Male, 20.0ft (6.1m) | 91.19 | 87.54 | 83.89 | CALL |
| CTL3KVM-25 | KVM Cable, Male/Male, 25.0ft (7.6m) | 102.01 | 97.93 | 93.85 | CALL |
| CTL3KVM-50 | KVM Cable, Male/Male, 50.0ft (15.2m) | 156.16 | 149.91 | 143.66 | CALL |
| CTL3KVM-100 | KVM Cable, Male/Male, 100.0ft (30.5m) | 264.44 | 253.86 | 243.28 | CALL |
| CTL3KVMF-3 | KVM Cable, Male/Female, 3.0ft (0.9m) | 56.68 | 54.41 | 52.15 | CALL |
| CTL3KVMF-5 | KVM Cable, Male/Female, 5.0ft (1.5m) | 60.98 | 58.54 | 56.10 | CALL |
| CTL3KVMF-7.5 | KVM Cable, Male/Female, 7.5 ft (2.3m) | 66.42 | 63.76 | 61.11 | CALL |
| CTL3KVMF-10 | KVM Cable, Male/Female, 10.0ft (3.0m) | 71.81 | 68.94 | 66.06 | CALL |
| CTL3KVMF-20 | KVM Cable, Male/Female, 20.0ft (6.1m) | 93.47 | 89.73 | 85.99 | CALL |
| CTL3KVMF-25 | KVM Cable, Male/Female, 25.0ft (7.6m) | 104.29 | 100.12 | 95.95 | CALL |
| CTL3KVMF-50 | KVM Cable, Male/Female, 50.0ft (15.2m) | 158.43 | 152.10 | 145.76 | CALL |
| CTL3KVMF-100 | KVM Cable, Male/Female, 100.0ft (30.5m) | 266.72 | 256.05 | 245.38 | CALL |

Tip When do you use Plenum Cable?

In building construction, the space used for air circulation (heating and air conditioning) is called the plenum. This space is also commonly used to route communications cable. This poses a serious hazard in the event of fire due to lack of barriers to contain the smoke and flames. This is why various fire codes and the National Electrical Code (NEC) require the use of fire resistant and low smoke producing cable in these areas. This type of cable is called plenum cable which is made with a fire retardant compound that exhibits self extinguishing characteristics.



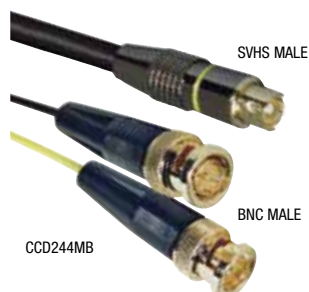
Fits through 3/4" conduit



CTL3KVM



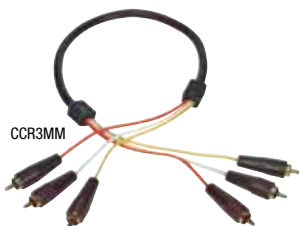
CTL3KVMF

CCD234MM
(molded)CCD234MF
(molded)

SVHS MALE

BNC MALE

CCD244MB



CCR3MM



CCR2MM



BA400R

BA400B



BA400Y



BA400Y

BA400A

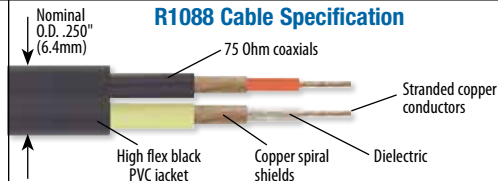
Tip What is S-Video (S-VHS)?

The term S-Video is derived from the way the video signal is transmitted. In S-Video the signal is separated into two components hence the term Separate Video or S-Video. Two 75 Ohm coaxial cables and a Mini DIN 4 connector are utilized to transmit the two component signals. One of the coaxial cables carries the Luminance Signal (brightness or Y component) while the second 75 Ohm coaxial cable carries the Chrominance Signal (color or C component). By separating the video signal into two components a better quality picture is produced than composite video that utilizes one coaxial cable to transmit both signals. The term S-VHS is an acronym for Super-Video Home System.

SVHS (S-Video) Jack



R1088 Cable Specification



| Item # | Description | 1-9 | 10-24 | 25-99 | 100+ |
|--------|-------------|-----|-------|-------|------|
|--------|-------------|-----|-------|-------|------|

Molded S-Video Cable Assemblies, 75 Ohm Dual Coaxial in Single Jacket

| | | | | | |
|--------------|--|-------|-------|-------|------|
| CCD234MM-1 | Molded Mini DIN 4 Male/Male, 1.0ft (0.3m) | 6.01 | 5.65 | 5.29 | CALL |
| CCD234MM-2 | Molded Mini DIN 4 Male/Male, 2.0ft (0.6m) | 6.79 | 6.38 | 5.97 | CALL |
| CCD234MM-3 | Molded Mini DIN 4 Male/Male, 3.0ft (0.9m) | 7.51 | 7.06 | 6.61 | CALL |
| CCD234MM-5 | Molded Mini DIN 4 Male/Male, 5.0ft (1.5m) | 9.07 | 8.52 | 7.98 | CALL |
| CCD234MM-7.5 | Molded Mini DIN 4 Male/Male, 7.5ft (2.3m) | 10.93 | 10.28 | 9.62 | CALL |
| CCD234MM-10 | Molded Mini DIN 4 Male/Male, 10.0ft (3.0m) | 12.85 | 12.08 | 11.31 | CALL |
| CCD234MM-20 | Molded Mini DIN 4 Male/Male, 20.0ft (6.1m) | 20.46 | 19.24 | 18.01 | CALL |
| CCD234MM-30 | Molded Mini DIN 4 Male/Male, 30.0ft (9.1m) | 28.08 | 26.40 | 24.71 | CALL |
| CCD234MM-40 | Molded Mini DIN 4 Male/Male, 40.0ft (12.2m) | 35.70 | 33.56 | 31.41 | CALL |
| CCD234MM-50 | Molded Mini DIN 4 Male/Male, 50.0ft (15.2m) | 43.31 | 40.71 | 38.12 | CALL |
| CCD234MF-1 | Molded Mini DIN 4 Male/Female, 1.0ft (0.3m) | 6.01 | 5.65 | 5.29 | CALL |
| CCD234MF-2 | Molded Mini DIN 4 Male/Female, 2.0ft (0.6m) | 6.79 | 6.38 | 5.97 | CALL |
| CCD234MF-3 | Molded Mini DIN 4 Male/Female, 3.0ft (0.9m) | 7.51 | 7.06 | 6.61 | CALL |
| CCD234MF-5 | Molded Mini DIN 4 Male/Female, 5.0ft (1.5m) | 9.07 | 8.52 | 7.98 | CALL |
| CCD234MF-7.5 | Molded Mini DIN 4 Male/Female, 7.5ft (2.3m) | 10.93 | 10.28 | 9.62 | CALL |
| CCD234MF-10 | Molded Mini DIN 4 Male/Female, 10.0ft (3.0m) | 12.85 | 12.08 | 11.31 | CALL |
| CCD234MF-20 | Molded Mini DIN 4 Male/Female, 20.0ft (6.1m) | 20.46 | 19.24 | 18.01 | CALL |

Assembled S-Video Cable Assemblies - Molded Dual BNC-M, 75 Ohm Dual Coaxial Breakout Cable

| | | | | | |
|--------------|--|-------|-------|-------|------|
| CCD244MB-1 | Assembled Mini DIN 4 Male/Dual BNC Male, 1.0ft (0.3m) | 14.71 | 13.83 | 12.95 | CALL |
| CCD244MB-2 | Assembled Mini DIN 4 Male/Dual BNC Male, 2.0ft (0.6m) | 15.49 | 14.56 | 13.63 | CALL |
| CCD244MB-3 | Assembled Mini DIN 4 Male/Dual BNC Male, 3.0ft (0.9m) | 16.22 | 15.24 | 14.27 | CALL |
| CCD244MB-5 | Assembled Mini DIN 4 Male/Dual BNC Male, 5.0ft (1.5m) | 17.77 | 16.70 | 15.64 | CALL |
| CCD244MB-7.5 | Assembled Mini DIN 4 Male/Dual BNC Male, 7.5ft (2.3m) | 19.64 | 18.46 | 17.28 | CALL |
| CCD244MB-10 | Assembled Mini DIN 4 Male/Dual BNC Male, 10.0ft (3.0m) | 21.55 | 20.26 | 18.97 | CALL |
| CCD244MB-20 | Assembled Mini DIN 4 Male/Dual BNC Male, 20.0ft (6.1m) | 29.17 | 27.42 | 25.67 | CALL |

Premium RCA Audio/Video Molded Cables - 3 RCA's Per End

Premium high flex Thinline 75 Ohm coaxials and fully molded strain reliefs with gold plated connectors provide rugged and reliable connections. Individual legs colored in yellow, white and red.

| | | | | | |
|-----------|--|-------|-------|-------|------|
| CCR3MM-2 | 3 Line RCA Cable, RCA Male/Male, 2.0ft (0.6m) | 9.64 | 8.87 | 8.09 | CALL |
| CCR3MM-3 | 3 Line RCA Cable, RCA Male/Male, 3.0ft (0.9m) | 10.67 | 9.82 | 8.97 | CALL |
| CCR3MM-6 | 3 Line RCA Cable, RCA Male/Male, 6.0ft (1.8m) | 13.89 | 12.77 | 11.66 | CALL |
| CCR3MM-9 | 3 Line RCA Cable, RCA Male/Male, 9.0ft (2.7m) | 17.10 | 15.73 | 14.36 | CALL |
| CCR3MM-12 | 3 Line RCA Cable, RCA Male/Male, 12.0ft (3.6m) | 20.31 | 18.68 | 17.06 | CALL |
| CCR3MM-25 | 3 Line RCA Cable, RCA Male/Male, 25.0ft (7.6m) | 34.19 | 31.46 | 28.72 | CALL |

Premium Molded RCA Audio Cable Assembly - 2 RCA's Per End

These high quality dual line coaxial cables with gold plated RCA connectors provide the best in audio transmission. Color coded in Red and White to easily identify the left and right channel.

| | | | | | |
|-----------|---|-------|-------|-------|------|
| CCR2MM-2 | 2 Line Dual RCA Cable, RCA Male/Male, 2.0ft (0.6m) | 6.68 | 6.28 | 5.88 | CALL |
| CCR2MM-3 | 2 Line Dual RCA Cable, RCA Male/Male, 3.0ft (0.9m) | 7.20 | 6.77 | 6.34 | CALL |
| CCR2MM-6 | 2 Line Dual RCA Cable, RCA Male/Male, 6.0ft (1.8m) | 8.81 | 8.28 | 7.75 | CALL |
| CCR2MM-9 | 2 Line Dual RCA Cable, RCA Male/Male, 9.0ft (2.7m) | 10.41 | 9.79 | 9.16 | CALL |
| CCR2MM-12 | 2 Line Dual RCA Cable, RCA Male/Male, 12.0ft (3.6m) | 12.02 | 11.30 | 10.58 | CALL |
| CCR2MM-25 | 2 Line Dual RCA Cable, RCA Male/Male, 25.0ft (7.6m) | 18.96 | 17.82 | 16.69 | CALL |

RCA Female Feed-Thru Adapter - with Red, Blue, Yellow or White Insulators

These RCA feed-thru adapters feature insulators color coded for both video and audio applications. This color coding assists in component hookup to avoid improper connections.

| | | | | | |
|--------|---|------|------|------|------|
| BA400R | Coaxial Adapter, RCA Bulkhead Female/Female, Red Insulator | 4.09 | 3.85 | 3.60 | CALL |
| BA400B | Coaxial Adapter, RCA Bulkhead Female/Female, Blue Insulator | 4.09 | 3.85 | 3.60 | CALL |
| BA400Y | Coaxial Adapter, RCA Bulkhead Female/Female, Yellow Insulator | 4.09 | 3.85 | 3.60 | CALL |
| BA400 | Coaxial Adapter, RCA Bulkhead Female/Female, White Insulator | 4.09 | 3.85 | 3.60 | CALL |
| BA400A | Coaxial Adapter, RCA Bulkhead Female/Female, 0.5" (1.3cm) Circular Hole | 4.09 | 3.85 | 3.60 | CALL |

Tip Video signal transmission

Video images are transmitted across cables in a variety of ways. From a single coaxial cable (even non coaxial cable in some cases) to the use of as many as 5 coaxial lines to transmit the video image. Basically, the more the video signal is broken down by the use of more transmission lines into individual components, the better the video image. The following is a progressive list on commonly used video signal transmission methods:



Red, Green, Blue (RGB): This method uses 3 to 5 coaxial lines with BNC style connectors or HD15 interface. The video signal is split into three primary colors, Red, Green, Blue with separate lines often used for control signals. This method produces an extremely high quality video image.

S-Video (SVHS): This method utilizes two coaxial lines contained within one outer jacket with a Mini DIN 4 circular connector. One coaxial line carries the Black and White information; the second coaxial line carries all the color information. This produces a high quality video image.

Composite: A single coaxial line with an RCA connector carries both the Black and White as well as the color signal. This method produces a relatively good quality video image.

RF Video: A single coaxial line with a Type F connector. It produces the lowest quality video image of all the interface types.



Component: Three coaxial lines are used in this method with RCA style connectors. Black and White information is carried on one coaxial line while color differential signals are carried on the two remaining coaxial lines. This method produces a very high quality video image.

| Item # | Description | #Coax | 1-9 | 10-24 | 25-99 | 100+ |
|--------|-------------|-------|-----|-------|-------|------|
|--------|-------------|-------|-----|-------|-------|------|

Premium Grade Black or Gray SVGA Breakout Cables - HD15M to 5 BNC Plugs

This is our best quality VGA cable. It makes use of the most comprehensive shielding to minimize the amount of RF radiation that may escape through the cable. Five 75 Ohm miniature coaxials have a durable double shield composed of aluminum mylar and a copper braid; and another double shield composed of aluminum mylar and copper braid over the 5 coaxials. The connector shell has a full metal shell which is fully over-molded. There is just no better VGA cable made. Color is black or gray. **Note:** HD15 connections: pin #1 red, 2 green, 3 blue, 13 horizontal, 14 vertical. All shields terminate to pins 5 thru 10. No connection pins 4, 9, 11, 12 and 15.

| | | | | | | |
|-------------|--|---|-------|-------|-------|------|
| CTL5CAT-3B | SVGA Breakout Cable, HD15 Male/5 BNC Male, 3.0ft (0.9m) | 5 | 36.63 | 33.70 | 30.77 | CALL |
| CTL5CAT-6B | SVGA Breakout Cable, HD15 Male/5 BNC Male, 6.0ft (1.8m) | 5 | 43.47 | 39.99 | 36.51 | CALL |
| CTL5CAT-6BF | SVGA Breakout Cable, HD15 Male/5 BNC Male with Ferrite, 6.0ft (1.8m) | 5 | 46.11 | 42.42 | 38.73 | CALL |
| CTL5CAT-12B | SVGA Breakout Cable, HD15 Male/5 BNC Male, 12.0ft (3.6m) | 5 | 57.20 | 52.62 | 48.05 | CALL |
| CTL5CAT-3 | SVGA Breakout Cable, HD15 Male/5 BNC Male, 3.0ft (0.9m) | 5 | 36.63 | 33.70 | 30.77 | CALL |
| CTL5CAT-6 | SVGA Breakout Cable, HD15 Male/5 BNC Male, 6.0ft (1.8m) | 5 | 43.47 | 39.99 | 36.51 | CALL |
| CTL5CAT-6F | SVGA Breakout Cable, HD15 Male/5 BNC Male with Ferrite, 6.0ft (1.8m) | 5 | 46.11 | 42.42 | 38.73 | CALL |

Premium Grade Gray SVGA Breakout Extension Cables - HD15M to 5 BNC Jacks

Note: HD15 connections: pin #1 red, 2 green, 3 blue, 13 horizontal, 14 vertical. All shields terminate to pins 5 thru 10. No connection pins 4, 9, 11, 12 and 15.

| | | | | | | |
|-------------|--|---|-------|-------|-------|------|
| CTL5CAR-1.5 | SVGA Breakout Ext. Cable, HD15 Male/5 BNC Female, 1.5ft (0.5m) | 5 | 38.39 | 35.32 | 32.25 | CALL |
|-------------|--|---|-------|-------|-------|------|

Premium Grade Gray SVGA Breakout Extension Cable - HD15M to 4 BNC Jacks

Note: HD15 connections: pin #1 red, 2 green, 3 blue, 13 Sync. All shields terminate to pins 5 thru 10.

| | | | | | | |
|-------------|--|---|-------|-------|-------|------|
| CTL4CAR-1.5 | SVGA Breakout Ext. Cable, HD15 Male/4 BNC Female, 1.5ft (0.5m) | 4 | 32.28 | 29.70 | 27.11 | CALL |
|-------------|--|---|-------|-------|-------|------|

Premium 3 Line Coaxial Cable with BNC Plugs

These extraordinary low loss coaxials are particularly suitable for transmission of RGB signals over extended distances without worry of signal deterioration or crosstalk. Each individual Slimline coaxial has a 75 Ohm impedance and a full shield coverage comprised of a copper braid and mylar shield. Coaxial colors are red, green and blue. Outer appearance is black including molded strain reliefs.

| | | | | | | |
|------------|--|---|-------|-------|-------|------|
| CTL3B-5B | Premium Multi-Coaxial Cable, 3 BNC Male/Male, 5.0ft (1.5m) | 3 | 23.68 | 21.78 | 19.89 | CALL |
| CTL3B-7.5B | Premium Multi-Coaxial Cable, 3 BNC Male/Male, 7.5ft (2.3m) | 3 | 27.41 | 25.21 | 23.02 | CALL |
| CTL3B-10B | Premium Multi-Coaxial Cable, 3 BNC Male/Male, 10.0ft (3.0m) | 3 | 31.03 | 28.55 | 26.07 | CALL |
| CTL3B-15B | Premium Multi-Coaxial Cable, 3 BNC Male/Male, 15.0ft (4.6m) | 3 | 38.39 | 35.32 | 32.25 | CALL |
| CTL3B-25B | Premium Multi-Coaxial Cable, 3 BNC Male/Male, 25.0ft (7.6m) | 3 | 53.05 | 48.81 | 44.56 | CALL |
| CTL3B-50B | Premium Multi-Coaxial Cable, 3 BNC Male/Male, 50.0ft (15.2m) | 3 | 89.79 | 82.60 | 75.42 | CALL |

Premium 4 Line Coaxial Cable with BNC Plugs

Coaxial colors are red, green, black and blue. Outer appearance is black including molded strain reliefs.

| | | | | | | |
|------------|--|---|--------|--------|-------|------|
| CTL4B-5B | Premium Multi-Coaxial Cable, 4 BNC Male/Male, 5.0ft (1.5m) | 4 | 28.86 | 26.55 | 24.24 | CALL |
| CTL4B-7.5B | Premium Multi-Coaxial Cable, 4 BNC Male/Male, 7.5ft (2.3m) | 4 | 33.47 | 30.79 | 28.11 | CALL |
| CTL4B-10B | Premium Multi-Coaxial Cable, 4 BNC Male/Male, 10.0ft (3.0m) | 4 | 38.08 | 35.03 | 31.99 | CALL |
| CTL4B-15B | Premium Multi-Coaxial Cable, 4 BNC Male/Male, 15.0ft (4.6m) | 4 | 47.35 | 43.57 | 39.78 | CALL |
| CTL4B-25B | Premium Multi-Coaxial Cable, 4 BNC Male/Male, 25.0ft (7.6m) | 4 | 65.85 | 60.58 | 55.31 | CALL |
| CTL4B-50B | Premium Multi-Coaxial Cable, 4 BNC Male/Male, 50.0ft (15.2m) | 4 | 112.07 | 103.10 | 94.13 | CALL |

Premium 5 Line Coaxial Cable with BNC Plugs

Coaxial colors are red, green, black, gray and blue. Outer appearance is black including molded strain reliefs.

| | | | | | | |
|------------|--|---|--------|--------|--------|------|
| CTL5B-5B | Premium Multi-Coaxial Cable, 5 BNC Male/Male, 5.0ft (1.5m) | 5 | 34.30 | 31.55 | 28.81 | CALL |
| CTL5B-7.5B | Premium Multi-Coaxial Cable, 5 BNC Male/Male, 7.5ft (2.3m) | 5 | 40.00 | 36.80 | 33.60 | CALL |
| CTL5B-10B | Premium Multi-Coaxial Cable, 5 BNC Male/Male, 10.0ft (3.0m) | 5 | 45.70 | 42.04 | 38.38 | CALL |
| CTL5B-15B | Premium Multi-Coaxial Cable, 5 BNC Male/Male, 15.0ft (4.6m) | 5 | 57.15 | 52.57 | 48.00 | CALL |
| CTL5B-25B | Premium Multi-Coaxial Cable, 5 BNC Male/Male, 25.0ft (7.6m) | 5 | 79.99 | 73.60 | 67.20 | CALL |
| CTL5B-50B | Premium Multi-Coaxial Cable, 5 BNC Male/Male, 50.0ft (15.2m) | 5 | 137.09 | 126.12 | 115.15 | CALL |

Premium 8 Line Coaxial Cable with BNC Plugs

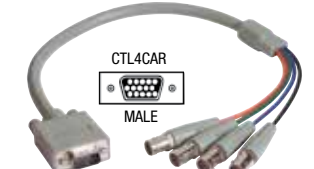
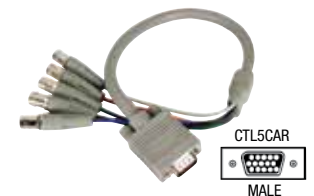
Coaxial colors are red, green, black, white, gray, purple, yellow and blue. Outer appearance is black including molded strain reliefs.

| | | | | | | |
|------------|---|---|--------|--------|--------|------|
| CTL8B-5B | Premium Multi-Coaxial Cable, 8 BNC Male/Male, 5.0ft (1.5m) | 8 | 85.49 | 80.36 | 75.23 | CALL |
| CTL8B-7.5B | Premium Multi-Coaxial Cable, 8 BNC Male/Male, 7.5ft (2.3m) | 8 | 91.19 | 85.71 | 80.24 | CALL |
| CTL8B-10B | Premium Multi-Coaxial Cable, 8 BNC Male/Male, 10.0ft (3.0m) | 8 | 96.88 | 91.07 | 85.26 | CALL |
| CTL8B-15B | Premium Multi-Coaxial Cable, 8 BNC Male/Male, 15.0ft (4.6m) | 8 | 108.28 | 101.79 | 95.29 | CALL |
| CTL8B-20B | Premium Multi-Coaxial Cable, 8 BNC Male/Male, 20.0ft (6.1m) | 8 | 119.68 | 112.50 | 105.32 | CALL |
| CTL8B-25B | Premium Multi-Coaxial Cable, 8 BNC Male/Male, 25.0ft (7.6m) | 8 | 131.08 | 123.21 | 115.35 | CALL |

L-com 75 Ohm BNC 1U/2U Patch Panels - 19" (48.3cm) Rack Style

These robust BNC patch panels are made from 16 gauge cold rolled steel and finished with a durable black powder coat. These patch panels can be mounted in any 19" (48.3cm) rack or cabinet.

| | | | | | |
|---------------|---|--------|--------|--------|------|
| PR175B1675BLK | 1.75" (4.4cm) Panel, 16 - 75 Ohm BNC Adapters Insulated | 125.33 | 120.32 | 115.30 | CALL |
| PR35B3275BLK | 3.50" (8.9cm) Panel, 32 - 75 Ohm BNC Adapters Insulated | 239.31 | 229.74 | 220.17 | CALL |



More RG59 cable assemblies available. Go to L-com.com



CC59A




CC59A-HR



CC59A-RR



CC59B

| Item # | Description | 1-9 | 10-24 | 25-99 | 100+ |
|--|--|---------------------|----------|---------|------|
| RG59A/U - 75 Ohm Coaxial Cables with Inline Molded BNC and RCA Plugs | | | | | |
| L-com offers a wide variety of RG59A/U cable assemblies utilizing BNC and RCA connectors. RG59A/U cable is one of the most commonly used 75 Ohm cables. In addition to inline configurations L-com offers right angle and female bulkheads. All connectors feature a molded strain relief while the Type F connector features a captivated gold plated center pin for enhanced performance. The stranded center conductor of the RG59A/U cable provides maximum flexibility. | | | | | |
| <div>RG59A/U</div> <div></div> <div>75 Ohm Impedance</div> | RG59A/U | NOMINAL ATTENUATION | | | |
| | <ul style="list-style-type: none">Center Conductor: 22 (7 x 30) AWG bare compacted copperShielding: Bare copper braid (96% coverage)Insulation: Foam polyethyleneJacket: Black PVCOperating Temperature: -40°C - +80°C | MHz | db/100ft | db/100m | |
| | | 50 | 2.1 | 6.9 | |
| | | 100 | 3.0 | 9.8 | |
| | | 200 | 4.5 | 14.8 | |
| | | 400 | 6.6 | 21.7 | |
| | | 1000 | 10.9 | 35.8 | |

RG59A/U - 75 Ohm Coaxial Cables with Two Inline BNC Plugs


| | | | | | |
|-----------|---|--------|--------|--------|------|
| CC59A-05 | RG59A Cable, BNC Male/Male, 0.5ft (0.2m) | 9.38 | 9.00 | 8.63 | CALL |
| CC59A-1 | RG59A Cable, BNC Male/Male, 1.0ft (0.3m) | 9.64 | 9.25 | 8.87 | CALL |
| CC59A-1.5 | RG59A Cable, BNC Male/Male, 1.5ft (0.5m) | 9.90 | 9.50 | 9.10 | CALL |
| CC59A-2 | RG59A Cable, BNC Male/Male, 2.0ft (0.6m) | 10.15 | 9.75 | 9.34 | CALL |
| CC59A-2.5 | RG59A Cable, BNC Male/Male, 2.5ft (0.8m) | 10.41 | 10.00 | 9.58 | CALL |
| CC59A-3 | RG59A Cable, BNC Male/Male, 3.0ft (0.9m) | 10.67 | 10.25 | 9.82 | CALL |
| CC59A-4 | RG59A Cable, BNC Male/Male, 4.0ft (1.2m) | 11.24 | 10.79 | 10.34 | CALL |
| CC59A-5 | RG59A Cable, BNC Male/Male, 5.0ft (1.5m) | 11.76 | 11.29 | 10.82 | CALL |
| CC59A-6 | RG59A Cable, BNC Male/Male, 6.0ft (1.8m) | 12.28 | 11.79 | 11.30 | CALL |
| CC59A-7.5 | RG59A Cable, BNC Male/Male, 7.5ft (2.3m) | 13.11 | 12.58 | 12.06 | CALL |
| CC59A-10 | RG59A Cable, BNC Male/Male, 10.0ft (3.0m) | 14.45 | 13.88 | 13.30 | CALL |
| CC59A-12 | RG59A Cable, BNC Male/Male, 12.0ft (3.6m) | 15.49 | 14.87 | 14.25 | CALL |
| CC59A-15 | RG59A Cable, BNC Male/Male, 15.0ft (4.6m) | 17.10 | 16.41 | 15.73 | CALL |
| CC59A-25 | RG59A Cable, BNC Male/Male, 25.0ft (7.6m) | 22.43 | 21.54 | 20.64 | CALL |
| CC59A-50 | RG59A Cable, BNC Male/Male, 50.0ft (15.2m) | 35.80 | 34.37 | 32.94 | CALL |
| CC59A-75 | RG59A Cable, BNC Male/Male, 75.0ft (22.9m) | 49.12 | 47.15 | 45.19 | CALL |
| CC59A-100 | RG59A Cable, BNC Male/Male, 100.0ft (30.5m) | 62.48 | 59.98 | 57.48 | CALL |
| CC59A-150 | RG59A Cable, BNC Male/Male, 150.0ft (45.7m) | 89.17 | 85.60 | 82.03 | CALL |
| CC59A-200 | RG59A Cable, BNC Male/Male, 200.0ft (61m) | 115.85 | 111.21 | 106.58 | CALL |

RG59A/U - 75 Ohm Coaxial Cables with Inline BNC to Right Angle BNC Plugs

| | | | | | |
|-------------|---|-------|-------|-------|------|
| CC59A-1HR | RG59A Cable, BNC Male/90° Male, 1.0ft (0.3m) | 12.38 | 11.89 | 11.39 | CALL |
| CC59A-1.5HR | RG59A Cable, BNC Male/90° Male, 1.5ft (0.5m) | 12.65 | 12.14 | 11.64 | CALL |
| CC59A-2HR | RG59A Cable, BNC Male/90° Male, 2.0ft (0.6m) | 12.91 | 12.40 | 11.88 | CALL |
| CC59A-2.5HR | RG59A Cable, BNC Male/90° Male, 2.5ft (0.8m) | 13.23 | 12.70 | 12.18 | CALL |
| CC59A-3HR | RG59A Cable, BNC Male/90° Male, 3.0ft (0.9m) | 13.50 | 12.96 | 12.42 | CALL |
| CC59A-4HR | RG59A Cable, BNC Male/90° Male, 4.0ft (1.2m) | 14.03 | 13.47 | 12.91 | CALL |
| CC59A-5HR | RG59A Cable, BNC Male/90° Male, 5.0ft (1.5m) | 14.57 | 13.99 | 13.40 | CALL |
| CC59A-7.5HR | RG59A Cable, BNC Male/90° Male, 7.5ft (2.3m) | 15.96 | 15.32 | 14.68 | CALL |
| CC59A-10HR | RG59A Cable, BNC Male/90° Male, 10.0ft (3.0m) | 17.34 | 16.65 | 15.96 | CALL |

RG59A/U - 75 Ohm Coaxial Cables with Two Inline RCA Plugs

| | | | | | |
|-------------|---|-------|-------|-------|------|
| CC59A-RR-1 | RG59A Cable, RCA Male/Male, 1.0ft (0.3m) | 5.28 | 5.07 | 4.86 | CALL |
| CC59A-RR-3 | RG59A Cable, RCA Male/Male, 3.0ft (0.9m) | 6.46 | 6.20 | 5.94 | CALL |
| CC59A-RR-6 | RG59A Cable, RCA Male/Male, 6.0ft (1.8m) | 8.22 | 7.89 | 7.56 | CALL |
| CC59A-RR-9 | RG59A Cable, RCA Male/Male, 9.0ft (2.7m) | 9.98 | 9.58 | 9.18 | CALL |
| CC59A-RR-12 | RG59A Cable, RCA Male/Male, 12.0ft (3.6m) | 11.74 | 11.27 | 10.80 | CALL |

| | | | | |
|---|---|---------------------|----------|---------|
| <div>RG59B/U</div> <div></div> <div>75 Ohm Impedance</div> | <div>RG59B/U</div> <ul style="list-style-type: none">• Center Conductor: 22 AWG solid bare copper covered steel• Shielding: Bare copper braid (95% coverage)• Insulation: Polyethylene• Jacket: Black PVC• Operating Temperature: -40°C - +80°C | NOMINAL ATTENUATION | | |
| | | MHz | db/100ft | db/100m |
| | | 50 | 2.4 | 7.9 |
| | | 100 | 3.4 | 11.1 |
| | | 200 | 4.9 | 16.1 |
| | | 400 | 7.0 | 23.0 |
| | | 1000 | 12.0 | 39.3 |

RG59B/U - 75 Ohm Coaxial Cables with Two Inline BNC Plugs

| | | | | | |
|-----------|---|--------|--------|--------|------|
| CC59B-05 | RG59B Cable, BNC Male/Male, 0.5ft (0.2m) | 9.38 | 9.00 | 8.63 | CALL |
| CC59B-1 | RG59B Cable, BNC Male/Male, 1.0ft (0.3m) | 9.64 | 9.25 | 8.87 | CALL |
| CC59B-1.5 | RG59B Cable, BNC Male/Male, 1.5ft (0.5m) | 9.90 | 9.50 | 9.10 | CALL |
| CC59B-2 | RG59B Cable, BNC Male/Male, 2.0ft (0.6m) | 10.15 | 9.75 | 9.34 | CALL |
| CC59B-2.5 | RG59B Cable, BNC Male/Male, 2.5ft (0.8m) | 10.41 | 10.00 | 9.58 | CALL |
| CC59B-3 | RG59B Cable, BNC Male/Male, 3.0ft (0.9m) | 10.67 | 10.25 | 9.82 | CALL |
| CC59B-4 | RG59B Cable, BNC Male/Male, 4.0ft (1.2m) | 11.24 | 10.79 | 10.34 | CALL |
| CC59B-5 | RG59B Cable, BNC Male/Male, 5.0ft (1.5m) | 11.76 | 11.29 | 10.82 | CALL |
| CC59B-6 | RG59B Cable, BNC Male/Male, 6.0ft (1.8m) | 12.28 | 11.79 | 11.30 | CALL |
| CC59B-7.5 | RG59B Cable, BNC Male/Male, 7.5ft (2.3m) | 13.11 | 12.58 | 12.06 | CALL |
| CC59B-10 | RG59B Cable, BNC Male/Male, 10.0ft (3.0m) | 14.45 | 13.88 | 13.30 | CALL |
| CC59B-12 | RG59B Cable, BNC Male/Male, 12.0ft (3.6m) | 15.49 | 14.87 | 14.25 | CALL |
| CC59B-15 | RG59B Cable, BNC Male/Male, 15.0ft (4.6m) | 17.10 | 16.41 | 15.73 | CALL |
| CC59B-25 | RG59B Cable, BNC Male/Male, 25.0ft (7.6m) | 22.43 | 21.54 | 20.64 | CALL |
| CC59B-50 | RG59B Cable, BNC Male/Male, 50.0ft (15.2m) | 35.80 | 34.37 | 32.94 | CALL |
| CC59B-75 | RG59B Cable, BNC Male/Male, 75.0ft (22.9m) | 49.12 | 47.15 | 45.19 | CALL |
| CC59B-100 | RG59B Cable, BNC Male/Male, 100.0ft (30.5m) | 62.48 | 59.98 | 57.48 | CALL |
| CC59B-150 | RG59B Cable, BNC Male/Male, 150.0ft (45.7m) | 89.17 | 85.60 | 82.03 | CALL |
| CC59B-200 | RG59B Cable, BNC Male/Male, 200.0ft (61.0m) | 115.85 | 111.21 | 106.58 | CALL |

| Item # | Description | 1-9 | 10-24 | 25-99 | 100+ |
|---|---|-------|-------|-------|------|
| RG59B/U - 75 Ohm Coaxial Cables with Inline BNC Plug to BNC Jack | | | | | |
| CC59B-MF-1 | RG59B Cable, BNC Male/Female Bulkhead, 1.0ft (0.3m) | 13.23 | 12.44 | 11.65 | CALL |
| CC59B-MF-3 | RG59B Cable, BNC Male/Female Bulkhead, 3.0ft (0.9m) | 14.30 | 13.44 | 12.59 | CALL |
| CC59B-MF-6 | RG59B Cable, BNC Male/Female Bulkhead, 6.0ft (1.8m) | 15.96 | 15.00 | 14.04 | CALL |
| CC59B-MF-10 | RG59B Cable, BNC Male/Female Bulkhead, 10.0ft (3.0m) | 18.14 | 17.06 | 15.97 | CALL |
| CC59B-MF-25 | RG59B Cable, BNC Male/Female Bulkhead, 25.0ft (7.6m) | 26.42 | 24.83 | 23.25 | CALL |
| CC59B-MF-50 | RG59B Cable, BNC Male/Female Bulkhead, 50.0ft (15.2m) | 40.13 | 37.72 | 35.31 | CALL |

RG59B/U - 75 Ohm Coaxial Cables with One Inline BNC to One Right Angle BNC Plug


| | | | | | |
|-------------|---|-------|-------|-------|------|
| CC59B-1HR | RG59B Cable, BNC Male/90° Male, 1.0ft (0.3m) | 13.23 | 12.70 | 12.18 | CALL |
| CC59B-1.5HR | RG59B Cable, BNC Male/90° Male, 1.5ft (0.5m) | 13.50 | 12.96 | 12.42 | CALL |
| CC59B-2HR | RG59B Cable, BNC Male/90° Male, 2.0ft (0.6m) | 13.82 | 13.27 | 12.72 | CALL |
| CC59B-3HR | RG59B Cable, BNC Male/90° Male, 3.0ft (0.9m) | 14.41 | 13.83 | 13.26 | CALL |
| CC59B-4HR | RG59B Cable, BNC Male/90° Male, 4.0ft (1.2m) | 15.00 | 14.40 | 13.80 | CALL |
| CC59B-5HR | RG59B Cable, BNC Male/90° Male, 5.0ft (1.5m) | 15.58 | 14.96 | 14.34 | CALL |
| CC59B-7.5HR | RG59B Cable, BNC Male/90° Male, 7.5ft (2.3m) | 17.02 | 16.34 | 15.66 | CALL |
| CC59B-10HR | RG59B Cable, BNC Male/90° Male, 10.0ft (3.0m) | 18.52 | 17.78 | 17.04 | CALL |

RG59B/U - 75 Ohm Coaxial Cables with Two Inline Molded Type F Plugs

| | | | | | |
|------------|--|-------|-------|-------|------|
| CCF59B-1 | RG59B Cable, Type F Male/Male, 1.0ft (0.3m) | 4.82 | 4.63 | 4.43 | CALL |
| CCF59B-3 | RG59B Cable, Type F Male/Male, 3.0ft (0.9m) | 5.91 | 5.67 | 5.43 | CALL |
| CCF59B-6 | RG59B Cable, Type F Male/Male, 6.0ft (1.8m) | 7.51 | 7.21 | 6.91 | CALL |
| CCF59B-9 | RG59B Cable, Type F Male/Male, 9.0ft (2.7m) | 9.12 | 8.75 | 8.39 | CALL |
| CCF59B-12 | RG59B Cable, Type F Male/Male, 12.0ft (3.7m) | 10.67 | 10.25 | 9.82 | CALL |
| CCF59B-25 | RG59B Cable, Type F Male/Male, 25.0ft (7.6m) | 17.62 | 16.91 | 16.21 | CALL |
| CCF59B-50 | RG59B Cable, Type F Male/Male, 50.0ft (15.2m) | 30.98 | 29.74 | 28.50 | CALL |
| CCF59B-100 | RG59B Cable, Type F Male/Male, 100.0ft (30.5m) | 57.66 | 55.36 | 53.05 | CALL |

Thinline 75 Ohm (.11"/2.8mm Dia.) Coaxial Cable Assemblies with Two Inline BNC Plugs

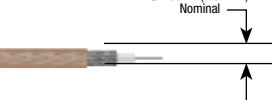
Substitute our smaller diameter, more flexible, lighter weight thinline cable assemblies for your traditional 75 Ohm cable assemblies. This coaxial cable features a spiral tinned copper shield and a proprietary air foamed dielectric.

| <div>Thinline</div> <div></div> <div>75 Ohm Impedance</div> | <div>Thinline</div> <ul style="list-style-type: none">Center Conductor: 28 AWG (7 x 38) stranded tinned copper wireShielding: Tinned copper spiral shield (95% coverage)Insulation: Foamed polyethyleneJacket: Black PVCOperating Temperature: -40°C - +80°C | NOMINAL ATTENUATION | | | |
|--|--|---------------------|----------|---------|--|
| | | MHz | db/100ft | db/100m | |
| | | 5 | 1.4 | 4.6 | |
| | | 10 | 2.1 | 6.9 | |
| | | 30 | 3.8 | 12.5 | |
| 50 | 5.1 | 16.7 | | | |
| 100 | 7.6 | 24.9 | | | |

| | | | | | |
|-----------|--|-------|-------|-------|------|
| CTL1B-1 | Thinline Cable, BNC Male/Male, 1.0ft (0.3m) | 7.51 | 7.21 | 6.91 | CALL |
| CTL1B-2.5 | Thinline Cable, BNC Male/Male, 2.5ft (0.8m) | 8.29 | 7.96 | 7.63 | CALL |
| CTL1B-5 | Thinline Cable, BNC Male/Male, 5.0ft (1.5m) | 9.64 | 9.25 | 8.87 | CALL |
| CTL1B-7.5 | Thinline Cable, BNC Male/Male, 7.5ft (2.3m) | 10.98 | 10.54 | 10.11 | CALL |
| CTL1B-10 | Thinline Cable, BNC Male/Male, 10.0ft (3.0m) | 12.28 | 11.79 | 11.30 | CALL |
| CTL1B-15 | Thinline Cable, BNC Male/Male, 15.0ft (4.6m) | 14.97 | 14.37 | 13.78 | CALL |
| CTL1B-25 | Thinline Cable, BNC Male/Male, 25.0ft (7.6m) | 20.31 | 19.50 | 18.68 | CALL |


RG179B/U - 75 Ohm High Temperature Cable Assemblies with Two Inline BNC Plugs

This 75 Ohm cable features a brown tinted FEP outer jacket and an operating temperature of 200°C.

| RG179B/U |  | RG179B/U | NOMINAL ATTENUATION | | |
|------------------|---|---|---------------------|----------|---------|
| | | | MHz | db/100ft | db/100m |
| | | | 50 | 8.5 | 27.9 |
| 75 Ohm Impedance | | <ul style="list-style-type: none">Center Conductor: 30 AWG (7 x 38) stranded silver plated copper covered steelShielding: Silver coated copper braid (95% coverage)Insulation: TFE teflonJacket: Brown FEPOperating Temperature: -70°C - +200°C | 100 | 10.0 | 32.8 |
| | | | 200 | 12.5 | 41.0 |
| | | | 400 | 16.0 | 52.5 |
| | | | 1000 | 24.0 | 78.7 |
| | | | | | |
| CC179B-1 | RG179 Cable, BNC Male/Male, 1.0ft (0.3m) | 23.11 | 22.18 | 21.26 | CALL |
| CC179B-1.5 | RG179 Cable, BNC Male/Male, 1.5ft (0.5m) | 23.91 | 22.95 | 21.99 | CALL |
| CC179B-2 | RG179 Cable, BNC Male/Male, 2.0ft (0.6m) | 24.76 | 23.77 | 22.78 | CALL |
| CC179B-2.5 | RG179 Cable, BNC Male/Male, 2.5ft (0.8m) | 25.56 | 24.54 | 23.52 | CALL |
| CC179B-5 | RG179 Cable, BNC Male/Male, 5.0ft (1.5m) | 29.72 | 28.53 | 27.35 | CALL |
| CC179B-7.5 | RG179 Cable, BNC Male/Male, 7.5ft (2.3m) | 33.83 | 32.48 | 31.13 | CALL |
| CC179B-10 | RG179 Cable, BNC Male/Male, 10.0ft (3.0m) | 37.94 | 36.42 | 34.91 | CALL |
| CC179B-15 | RG179 Cable, BNC Male/Male, 15.0ft (4.6m) | 46.21 | 44.36 | 42.52 | CALL |

RG6/U Quad Shielded - 75 Ohm Coaxial Cable Assemblies with Two Inline Type F Plugs

This series features premium grade RG6 cable with four layers of shielding for enhanced performance coupled with our BAC529 weather resistant Type F male connectors. These Type F connectors utilize both silicone sealant as well as an internal O-ring to achieve performance suitable for both indoor and outdoor applications.

| RG6/U Quad Shielded | | RG6/U Quad Shielded | NOMINAL ATTENUATION | | |
|---|---|--|---------------------|----------|---------|
| | | | MHz | db/100ft | db/100m |
|  75 Ohm Impedance | | <ul style="list-style-type: none">Center Conductor: 18 AWG solid bare copper covered steelShielding: 2x inner foil (100% coverage); 2x outer aluminum braid (60% coverage)Insulation: Foam PolyethyleneJacket: Black PVCOperating Temperature: -40°C - +80°C | 55 | 1.6 | 5.2 |
| | | 211 | 2.9 | 9.5 | |
| | | 300 | 3.4 | 11.2 | |
| | | 400 | 4.0 | 13.1 | |
| | | 1000 | 6.5 | 21.3 | |
| CC60F-05 | RG6 Cable, Type F Male/Male, 0.5ft (0.2m) | 21.35 | 20.06 | 18.78 | CALL |
| CC60F-1 | RG6 Cable, Type F Male/Male, 1.0ft (0.3m) | 21.66 | 20.36 | 19.06 | CALL |
| CC60F-3 | RG6 Cable, Type F Male/Male, 3.0ft (0.9m) | 22.69 | 21.33 | 19.97 | CALL |
| CC60F-6 | RG6 Cable, Type F Male/Male, 6.0ft (1.8m) | 24.30 | 22.84 | 21.38 | CALL |
| CC60F-9 | RG6 Cable, Type F Male/Male, 9.0ft (2.7m) | 25.91 | 24.35 | 22.80 | CALL |
| CC60F-12 | RG6 Cable, Type F Male/Male, 12.0ft (3.7m) | 27.51 | 25.86 | 24.21 | CALL |
| CC60F-25 | RG6 Cable, Type F Male/Male, 25.0ft (7.6m) | 34.45 | 32.39 | 30.32 | CALL |
| CC60F-50 | RG6 Cable, Type F Male/Male, 50.0ft (15.2m) | 47.77 | 44.90 | 42.04 | CALL |



CC59B-MF



CC59B-HR



CCF59B



CTL1B



CC179B



CC60F



CC6PB



CTL35MF



CTL35MMT



CTL35MFT



CTL354MM



CTL35MMC



BA35FF

| Item # | Description | 1-9 | 10-24 | 25-99 | 100+ |
|--------|-------------|-----|-------|-------|------|
|--------|-------------|-----|-------|-------|------|

RG6/U Plenum - 75 Ohm Coaxial Cable Assemblies with Inline BNC Plugs

This series offers the commonly used RG6 cable sizes with a plenum jacket for applications that require this level of fire retardation and low smoke attributes. Offered with BNC male connectors in eight convenient lengths. Custom lengths available with modest minimums.

| RG6/U Plenum | | NOMINAL ATTENUATION | | |
|-------------------------|---|---------------------|----------|---------|
| | | MHz | db/100ft | db/100m |
| 75 Ohm Impedance | <ul style="list-style-type: none"> Center Conductor: 18 AWG solid bare copper covered steel Shielding: Inner foil (100% coverage); Outer, aluminum braid (60% coverage) Insulation: FFEF - Foam Fluorinated Ethylene Propylene Jacket: White Plenum Operating Temperature: -20°C - +75°C | 50 | 1.6 | 4.9 |
| | | 100 | 2.2 | 6.9 |
| | | 200 | 3.0 | 10.2 |
| | | 400 | 4.6 | 14.8 |
| | | 1000 | 7.3 | 23.9 |

RG6/U Plenum - 75 Ohm Coaxial Cables with Two Inline BNC Plugs

| | | | | | |
|-----------|--|-------|-------|-------|------|
| CC6PB-1 | RG6 Plenum Cable, BNC Male/Male, 1.0ft (0.3m) | 34.74 | 33.35 | 31.96 | CALL |
| CC6PB-1.5 | RG6 Plenum Cable, BNC Male/Male, 1.5ft (0.5m) | 35.86 | 34.43 | 32.99 | CALL |
| CC6PB-2 | RG6 Plenum Cable, BNC Male/Male, 2.0ft (0.6m) | 38.10 | 36.58 | 35.05 | CALL |
| CC6PB-2.5 | RG6 Plenum Cable, BNC Male/Male, 2.5ft (0.8m) | 39.22 | 37.65 | 36.08 | CALL |
| CC6PB-5 | RG6 Plenum Cable, BNC Male/Male, 5.0ft (1.5m) | 44.83 | 43.03 | 41.24 | CALL |
| CC6PB-7.5 | RG6 Plenum Cable, BNC Male/Male, 7.5ft (2.3m) | 50.43 | 48.41 | 46.39 | CALL |
| CC6PB-10 | RG6 Plenum Cable, BNC Male/Male, 10.0ft (3.0m) | 56.03 | 53.79 | 51.55 | CALL |
| CC6PB-15 | RG6 Plenum Cable, BNC Male/Male, 15.0ft (4.6m) | 67.24 | 64.55 | 61.86 | CALL |

Premium 3.5mm (1/8") 3 Conductor Cables for Microphone, Speaker and Other Applications

These low loss premium 3.5mm cable assemblies offer superior performance when compared to similar commercial counterparts. Connectors are gold plated reducing corrosion while maintaining reliable contact. 22 AWG conductors and double shield provide minimum loss even at long lengths.

| | | | | | |
|-------------|--|-------|-------|-------|------|
| CTL35MM-3 | Stereo Cable, 3.5mm Male/Male, 3.0ft (0.9m) | 5.34 | 5.12 | 4.91 | CALL |
| CTL35MM-5 | Stereo Cable, 3.5mm Male/Male, 5.0ft (1.5m) | 6.42 | 6.17 | 5.91 | CALL |
| CTL35MM-10 | Stereo Cable, 3.5mm Male/Male, 10.0ft (3.0m) | 9.12 | 8.75 | 8.39 | CALL |
| CTL35MM-25 | Stereo Cable, 3.5mm Male/Male, 25.0ft (7.6m) | 17.10 | 16.41 | 15.73 | CALL |
| CTL35MM-50 | Stereo Cable, 3.5mm Male/Male, 50.0ft (15.2m) | 30.46 | 29.25 | 28.03 | CALL |
| CTL35MM-100 | Stereo Cable, 3.5mm Male/Male, 100.0ft (30.5m) | 57.15 | 54.86 | 52.57 | CALL |
| CTL35MF-3 | Stereo Cable, 3.5mm Male/Female, 3.0ft (0.9m) | 5.34 | 5.12 | 4.91 | CALL |
| CTL35MF-5 | Stereo Cable, 3.5mm Male/Female, 5.0ft (1.5m) | 6.42 | 6.17 | 5.91 | CALL |
| CTL35MF-10 | Stereo Cable, 3.5mm Male/Female, 10.0ft (3.0m) | 9.12 | 8.75 | 8.39 | CALL |
| CTL35MF-25 | Stereo Cable, 3.5mm Male/Female, 25.0ft (7.6m) | 17.10 | 16.41 | 15.73 | CALL |
| CTL35MF-50 | Stereo Cable, 3.5mm Male/Female, 50.0ft (15.2m) | 30.46 | 29.25 | 28.03 | CALL |
| CTL35MF-100 | Stereo Cable, 3.5mm Male/Female, 100.0ft (30.5m) | 57.15 | 54.86 | 52.57 | CALL |

Super Thin 3.5mm Cables

L-com's CTL35MMT-XX series of high quality stereo cable assemblies produces distortion free audio transmission. Features include gold plated center contacts to minimize signal loss as well as fully molded strain relief for enhanced durability and long life. These super thin 3.5mm cables feature an outside diameter (OD) of only 3.5mm. Available in 7 standard lengths from 3 to 100 feet, custom lengths are also available.

| | | | | | |
|--------------|---|-------|-------|-------|------|
| CTL35MMT-3 | Stereo ThinLine Audio Cable, Male/Male, 3.0ft (0.9m) | 4.14 | 3.90 | 3.65 | CALL |
| CTL35MMT-5 | Stereo ThinLine Audio Cable, Male/Male, 5.0ft (1.5m) | 4.77 | 4.48 | 4.19 | CALL |
| CTL35MMT-10 | Stereo ThinLine Audio Cable, Male/Male, 10.0ft (3.0m) | 6.22 | 5.84 | 5.47 | CALL |
| CTL35MMT-15 | Stereo ThinLine Audio Cable, Male/Male, 15.0ft (4.5m) | 7.77 | 7.31 | 6.84 | CALL |
| CTL35MMT-25 | Stereo ThinLine Audio Cable, Male/Male, 25.0ft (7.6m) | 10.36 | 9.74 | 9.12 | CALL |
| CTL35MMT-50 | Stereo ThinLine Audio Cable, Male/Male, 50.0ft (15.2m) | 18.13 | 17.05 | 15.96 | CALL |
| CTL35MMT-100 | Stereo ThinLine Audio Cable, Male/Male, 100.0ft (30.5m) | 36.27 | 34.09 | 31.91 | CALL |
| CTL35MFT-3 | Stereo ThinLine Audio Cable, Male/Female, 3.0ft (0.9m) | 4.14 | 3.90 | 3.65 | CALL |
| CTL35MFT-5 | Stereo ThinLine Audio Cable, Male/Female, 5.0ft (1.5m) | 4.77 | 4.48 | 4.19 | CALL |
| CTL35MFT-10 | Stereo ThinLine Audio Cable, Male/Female, 10.0ft (3.0m) | 6.22 | 5.84 | 5.47 | CALL |
| CTL35MFT-15 | Stereo ThinLine Audio Cable, Male/Female, 15.0ft (4.5m) | 7.77 | 7.31 | 6.84 | CALL |
| CTL35MFT-25 | Stereo ThinLine Audio Cable, Male/Female, 25.0ft (7.6m) | 10.36 | 9.74 | 9.12 | CALL |
| CTL35MFT-50 | Stereo ThinLine Audio Cable, Male/Female, 50.0ft (15.2m) | 18.13 | 17.05 | 15.96 | CALL |
| CTL35MFT-100 | Stereo ThinLine Audio Cable, Male/Female, 100.0ft (30.5m) | 36.27 | 34.09 | 31.91 | CALL |

ThinLine 3.5mm 4 Circuit TRRS

L-com's CTL354MM-XX series of high quality stereo audio/video cable assemblies produces distortion free audio and video transmissions. The cables are commonly used on Apple's iPod and iPhone products and work with other TRRS audio/video applications as well. Features include gold plated center contacts to minimize signal loss as well as fully molded strain relief for enhanced durability and long life. These super thin TRRS cables feature an outside diameter (OD) of only 3.5mm. Available in 8 standard lengths from 3 to 100 feet, custom lengths are also available.

| | | | | | |
|--------------|--|-------|-------|-------|------|
| CTL354MM-3 | Stereo 4 Circuit TRRS ThinLine Audio Cable, Male/Male, 3.0ft (0.9m) | 6.17 | 5.80 | 5.43 | CALL |
| CTL354MM-5 | Stereo 4 Circuit TRRS ThinLine Audio Cable, Male/Male, 5.0ft (1.5m) | 8.24 | 7.74 | 7.25 | CALL |
| CTL354MM-10 | Stereo 4 Circuit TRRS ThinLine Audio Cable, Male/Male, 10.0ft (3.0m) | 13.42 | 12.61 | 11.81 | CALL |
| CTL354MM-15 | Stereo 4 Circuit TRRS ThinLine Audio Cable, Male/Male, 15.0ft (4.5m) | 18.60 | 17.48 | 16.37 | CALL |
| CTL354MM-20 | Stereo 4 Circuit TRRS ThinLine Audio Cable, Male/Male, 20.0ft (6.1m) | 23.78 | 22.35 | 20.93 | CALL |
| CTL354MM-25 | Stereo 4 Circuit TRRS ThinLine Audio Cable, Male/Male, 25.0ft (7.6m) | 28.96 | 27.22 | 25.49 | CALL |
| CTL354MM-50 | Stereo 4 Circuit TRRS ThinLine Audio Cable, Male/Male, 50.0ft (15.2m) | 51.76 | 48.65 | 45.55 | CALL |
| CTL354MM-100 | Stereo 4 Circuit TRRS ThinLine Audio Cable, Male/Male, 100.0ft (30.5m) | 82.84 | 77.87 | 72.90 | CALL |

Coiled 3.5mm Cables

L-com's line of coiled 3.5mm cables are perfect for variable reach application where access to a 3.5mm jacks can fluctuate. These rugged coiled 3.5mm cables feature black polyurethane jackets which stand up to UV and chemical exposure. The CTL35MMC-XX series cables from L-com can be used in myriad applications where length variation and mobility are required such as medical, industrial, and manufacturing scenarios.

| | | | | | |
|--------------|---|-------|-------|-------|------|
| CTL35MMC-0.5 | Coiled 3.5mm Stereo Audio Cable, Male/Male, 0.5ft (0.1m) (Relaxed Length) | 20.67 | 20.26 | 19.85 | CALL |
| CTL35MMC-1 | Coiled 3.5mm Stereo Audio Cable, Male/Male, 1.0ft (0.3m) (Relaxed Length) | 21.71 | 21.27 | 20.84 | CALL |
| CTL35MMC-2 | Coiled 3.5mm Stereo Audio Cable, Male/Male, 2.0ft (0.6m) (Relaxed Length) | 22.80 | 22.34 | 21.88 | CALL |
| CTL35MMC-3 | Coiled 3.5mm Stereo Audio Cable, Male/Male, 3.0ft (0.9m) (Relaxed Length) | 24.97 | 24.47 | 23.97 | CALL |
| CTL35MMC-4 | Coiled 3.5mm Stereo Audio Cable, Male/Male, 4.0ft (1.2m) (Relaxed Length) | 26.06 | 25.54 | 25.02 | CALL |
| CTL35MMC-5 | Coiled 3.5mm Stereo Audio Cable, Male/Male, 5.0ft (1.5m) (Relaxed Length) | 27.15 | 26.61 | 26.06 | CALL |

3.5mm Audio Bulkhead Coupler

L-com's 3.5mm audio bulkhead coupler offers a practical and economical way to feed audio cables through panels, wall plates and enclosures. The .50" D-hole design and lock washer ensure a secure fit. This versatile coupler is also available pre-mounted on L-com's USP2-35MM and USP4-35MM two port and four port Universal Sub Panels.

| | | | | | |
|--------|------------------------------|------|------|------|------|
| BA35FF | 3.5mm Audio Bulkhead Coupler | 8.45 | 7.77 | 7.09 | CALL |
|--------|------------------------------|------|------|------|------|

| Item # | Description | Cable Type | Attachment | 1-9 | 10-24 | 25-99 | 100+ |
|--|--|------------|------------|------|-------|-------|------|
| True 75 Ohm BNC Within Series Adapters - To Precisely Match All 75 Ohm Coaxial Cables | | | | | | | |
| BA016 | Coaxial Adapter, BNC Female/Female (Splice) | | | 3.32 | 3.12 | 2.92 | CALL |
| BA019 | Coaxial T Adapter, BNC Female/Female/Female | | | 5.54 | 5.21 | 4.88 | CALL |
| BA035 | Coaxial T Adapter, BNC Female/Male/Female | | | 5.54 | 5.21 | 4.88 | CALL |
| BA036 | Coaxial Adapter, BNC Female/Female Bulkhead | | | 5.54 | 5.21 | 4.88 | CALL |
| BA038 | Coaxial Adapter, BNC Male/90° Female | | | 5.54 | 5.21 | 4.88 | CALL |
| BA039 | Coaxial Adapter, BNC Female/Female Bulkhead, Insulated | | | 6.32 | 5.94 | 5.56 | CALL |

BNC Coaxial Connectors, 75 Ohm

| | | | | | | | |
|------------|-----------------------|--------------------|--------------|------|------|------|------|
| BAC026 | BNC Male | RG6 | Twist On | 3.73 | 3.51 | 3.28 | CALL |
| BAC032 | BNC Male | RG6 | Crimp (2 Pc) | 3.68 | 3.46 | 3.24 | CALL |
| BAC029 | BNC Male | RG6 | Crimp (3 Pc) | 3.68 | 3.46 | 3.24 | CALL |
| BAC042 | BNC Male | RG6-Q | Crimp | 2.54 | 2.39 | 2.23 | CALL |
| BAC024 | BNC Male | RG59 | Twist On | 3.73 | 3.51 | 3.28 | CALL |
| BAC027 | BNC Male | RG59 (23 AWG C.C.) | Crimp | 3.68 | 3.46 | 3.24 | CALL |
| BAC027A | BNC Male | RG59 (20 AWG C.C.) | Crimp | 3.68 | 3.46 | 3.24 | CALL |
| BAC028 | BNC Male | RG59 Plenum | Crimp (3 Pc) | 3.68 | 3.46 | 3.24 | CALL |
| BAC030 | BNC Male | RG59 | Crimp (2 Pc) | 3.68 | 3.46 | 3.24 | CALL |
| BAC031 | BNC Male | RG59 Plenum | Crimp (2 Pc) | 3.68 | 3.46 | 3.24 | CALL |
| BAC033 | BNC Male | RG59 | Solder | 4.87 | 4.58 | 4.29 | CALL |
| BAC543 | BNC Male, Right Angle | RG59 | Crimp | 5.34 | 5.02 | 4.70 | CALL |
| BAC706 | BNC Male, Right Angle | RG59/6 | Crimp | 6.48 | 6.09 | 5.70 | CALL |
| BAC985 | BNC Male, Right Angle | RG59/6 | Twist On | 6.58 | 6.19 | 5.79 | CALL |
| BAC836A-59 | BNC Male | RG59/6 | Crimp | 3.11 | 2.92 | 2.74 | CALL |
| BAC551 | BNC Male, Right Angle | RG179/RG187 | Crimp | 5.91 | 5.55 | 5.20 | CALL |
| BAC836B-87 | BNC Male | RG187/CTL | Crimp | 3.11 | 2.92 | 2.74 | CALL |
| BAC516 | BNC Female | RG6 | Crimp | 4.51 | 4.24 | 3.97 | CALL |
| BAC908-59 | BNC Female | RG59/6 | Crimp | 4.51 | 4.24 | 3.97 | CALL |
| BAC552 | BNC Female Bulkhead | RG59 | Crimp | 6.01 | 5.65 | 5.29 | CALL |
| BAC550 | BNC Female Bulkhead | RG179 | Crimp | 4.56 | 4.29 | 4.01 | CALL |

Type F Coaxial Connectors, 75 Ohm

| | | | | | | | |
|------------|-----------------------------|---------------------------|-------------|------|------|------|------|
| BAC529 | Type F Male, Indoor/Outdoor | RG6 | Crimp | 1.45 | 1.36 | 1.28 | CALL |
| BAC-EX6 | Type F Male | RG6 | Compression | 1.71 | 1.61 | 1.50 | CALL |
| BAC-CFS59U | Type F Male, Indoor | RG59 | Crimp | 1.14 | 1.07 | 1.00 | CALL |
| BAC530 | Type F Male, Indoor/Outdoor | RG59 | Crimp | 1.45 | 1.36 | 1.28 | CALL |
| BAC-EX59 | Type F Male | RG59 | Compression | 1.71 | 1.61 | 1.50 | CALL |
| AFM-1700 | Type F Male | Low-Loss 195-Series, RG58 | Crimp | 3.86 | 3.55 | 3.24 | CALL |
| BAC520 | Type F Female | RG59 | Crimp | 3.21 | 3.02 | 2.83 | CALL |

RG59A and RG6 Bulk Cable

| RG59A/U | NOMINAL ATTENUATION | | | Item # | Description | List |
|---|---------------------|----------|---------|-----------|--------------------------------|--------|
| | MHz | db/100ft | db/100m | | | |
| <ul style="list-style-type: none"> Center Conductor: 22 (7x30) AWG bare copper Shielding: Bare copper braid (95% coverage) Insulation: Foam polyethylene Jacket: Black PVC Operating Temperature: -40°C - +80°C | 100 | 3.0 | 9.8 | RG59A-100 | RG59A/U, 100ft (30.5m) coil | 27.15 |
| | 200 | 4.5 | 14.8 | RG59A-500 | RG59A/U, 500ft (152.4m) spool | 108.75 |
| | 400 | 6.6 | 21.7 | RG59A-1K | RG59A/U, 1,000ft (304.8m) spl. | 217.55 |
| | 1000 | 10.9 | 35.8 | | | |
| RG6/U | NOMINAL ATTENUATION | | | Item # | Description | List |
| | MHz | db/100ft | db/100m | | | |
| <ul style="list-style-type: none"> Center Conductor: 18 AWG solid bare copper Shielding: Inner foil (100% coverage); Outer, copper braid (60% coverage) Insulation: Foam Polyethylene Jacket: Black PVC Operating Temperature: -40°C - +80°C | 100 | 2.1 | 6.9 | RG6-100 | RG6/U, 100ft (30.5m) coil | 16.27 |
| | 200 | 3.1 | 10.2 | RG6-500 | RG6/U, 500ft (152.4m) spool | 81.55 |
| | 400 | 4.5 | 14.8 | RG6-1K | RG6/U, 1,000ft (304.8m) spool | 184.96 |
| | 1000 | 7.3 | 23.9 | | | |

Deluxe Full Cycle Ratchet with Hex Crimping Tools

Your choice of seven similar crimp tools equipped with specific die sets to perform a wide variety of crimping functions to fit your needs.

| | | | | | |
|-------------|--|-------|-------|-------|------|
| HT301A | Deluxe Crimp Tool with .256", .213" and .068" Hex Die | 37.25 | 35.76 | 34.27 | CALL |
| HT301C | Deluxe Crimp Tool with .319", .256", .213" and .068" Hex Die | 46.58 | 44.71 | 42.85 | CALL |
| HT301G | Deluxe Crimp Tool with .255", .213", .137", .100", .069" .043" Hex Die | 43.47 | 41.73 | 39.99 | CALL |
| HT301J | Deluxe Crimp Tool with .178", .151", .128", .078", .068" .042" Hex Die | 43.47 | 41.73 | 39.99 | CALL |
| HT230A | Deluxe Crimp Tool with .255", .213", .187" and .068" Hex Die | 41.40 | 39.74 | 38.08 | CALL |
| HT-CRIMP02 | Deluxe Crimp Tool with .028", .039", .047", .100", .128" and .151" Hex Die | 28.96 | 27.80 | 26.64 | CALL |
| HT-CRIMP03 | Deluxe Crimp Tool with .100", .128" and .429" Hex Die | 41.40 | 39.74 | 38.08 | CALL |
| HT-CRIMP04 | Deluxe Crimp Tool with .068", .213", .256" and .324" Hex Die | 28.96 | 27.80 | 26.64 | CALL |
| HT-CRIMP600 | Deluxe Crimp Tool with .610" Hex Die | 35.18 | 33.77 | 32.36 | CALL |

Deluxe Full Cycle Ratchet Crimp Tool Kit

Housed in rugged, high impact cases these handy deluxe ratchet crimp and strip tool kits can satisfy most coaxial crimping needs. These kits include ratchet tool, interchangeable dies, cable cutter and rotary cable stripper. See L-com.com for complete kit contents.

| | | | | | |
|-----------|--|--------|--------|--------|------|
| HT330K | Deluxe Crimp Tool Kit, for use with RG Type Cable | 165.74 | 159.11 | 152.48 | CALL |
| HT-KIT-01 | Deluxe Crimp Tool Kit, for use with Low-Loss and RG Type Cable | 105.68 | 101.45 | 97.23 | CALL |

Rotary Coaxial Cable Strippers for 400/600 Series

Quickly and accurately cut and trim the coaxial jacket, shield and inner insulation in two easy steps. Just insert the un-stripped end of the coax cable into the tool, spin clockwise 4 or 5 times, then insert into other end of tool, spin clockwise 4 or 5 times again and pull off the unwanted portion.

| | | | | | |
|---------------|--|-------|-------|-------|------|
| HT-STRIP400-1 | Coax Cable Stripper for 400-Series Cable | 64.19 | 61.62 | 59.06 | CALL |
| HT-STRIP600-1 | Coax Cable Stripper for 600-Series Cable | 70.41 | 67.59 | 64.78 | CALL |
| HT-STRIP-B1 | Replacement Blades for HT-STRIP400-1/HT-STRIP600-1 | 9.27 | 8.90 | 8.53 | CALL |

Many more connector and adapter options available. Go to L-com.com



BA016

BA035

BA036



BA038

BA039



BAC024

BAC026

BAC030

BAC031

BAC032

BAC042

BAC027(A)

BAC028

BAC029



BAC033

BAC543



BAC706

BAC985



BAC836

BAC516



BAC908

BAC550

BAC529

BAC530



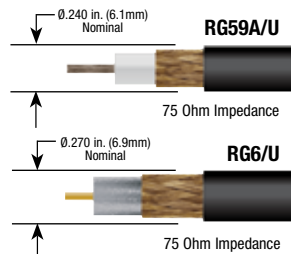
BAC-CFS59U

BAC-EX6

BAC-EX59

AFM-1700

BAC520



0.240 in. (6.1mm)
Nominal

RG59A/U

75 Ohm Impedance

0.270 in. (6.9mm)
Nominal

RG6/U

75 Ohm Impedance



HT301A



HT330K



HT-STRIP400-1



| Item # | Description | 1-9 | 10-24 | 25-99 | 100+ |
|---|---|-------|-------|-------|------|
| Mini DIN Feed-thru Adapters - Panel and Wall Plate Mountable | | | | | |
| These exclusive adapters offer a unique design suitable for panel mounting Mini DIN adapters. Female-Female gender. | | | | | |
| MD44FF | Mini DIN 4 Feed-Thru Adapter, Female/Female | 9.57 | 8.81 | 8.04 | CALL |
| MD44FJF | Mini DIN 4 Bulkhead Jack/Leads, Front Mount | 10.67 | 9.82 | 8.97 | CALL |
| MD44FJR | Mini DIN 4 Bulkhead Jack/Leads, Rear Mount | 10.67 | 9.82 | 8.97 | CALL |

Type F Within Series Adapters - 75 Ohm

| | | | | | |
|--------|--|------|------|------|------|
| BA122 | Coaxial Adapter, Type F Male/Male | 2.23 | 2.09 | 1.96 | CALL |
| BA123 | Coaxial Adapter, Type F Female/Male, Right Angle | 2.23 | 2.09 | 1.96 | CALL |
| BA124 | Coaxial Adapter, Type F Male Push-on/Female | 1.40 | 1.31 | 1.23 | CALL |
| BA330A | Coaxial Bulkhead Adapter, Type F Female/Female, (.5/1.3cm D-Hole), Insulated | 2.23 | 2.09 | 1.96 | CALL |

RCA Female Feed-Thru Adapter - with Red, Green, Blue, Yellow or White Insulators

These RCA feed-thru adapters feature insulators color coded for both video and audio applications. This color coding assists in component hookup to avoid improper connections.

| | | | | | |
|--------|---|------|------|------|------|
| BA400R | Coaxial Adapter, RCA Bulkhead Female/Female, Red Insulator | 4.09 | 3.85 | 3.60 | CALL |
| BA400B | Coaxial Adapter, RCA Bulkhead Female/Female, Blue Insulator | 4.09 | 3.85 | 3.60 | CALL |
| BA400Y | Coaxial Adapter, RCA Bulkhead Female/Female, Yellow Insulator | 4.09 | 3.85 | 3.60 | CALL |
| BA400 | Coaxial Adapter, RCA Bulkhead Female/Female, White Insulator | 4.09 | 3.85 | 3.60 | CALL |
| BA400A | Coaxial Adapter, RCA Bulkhead Female/Female, 0.5" (1.3cm) Circular Hole | 4.09 | 3.85 | 3.60 | CALL |

RCA Interseries Coaxial Adapter/75 Ohm

| | | | | | |
|-------|---|------|------|------|------|
| BA907 | Coaxial Adapter, RCA Male/Type F Female | 2.23 | 2.09 | 1.96 | CALL |
|-------|---|------|------|------|------|

3.5mm Audio Bulkhead Coupler

L-com's 3.5mm audio bulkhead coupler offers a practical and economical way to feed audio cables through panels, wall plates and enclosures. The .50" D-hole design and lock washer ensure a secure fit. This versatile coupler is also available pre-mounted on L-com's USP2-35MM and USP4-35MM two port and four port Universal Sub Panels.

| | | | | | |
|--------|------------------------------|------|------|------|------|
| BA35FF | 3.5mm Audio Bulkhead Coupler | 8.45 | 7.77 | 7.09 | CALL |
|--------|------------------------------|------|------|------|------|

Right Angle RCA and TS 1/4" Male/Female Adapters

L-com's low profile right angle audio adapters are perfect for tight fit applications. Two options are available, RCA and TS 1/4", allowing cables and connectors to fit in small spaces. These adapters are male to female and can be attached at any angle to allow for any 360 degree option. Durable molded design can take punishment in the field and gold plated contacts provide optimum performance.

| | | | | | |
|------------|--|------|------|------|------|
| RA-RCAMF | RCA Right Angle Adapter, Male/Female | 3.99 | 3.67 | 3.35 | CALL |
| RA-14M214F | TS 1/4" Right Angle Adapter, Male/Female | 5.65 | 5.20 | 4.74 | CALL |

Adapters and Gender Changers

It's often necessary to connect between different interface types or to change the gender of an interface to allow attachment of extension cables. We offer a wide variety of adapters and gender changers covering commonly used interfaces such as HD15, Mini DIN 5 and 6, DB9, DVI and HDMI.

HD15 Slimline Gender Changer/Adapters - Fully Populated

| | | | | | |
|----------|---|------|------|------|------|
| DGBH15F | Slimline Gender Changer, HD15 Female/Female | 8.24 | 7.41 | 6.59 | CALL |
| DGBH15M | Slimline Gender Changer, HD15 Male/Male | 8.24 | 7.41 | 6.59 | CALL |
| DGBH15MF | Slimline Socket Saver, HD15 Male/Female | 8.24 | 7.41 | 6.59 | CALL |

Slimline Gender Changer/Adapters - with Pin 9 Missing to Interface VGA Monitors

| | | | | | |
|----------|---|------|------|------|------|
| DGBV15F | Slimline Gender Changer, HD15 Female/Female, No Pin 9 | 8.65 | 7.79 | 6.92 | CALL |
| DGBV15M | Slimline Gender Changer, HD15 Male/Male, No Pin 9 | 8.65 | 7.79 | 6.92 | CALL |
| DGBV15MF | Slimline Socket Saver, HD15 Male/Female, No Pin 9 | 8.65 | 7.79 | 6.92 | CALL |

HD15 Low Profile Right Angle Adapters - Molded and Fully Shielded

Connecting cables in tight spaces can be a problem in many applications. These low profile adapters solve this problem by allowing cables to be connected at a 90 degree angle. Two versions are available to allow cables to exit in opposite directions. Adapters are male to female, fully shielded and are overmolded with Gray PVC. Mating hardware is reversible allowing for use in virtually any application.

| | | | | | |
|------------|---|------|------|------|------|
| DG90H15MF1 | Low Profile Right Angle Adapter, HD15 Male/Female, Cable Exit 1 | 9.23 | 8.68 | 8.12 | CALL |
| DG90H15MF2 | Low Profile Right Angle Adapter, HD15 Male/Female, Cable Exit 2 | 9.23 | 8.68 | 8.12 | CALL |

DVI Dust Covers - Male and Female

L-com's DVI dust covers protect unused DVI connectors on cable assemblies and DVI receptacles on DVI equipment including DVI KVM switches, DVI Extenders, DVI splitters, and more. We offer both male and female DVI dust covers in packages of 10.

| | | | | | |
|----------|--------------------------------|------|------|------|------|
| CVRDVI-M | DVI Dust Cover, Male, Pkg/10 | 6.37 | 6.12 | 5.86 | CALL |
| CVRDVI-F | DVI Dust Cover, Female, Pkg/10 | 6.37 | 6.12 | 5.86 | CALL |

HDMI® Dust Covers - Male and Female

L-com's HDMI dust covers protect unused HDMI connectors on cable assemblies and HDMI receptacles on HDMI equipment including HDMI hubs, HDMI Extenders, HDMI splitters, and more. We offer both male and female HDMI dust covers in packages of 10.

| | | | | | |
|---------|---------------------------------|------|------|------|------|
| CVRHD-M | HDMI Dust Cover, Male, Pkg/10 | 6.37 | 6.12 | 5.86 | CALL |
| CVRHD-F | HDMI Dust Cover, Female, Pkg/10 | 6.37 | 6.12 | 5.86 | CALL |

| Item # | Description | 1-9 | 10-24 | 25-99 | 100+ |
|--|--------------------------------------|-------|-------|-------|------|
| DVI Digital Video Molded Adapters | | | | | |
| These fully molded adapters provide transition from DVI to VGA (HD15) interfaces. Compact in size these adapters are very useful in dealing with difficult interconnection problems. | | | | | |
| DMB601MF | DVI Adapter, DVI-A Male/HD15 Female | 9.64 | 8.87 | 8.09 | CALL |
| DMB602FM | DVI Adapter, DVI-A Female/HD15 Male | 10.35 | 9.52 | 8.70 | CALL |
| DMB603MF | DVI Adapter, DVI-D Male/DVI-I Female | 17.10 | 15.73 | 14.36 | CALL |

DVI Female to Female Feed-thru Bulkhead Adapter

This fully populated DVI female bulkhead adapter is compatible with DVI-I Single/Dual Link, DVI-D Single/Dual Link and DVI-A male connectors and is bulkhead mountable to allow coupling of two DVI cables through a bulkhead.

| | | | | | |
|----------|-------------------------------------|-------|-------|-------|------|
| DMB605FF | DVI Bulkhead Adapter, Female/Female | 15.75 | 14.18 | 12.60 | CALL |
|----------|-------------------------------------|-------|-------|-------|------|

DVI (Digital Video Interface) to HDMI® (High Definition Multimedia Interface) Adapters

This series of adapters utilizes two of the most commonly used digital video interfaces of DVI and HDMI. Offered in various gender combinations to address multiple interface conversion applications. Fully molded and compact in size for durability and usefulness in tight fit situations.

| | | | | | |
|---------|---|------|------|------|------|
| DVIHDMF | Digital Video Adapter, DVI-D Dual Link Male/HDMI Female (Panel Mount) | 9.90 | 9.10 | 8.31 | CALL |
| DVIHDF | Digital Video Adapter, DVI-D Dual Link Female/HDMI Female | 9.90 | 9.10 | 8.31 | CALL |
| DVIHDM | Digital Video Adapter, DVI-D Dual Link Male/HDMI Male | 9.90 | 9.10 | 8.31 | CALL |
| DVIHDFM | Digital Video Adapter, DVI-D Dual Link Female/HDMI Male | 9.90 | 9.10 | 8.31 | CALL |

HDMI® Keystone Style Couplers

L-com's HDMI keystone couplers can be easily installed into panels, wall plate openings and enclosures. Two color options, black and white.

| | | | | | |
|----------|-------------------------------|-------|------|------|------|
| HDKEY-BK | HDMI Feed-Thru Adapter, Black | 10.31 | 9.49 | 8.66 | CALL |
| HDKEY-WT | HDMI Feed-Thru Adapter, White | 10.31 | 9.49 | 8.66 | CALL |

HDMI® (High Definition Multimedia Interface) Adapters

This series of HDMI adapters is offered in male-female, female-female and male-male gender configurations covering your HDMI connection applications from gender changing to panel mount feed-thrus. All adapters are fully molded and compact in size for durability and usefulness in tight fit situations.

| | | | | | |
|------|-----------------------------|-------|-------|-------|------|
| HDFM | HDMI Adapter, Female/Male | 12.38 | 11.39 | 10.40 | CALL |
| HDF | HDMI Adapter, Female/Female | 11.61 | 10.68 | 9.75 | CALL |
| AHDM | HDMI Adapter, Male/Male | 9.01 | 8.11 | 7.21 | CALL |

HDMI® Swivel Adapter

L-com offers this male to female HDMI swivel adapter to address applications where space is confined or access is prohibitive. This versatile HDMI swivel adapter can be used with any HDMI compliant cable assembly or HDMI ports on devices including HD TVs and HDMI hubs.

| | | | | | |
|---------|--|-------|-------|------|------|
| HDFM-SW | HDMI Swivel Adapter, HDMI Female/HDMI Male | 10.83 | 10.18 | 9.53 | CALL |
|---------|--|-------|-------|------|------|

Standard HDMI® Female to Micro HDMI® Male Adapter

When updating equipment, old cables typically become worthless and need to be replaced. As newer mobile devices switch to compact, Micro HDMI connectors, this adapter allows an existing standard HDMI cable to be used with this new equipment. This adapter presents a quick and easy solution that is more economical than purchasing a new cable.

| | | | | | |
|----------|--|------|------|------|------|
| VAD001FM | Standard HDMI Female/Micro HDMI Male Adapter | 8.95 | 8.59 | 8.23 | CALL |
|----------|--|------|------|------|------|

DisplayPort Female to Mini DisplayPort Male Adapter

L-com's DisplayPort to Mini DisplayPort adapter provides a simple way to modify an existing DisplayPort cable for use with a mobile device utilizing the more compact Mini DisplayPort interface. This adaptor is a more economical option than purchasing a new cable, and allows the option of switching back to the standard DisplayPort interface by simply removing it.

| | | | | | |
|----------|--|-------|-------|------|------|
| VAD010FM | DisplayPort to Mini DisplayPort, Female/Male | 10.95 | 10.29 | 9.64 | CALL |
|----------|--|-------|-------|------|------|

DisplayPort Panel Mount Adapter (Female DP to Female DP)

L-com's DP-FF is a versatile panel mount DisplayPort feed-thru adapter that makes connecting DisplayPort cables through a panel or enclosure a snap. This DisplayPort adapter features two removable 4-40 jackscrews for easy panel mounting.

| | | | | | |
|-------|--|-------|-------|-------|------|
| DP-FF | DisplayPort Panel Mount Adapter, Female/Female | 15.53 | 15.22 | 14.91 | CALL |
|-------|--|-------|-------|-------|------|

DisplayPort to HDMI® Adapter

| | | | | | |
|------------|---|-------|-------|-------|------|
| DP-HD-ADPT | DisplayPort to HDMI Adapter, HDMI Female/DisplayPort Male | 15.53 | 15.22 | 14.91 | CALL |
|------------|---|-------|-------|-------|------|

DisplayPort to DVI Adapter

| | | | | | |
|-------------|---|-------|-------|-------|------|
| DP-DVI-ADPT | DisplayPort to DVI Adapter, DVI Female/DisplayPort Male | 15.53 | 15.22 | 14.91 | CALL |
|-------------|---|-------|-------|-------|------|

DisplayPort Adapter Cables

| | | | | | |
|-------------|---|-------|-------|-------|------|
| DP-HD-CBL | DisplayPort to HDMI Adapter Cable, HDMI Female/DisplayPort Male, 7.25" (18.4cm) | 28.81 | 28.23 | 27.65 | CALL |
| DP-DVI-CBL | DisplayPort to DVI Adapter Cable, DVI Female/DisplayPort Male, 7.25" (18.4cm) | 28.81 | 28.23 | 27.65 | CALL |
| DP-SVGA-CBL | DisplayPort to SVGA Adapter Cable, SVGA Female/DisplayPort Male, 8.45" (21.5cm) | 31.97 | 31.33 | 30.69 | CALL |

HDMI® Dongle Cables

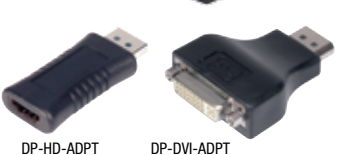
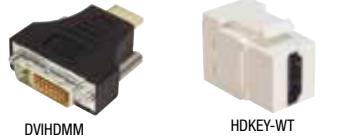
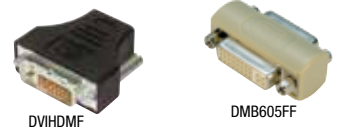
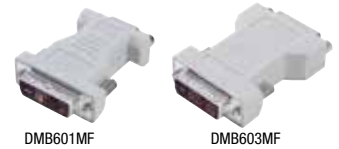
These HDMI dongles can be used with any HDMI compliant cable assembly or HDMI ports on devices including HD TVs, HDMI hubs, HDMI enabled A/V equipment and more

| | | | | | |
|-------------|--|------|------|------|------|
| HDHCK950PBB | HDMI to DVI Dongle | 5.00 | 4.70 | 4.40 | CALL |
| HDAFDM | HDMI A Female to HDMI D Male Dongle | 7.25 | 7.03 | 6.81 | CALL |
| HDAFCM | HDMI A Female to HDMI C Male Dongle | 5.90 | 5.72 | 5.55 | CALL |
| HDRAMF | HDMI A Right Angle Male to HDMI A Female Dongle Cable | 5.25 | 5.09 | 4.93 | CALL |
| HDAFLOC | HDMI A Male with locking screw to HDMI Female Dongle Cable | 4.90 | 4.75 | 4.61 | CALL |

HDMI® to Displayport Dongle Cable

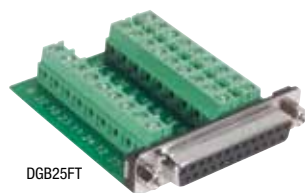
These plug and play DisplayPort to HDMI adapters are perfect for upgrading to the newer digital DisplayPort A/V technology. Simply plug in the DisplayPort connector to a PC or Laptop and the other end into an HDMI enabled display/monitor and you are up and running.

| | | | | | |
|-------------|--------------------------------------|-------|-------|------|------|
| HD-DPI-MM-8 | HDMI Male to Displayport Male Dongle | 11.00 | 10.12 | 9.24 | CALL |
|-------------|--------------------------------------|-------|-------|------|------|

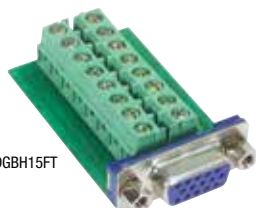


Field Installation Products

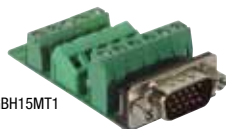
Often times the use of finished cable assemblies is simply not possible due to space limitations of an existing installation. In these cases, L-com's offering of field friendly products are the perfect solution. Our terminal block connectors allow termination of data, audio, and video lines without the use of any special tools. These products were designed to address existing infrastructure applications where space is limited and running new cable is not an option.



DGB25FT



DGBH15FT



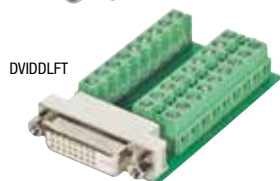
DGBH15MT1



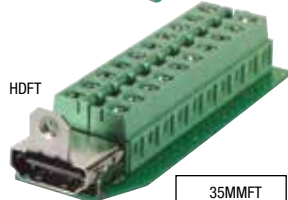
DGS9FT



MD44FT



DVDDLFT



HDFT

35MMFT

35MMFT
Top View

| Item # | Description | 1-9 | 10-24 | 25-99 | 100+ |
|--------|-------------|-----|-------|-------|------|
|--------|-------------|-----|-------|-------|------|

DB9, DB15, DB25 or HD15 Connectors for Field Termination - Panel Mountable, Male or Female

These field termination connectors provide an easy and convenient way to perform field termination of any DB9, DB15, DB25 or HD15 cable. Separate connection points are provided for all positions of the connector plus the ground. Terminal block design with set screws provides reliable electrical connections without special tools. The terminal block area is clearly marked making proper termination virtually foolproof. Panel mountable for thickness up to 0.062" (0.2cm). Please note the orientation of the terminal blocks on the new male connectors.

| | | | | | |
|-----------|--|-------|-------|-------|------|
| DGB9FT | DB9 Female Connector for Field Termination | 9.01 | 8.47 | 7.93 | CALL |
| DGB15FT | DB15 Female Connector for Field Termination | 10.62 | 9.98 | 9.35 | CALL |
| DGB25FT | DB25 Female Connector for Field Termination | 13.06 | 12.27 | 11.49 | CALL |
| DGBH15FT | SVGA HD15 Female Connector for Field Termination | 11.42 | 10.74 | 10.05 | CALL |
| DGB9MT1 | DB9 Male Connector for Field Termination | 9.01 | 8.47 | 7.93 | CALL |
| DGB15MT1 | DB15 Male Connector for Field Termination | 10.62 | 9.98 | 9.35 | CALL |
| DGB25MT1 | DB25 Male Connector for Field Termination | 13.06 | 12.27 | 11.49 | CALL |
| DGBH15MT1 | SVGA HD15 Male Connector for Field Termination | 10.88 | 10.23 | 9.57 | CALL |

DB9, DB15, DB25 or HD15 Female Connectors for Field Termination with Screwless Terminal Block

These field termination female connectors provide an easy and convenient way to perform field termination of any cable. Separate connection points are provided for all positions of the connector plus the ground. Screwless terminal block design with spring clamp provides reliable electrical connections utilizing no special tools. Simply depress the spring clamp, insert wire, release and the wire is secure. The terminal block area is clearly marked making proper termination virtually foolproof. Panel mountable for thickness up to 0.062" (0.2cm).

| | | | | | |
|----------|---|-------|-------|-------|------|
| DGS9FT | DB9 Female Connector for Field Termination | 9.53 | 8.96 | 8.39 | CALL |
| DGS15FT | DB15 Female Connector for Field Termination | 11.19 | 10.52 | 9.85 | CALL |
| DGS25FT | DB25 Female Connector for Field Termination | 13.89 | 13.05 | 12.22 | CALL |
| DGSH15FT | HD15 Female Connector for Field Termination | 11.45 | 10.76 | 10.08 | CALL |

Mini DIN 4-S-Video Jack for Field Termination

The MD44FT field termination Mini DIN 4 female jack offers a quick and easy field termination using common tools. Terminal blocks with set screws ensure reliable electrical connections. The terminal block area is clearly marked making field termination virtually foolproof. This unit is designed to fit common .5" (1.3cm) circular or D-style openings. The undercut PCB area provides a convenient area to secure a cable tie wrap resulting in a neat dressing for the terminated cable. Custom configurations will be considered with modest minimums.

| | | | | | |
|--------|--|------|------|------|------|
| MD44FT | Mini DIN 4 Female Field Termination Jack | 7.93 | 7.29 | 6.66 | CALL |
|--------|--|------|------|------|------|

DVI-D Dual Link Field Termination Connector, Female

The DVDDLFT field termination connector provides an easy and convenient way to perform field termination of any DVI-D Dual Link cable. Separate connection points are provided for all 24 positions of the connector. The terminal block design with set screws provides reliable electrical connections utilizing no special tools. Additionally the terminal block area is clearly marked making proper termination virtually foolproof.

| | | | | | |
|---------|---|-------|-------|-------|------|
| DVDDLFT | DVI-D Dual Link Field Termination Connector, Female | 15.18 | 14.27 | 13.36 | CALL |
|---------|---|-------|-------|-------|------|

Field Termination Connector for HDMI® Applications, Female

The HDFT is the perfect solution for quickly adding an HDMI port for A/V infrastructure additions or repairs. This easy to install connector utilizes handy screw terminals which are clearly numbered for ease of installation. 30µ gold plated contacts provide excellent signal integrity.

| | | | | | |
|------|--|-------|-------|------|------|
| HDFT | HDMI Field Termination Connector, Female | 10.83 | 10.18 | 9.53 | CALL |
|------|--|-------|-------|------|------|

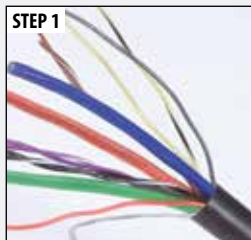
3.5mm Field Termination Connector, Female

L-com's 35MMFT is the perfect solution for quickly adding a 3.5mm audio port. This easy to install 3.5mm field termination connector utilizes handy screw terminals which are clearly marked for ease of installation.

| | | | | | |
|--------|---|------|------|------|------|
| 35MMFT | 3.5mm Field Termination Connector, Female | 4.35 | 4.26 | 4.18 | CALL |
|--------|---|------|------|------|------|

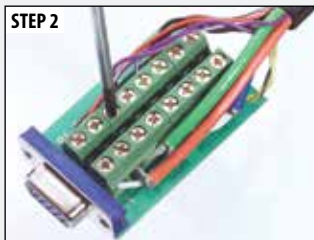
Tip How to perform a field installation of a DGBH15FT HD15 (SVGA) jack

STEP 1



Prepare bulk cable by exposing coax and conductor lines as shown.

STEP 2



Insert coax center conductor and shield as well as conductors into appropriate terminal slot as indicated in the supplied wiring diagram. Tighten the setscrews.

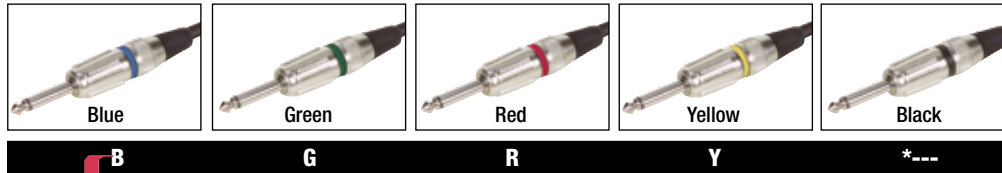
STEP 3



Attach the completed assembly to the mounting surface.

Pro Audio 1/4" (0.6cm) to 1/4" (0.6cm) Male TS Cable Assemblies

L-com offers an extensive line of TS (Tip and Sleeve) 1/4" (0.6cm) audio cables for use in professional audio applications including instrument connections and audio patching. Our quality constructed TS cables feature 22 AWG cable and are offered with myriad color choices to help in identifying attached equipment. Contact us today with your custom length and connector requirements.



Ordering is easy, add desired color code to part number. Ex: CA14214B-1. *Note: No suffix necessary for Black assemblies.

| Item # | Description | 1-9 | 10-24 | 25-99 | 100+ |
|--|---|-------|-------|-------|------|
| 1/4" (0.6cm) Male to Male TS Pro Audio Cable Assemblies with Colored ID Bands | | | | | |
| CA14214 -1 | TS Pro Audio Cable, 1/4" (0.6cm) Male/Male, 1.0ft (0.3m) | 8.07 | 7.43 | 6.78 | - |
| CA14214 -3 | TS Pro Audio Cable, 1/4" (0.6cm) Male/Male, 3.0ft (0.9m) | 10.04 | 9.24 | 8.43 | - |
| CA14214 -6 | TS Pro Audio Cable, 1/4" (0.6cm) Male/Male, 6.0ft (1.8m) | 13.05 | 12.00 | 10.96 | - |
| CA14214 -10 | TS Pro Audio Cable, 1/4" (0.6cm) Male/Male, 10.0ft (3.0m) | 17.09 | 15.72 | 14.35 | - |
| CA14214 -15 | TS Pro Audio Cable, 1/4" (0.6cm) Male/Male, 15.0ft (4.6m) | 23.10 | 21.25 | 19.40 | - |
| CA14214 -20 | TS Pro Audio Cable, 1/4" (0.6cm) Male/Male, 20.0ft (6.1m) | 28.17 | 25.92 | 23.67 | - |
| CA14214 -25 | TS Pro Audio Cable, 1/4" (0.6cm) Male/Male, 25.0ft (7.6m) | 33.25 | 30.59 | 27.93 | - |

| Item # | Description | List Price |
|--|---|------------|
| Male TS 1/4" (0.6cm) Connector - Colored ID Bands | | |
| CON-TS14-BLK | TS 1/4" (0.6cm) Connector, Male, Black ID Band | 3.42 |
| CON-TS14-YEL | TS 1/4" (0.6cm) Connector, Male, Yellow ID Band | 3.42 |
| CON-TS14-GRN | TS 1/4" (0.6cm) Connector, Male, Green ID Band | 3.42 |
| CON-TS14-RA | TS 1/4" (0.6cm) Connector, Right Angle Male | 2.95 |

XLR 3 Pin Connectors

L-com stocks high quality XLR connectors for all your XLR audio cable repair/termination needs. We offer male, female, and right angle male XLR connectors off the shelf.

| | | |
|-------------|---------------------------------------|------|
| CON-XLR-M | 3 Pin XLR Connector, Male | 2.95 |
| CON-XLR-F | 3 Pin XLR Connector, Female | 3.21 |
| CON-XLR-MRA | 3 Pin XLR Connector, Right Angle Male | 5.23 |

| Item # | Description | 1-9 | 10-24 | 25-99 | 100+ |
|--------|-------------|-----|-------|-------|------|
|--------|-------------|-----|-------|-------|------|

Pro Audio XLR Cable Assemblies

L-com offers a series of 3 pin XLR audio cables for use in professional audio applications including microphone patching. Our quality constructed XLR cables feature 24 AWG cable to ensure the highest quality audio experience.

XLR 3 Pin Balanced Male to Female Pro Audio Cable Assemblies

| | | | | | |
|--------------|--|-------|------|-------|---|
| CAXLR2XLR-1 | XLR 3 Pin Male/Female Pro Audio Cable, 1.0ft (0.3m) | 9.11 | CALL | 7.65 | - |
| CAXLR2XLR-3 | XLR 3 Pin Male/Female Pro Audio Cable, 3.0ft (0.9m) | 12.11 | CALL | 10.18 | - |
| CAXLR2XLR-6 | XLR 3 Pin Male/Female Pro Audio Cable, 6.0ft (1.8m) | 17.61 | CALL | 14.79 | - |
| CAXLR2XLR-10 | XLR 3 Pin Male/Female Pro Audio Cable, 10.0ft (3.0m) | 24.44 | CALL | 20.53 | - |
| CAXLR2XLR-15 | XLR 3 Pin Male/Female Pro Audio Cable, 15.0ft (4.6m) | 33.25 | CALL | 27.93 | - |
| CAXLR2XLR-20 | XLR 3 Pin Male/Female Pro Audio Cable, 20.0ft (6.1m) | 41.33 | CALL | 34.72 | - |
| CAXLR2XLR-25 | XLR 3 Pin Male/Female Pro Audio Cable, 25.0ft (7.6m) | 49.42 | CALL | 41.51 | - |

XLR 3 Pin Panel Mount Connectors (Solder Type)

L-com stocks both male and female 3 pin XLR connectors to address all your pro audio needs. These solder style connectors are in stock and ready for same day shipping. Each connector features gold plating to ensure a high quality audio experience.

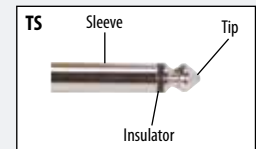
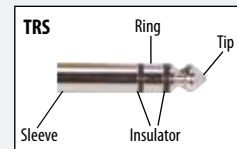
| | | | | | |
|-----------|------------------------------------|------|------|------|------|
| CON-XLR3M | XLR 3 Pin Solder Connector, Male | 4.51 | CALL | 3.97 | CALL |
| CON-XLR3F | XLR 3 Pin Solder Connector, Female | 4.51 | CALL | 3.97 | CALL |

**Tip** *Balanced Audio vs. Unbalanced Audio*

Balanced Audio uses impedance balanced lines to interconnect audio equipment. Balanced connections use three conductor connectors. Most common in professional settings is the XLR connector. It is also sometimes referred to as a "cannon plug" or "cannon connector". Also used for this application are TRS Plugs. They derive their name from the different functions of the sections of the plug. Tip, Ring and Sleeve. (see diagram). They are also often referred to as .25" (6.3mm) 3 channel audio phone plugs. Their appearance is similar to the .25" (6.3mm) stereo plugs used for headphones, even though the two different applications utilize them differently. The durable construction of the XLR makes it ideal for microphones. Most, if not all, high end microphones make use of this interface. In contrast the TRS smaller form factor makes it ideal for mixer inputs/outputs allowing for greater port density.

Balanced Audio Connectors are typically Low Impedance Interfaces. By connecting the balanced lines to identical impedances at both source and load, it allows any differential amplifier to filter out any EMI (Electro-Magnetic-Interference) that the cable may have picked up or generated along the two signal lines.

Unbalanced Audio in contrast uses a two conductor system whereby the shield must carry the return signal. Often used for this application are TS Plugs. Similar in appearance to their TRS siblings, these plugs derive their name similarly. Tip and Sleeve. (see diagram). Noise that is induced onto an Unbalanced line will typically be modulated onto the signal being carried, whereas Balanced lines would not experience this issue. Ground loops are another issue to contend with Unbalanced lines. Unbalanced Audio Connectors are typically high impedance interfaces. Unbalanced Audio is typical for most home audio equipment. Unbalanced Signals can be converted to Balanced signals by the use of a Balun (**Balanced/Unbalanced**) adapter typically run through a DI (Direct Input) box.





| Item # | Description | List Price |
|---|--|------------|
| L-com HDMI® Splitter 1 x 2 - 3D Ready, HDCP Compliant | | |
| Easily split your HDMI signal with L-com's 3D ready HDMI splitters. These plug and play HDMI splitters set up in seconds and are perfect for home or professional use. Features include HDCP compliant hardware, 1080/60p resolutions and 3D support. | | |
| HD-SP-102 | L-com HDMI Splitter, 1x2, 3D Ready, HDCP Compliant | 93.21 |

Tripplite HDMI® Splitter 1 x 4 – 3D Ready, HDCP Compliant

The Tripplite 4 Port HDMI Splitter provides a simple solution to transmit from a source up to 4 displays. The splitter can be located 13 feet (4m) away from the source, and the display 16 feet (5m) from the splitter. There is no software to set up, and this display will support 1080p, 1920x1200 resolutions. **As an authorized Tripplite reseller, we can bid on RFQs for any Tripplite parts. Contact us to request a non-obligatory quote.**

| | | |
|-------------|--|--------|
| TL-B118-004 | Tripplite 4-Port HDMI Splitter for Video & Audio 1080p | 143.00 |
|-------------|--|--------|

L-com HDMI® Switches 2 x 1 or 4 x 1 - 3D Ready, HDCP Compliant

Easily switch your HDMI signal with L-com's 3D ready HDMI switches. These plug and play HDMI switches set up in seconds and are perfect for home or professional use. Features include HDCP compliant hardware, 1080/24p resolutions and 3D support.

| | | |
|-----------|--|-------|
| HD-SW-201 | L-com HDMI Switch, 2x1, 3D Ready, HDCP Compliant | 68.34 |
| HD-SW-401 | L-com HDMI Switch, 4x1, 3D Ready, HDCP Compliant | 96.31 |

L-com HDMI® Active Extender (TX & RX Units) Extends your Video over Cat5e (or Better) Cabling up to 150 feet (45.7m) HDCP Compliant

L-com's HD-EXT-HSL HDMI extender extends HDMI signal over 24 AWG solid Cat5e (or better) cabling up to 150 feet (45.7m). This active HDMI extender features a TX and RX unit distance up to 150 feet (45.7m) at Blu-ray 1080/60p. Features include HDCP support, adjustable 8-level EQ control and 7.1-channel surround sound audio.

| | | |
|------------|--|--------|
| HD-EXT-HSL | L-com Active HDMI over UTP Extender, 150ft (45.7m) | 186.46 |
|------------|--|--------|

Tripplite DVI Splitter with 3.5mm Audio 1 x 2 and 1 x 4 (Max Resolution 1920 x 1200)

Tripplite's 2 and 4 port DVI and 3.5mm Audio Splitters provide an easy way to add additional displays and sound to your display source. A built in signal booster provides an additional 16 feet (5m) of distance between the splitter and the display, and will also allow 3 levels of splitters to be cascaded, allowing for a large number of monitors to be connected. **As an authorized Tripplite reseller, we can bid on RFQs for any Tripplite parts. Contact us to request a non-obligatory quote.**

| | | |
|--------------|---|--------|
| TL-B116-002A | Tripplite 2-Port DVI Splitter with 3.5mm Audio (Max Resolution 1920 X 1200) | 113.98 |
| TL-B116-004A | Tripplite 4-Port DVI Splitter with 3.5mm Audio (Max Resolution 1920 X 1200) | 205.17 |

DVI-D Single Link UTP Extender

This simple extender will provide up to 100 feet (1024x768) or 50 feet (1920x1080) of additional distance for a DVI-D Single Link connection via Category 5e UTP cable or better. No external power is required, just connect the cables and the DVI connection is ready.

| | | |
|-------------|--------------------------------|-------|
| R05-EXT-DSS | UTP DVI-D Single Link Extender | 41.40 |
|-------------|--------------------------------|-------|

Tripplite DisplayPort Splitter 1 x 2 (Max Resolution 3840 x 2160)

The Tripplite 2 Port DisplayPort Splitter is a great tool for setting up a dual display for a source with only one video output. This splitter will allow you to either run it in clone/mirror mode, or to extend your desktop over both displays. The displays can be placed up to 25 feet away from the splitter, and the splitter up to 16 feet away from the source, although 6 feet is recommended for best performance. **As an authorized Tripplite reseller, we can bid on RFQs for any Tripplite parts. Contact us to request a non-obligatory quote.**

| | | |
|-------------|--|--------|
| TL-B156-002 | Tripplite 2-Port DisplayPort Splitter (Max Resolution 3840 x 2160) | 284.95 |
|-------------|--|--------|

L-com VGA Video Splitters 1 x 2 and 1 x 4 (Max Resolution 1920 x 1440)

L-com's LCVS series of VGA video splitters are perfect for distributing VGA video signals from one source to multiple displays. These plug and play video splitters can be installed in seconds and provide crisp, clear images. Perfect for Digital Signage and Pro A/V applications, these robust yet affordable VGA splitters feature rugged metal cases as well as external power supplies (included). Signal bandwidth to 350 MHz (2 and 4 port), (Max Resolution 1920 x 1440).

| | | |
|---------|--------------------------------|-------|
| LCVS-12 | L-com 1 x 2 VGA Video Splitter | 37.36 |
| LCVS-14 | L-com 1 x 4 VGA Video Splitter | 53.36 |

L-com VGA Splitter/Extender (TX & RX Units) Extends your Video over Cat5e (or Better) Cabling up to 150 Meters (492ft)

L-com's LCVX-VGA VGA Extender is perfect for Digital Signage and PRO A/V applications where the extension of analog computer video is necessary. The LCVX-VGA features both TX (Transmit) and RX (Receiver) units, each with its own power supply. The TX unit has an HD15F VGA in port that would connect to your video source with a standard VGA M/F cable. It also includes two local HD15F outputs to support two local monitors with standard VGA M/M cabling. Using Cat5e (or better) cabling you can also extend your video to the RX unit up to 150 meters (492ft) away, (24 AWG solid cabling recommended for runs over 100ft). The RX unit takes the video received over the Cat5e (or better) cabling and provides two HD15F outputs to support two monitors with standard VGA M/M cabling. The LCVX-VGA is capable of supporting resolutions of up to 1280x1024 at 150 meters (492ft).

| | | |
|----------|--|--------|
| LCVX-VGA | L-com UTP VGA Extender, TX and RX Unit | 103.57 |
|----------|--|--------|

| Item # | Description | List Price |
|--------|-------------|------------|
|--------|-------------|------------|

AdderLink AV100 Series Audio/Video Extenders

The AdderLink AV100 Series is a range of audio visual extenders delivering high video resolutions and superb quality audio up to 300m (1,000ft) using standard Cat5e (or better) cables. Designed for use in Digital Signage applications, the innovative design allows for flexible distribution that can grow in line with project developments and ensures direct delivery of crystal clear communication to consumers at the point of decision. The AdderLink AV Series avoids the prohibitive costs of fiber optic cabling, displays with built in CPUs or locating a CPU next to each screen. The AdderLink AV Series consists of 4 interchangeable units. **As an authorized Adder reseller, we can bid on RFQs for any Adder part numbers. Contact us to request a non-obligatory quote.**

| | | |
|-----------|--|--------|
| AV100T-US | Adder AV100 Series Extender Point to Point Transmitter | 194.29 |
| AV100R-US | Adder AV100 Series Extender Receiver, No Deskew, Outputs to 2 Displays | 244.10 |
| AV100P-US | Adder AV100 Series Extender Pair, Point to Point, No DeSkew, Outputs to 2 Displays | 393.58 |
| AV101R-US | Adder AV100 Series Extender Receiver with Deskew, Outputs to 2 Displays | 293.95 |
| AV102T-US | Adder AV100 Series Extender Point to Multipoint 2-Way Transmitter with Serial | 149.47 |
| AV104T-US | Adder AV100 Series Extender Point to Multipoint 4-Way Transmitter | 293.95 |

AdderLink AV200 Series Audio/Video Extenders

The AdderLink AV200 Series is a range of audio visual extenders delivering high video resolutions, superb quality audio and RS232 up to 300m (1,000ft) using standard Cat5e (or better) cables. The innovative design allows for flexible audio visual distribution, management, control and interaction with the display devices which can be expanded to grow in line with project developments. Consisting of 5 interchangeable units, the AdderLink AV200 Series makes the design of digital signage and narrow casting applications cost effective, flexible and easy to plan. **As an authorized Adder reseller, we can bid on RFQs for any Adder part numbers. Contact us to request a non-obligatory quote.**

| | | |
|-----------|--|--------|
| AV200P-US | Adder AV200 Series Extender Pair, Point to Point with Serial, No Deskew, Outputs to 2 Displays | 493.21 |
| AV200R-US | Adder AV200 Series Extender Receiver with Serial, No Deskew, Outputs to 2 Displays | 274.00 |
| AV200T-US | Adder AV200 Series Extender Point to Point Transmitter with Serial | 224.18 |
| AV201R-US | Adder AV200 Series Extender Receiver with Serial and Deskew, Outputs to 2 Displays | 393.58 |
| AV204T-US | Adder AV200 Series Extender Point to Multipoint 4-Way Transmitter with Serial | 523.10 |
| AV208T-US | Adder AV200 Series Extender Point to Multipoint 8-Way Transmitter with Serial | 622.74 |

AdderLink LPV150 Series Digital Signage Extenders

The AdderLink LPV has been designed to deliver stunning results at a really attractive price, making it the perfect introduction to professional digital signage. The AdderLink LPV Digital Signage Extender is possibly the easiest to install point to point extender available today. In addition to its simplicity the LPV Extender also delivers fantastic quality video up to 150 meters (500ft) away. The ALPV154T is able to take the same HD input and split it to 4 different screens connected via the ALPV150R receivers. There is a feed through port on the unit to allow a local display or you can cascade another ALAV154T so you can supply 8 screens. **As an authorized Adder reseller, we can bid on RFQs for any Adder part numbers. Contact us to request a non-obligatory quote.**

| | | |
|----------|--|--------|
| ALPV150P | Adder LPV150 Series Digital Signage Extender, USB and VGA | 244.11 |
| ALPV150R | Adder LPV150 Series Line Powered VGA Extender Receiver to 150 meters | 109.61 |
| ALPV154T | Adder LPV150 Series 4-Way Line Powered VGA Extender to 150 meters | 363.69 |

AdderLink X Series X-DVI PRO Extenders

The AdderLink X-DVI PRO allows users to distribute control of any computer which uses DVI video and USB. The X-DVIPRO can deliver perfect 1080p digital video at distances over 50 meters and resolutions up to 165 MPixels per second (e.g. 1920 x 1200 @ 60Hz or 3840 x 2400 @ 17Hz). **As an authorized Adder reseller, we can bid on RFQs for any Adder part numbers. Contact us to request a non-obligatory quote.**

| | | |
|-----------------|---|---------|
| X-DVIPRO-US | Adder Series DVI and 4-Port USB over a Single Cat5e (or better) Cable to 50 meters | 841.91 |
| X-DVIPRO-MS2-US | Adder Series Dual Head DVI, Audio and 4-Port USB over a Single Cat5e (or better) Cable to 50 meters | 1489.54 |

AdderLink X50 and X50-MS2 Series VGA/USB Extenders

The AdderLink X50 was designed for use in applications where computers need to have their USB peripherals including keyboards and mice, high quality video and audio control extended up to 50m (150ft) across Cat5e (or better) UTP cable. The AdderLink X50-MultiScreen adds a second video and transparent, high speed RS232 up to baud rates of 19200. The AdderLink X50 (MS2) series provides sharp, bright and ultra high-resolution video over a VGA interface(s) and ensures total USB compatibility regardless of the computer being controlled or the peripheral being extended. **As an authorized Adder reseller, we can bid on RFQs for any Adder part numbers. Contact us to request a non-obligatory quote.**

| | | |
|------------|--|--------|
| X50-US | AdderLink X50-US, USB/Video Extender | 572.90 |
| X50-MS2-US | AdderLink X50-MS2-US, USB/Multiscreen Video Extender | 841.91 |

AdderLink Infinity Network DVI Extenders

The AdderLink INFINITY demonstrates Adder's leading IP capability by delivering fluid interaction with computers as far away as your network can extend. AdderLink INFINITY allows you to build a flexible infrastructure, the likes of which have not been possible before. Locate computers anywhere you like, share connections to computers, watch the interactions others have with computers, share control, collaborate, switch computers and so on. The AdderLink INFINITY is also the first device of its kind to allow multicasting across your network. Adder's expertise in IP based KVM solutions also means that you get the very best video quality and fluid USB based interactions with your computer. Adder's own USB True Emulation technology has also been built into the AdderLink INFINITY, allowing you to connect all HID (Human Interface Devices) as well as storage devices and many other USB device types too. Optimized for both HID and Mass Storage devices, the AdderLink INFINITY uses USB 2.0 technology to deliver reliable and flexible device support. **As an authorized Adder reseller, we can bid on RFQs for any Adder part numbers. Contact us to request a non-obligatory quote.**

| | | |
|-----------|---|---------|
| ALIF1002T | Adderlink Infinity Network DVI Extender (Transmitter) | 1307.58 |
| ALIF1002R | Adderlink Infinity Network DVI Extender (Receiver) | 1307.58 |

Adderlink DisplayPort Digital KVM Extender

The AdderLink XD522-DP-PAIR-US allows you to transmit not only either two (1920 X 1200) or one (2560 X 1600) DisplayPort video streams, but also digital audio, analog audio, and high or low speed USB 2.0 over Category rated Ethernet cables. It has a maximum distance of 150m for one 1920 X 1080 display, or 100m for dual 1920 X 1200 or one 2560 X 1600 display. Due to the flexibility of this device, it can provide a solution for many different situations. **As an authorized Adder reseller, we can bid on RFQs for any Adder part numbers. Contact us to request a non-obligatory quote.**

| | | |
|------------------|--|---------|
| XD522-DP-PAIR-US | Adderlink DisplayPort Digital KVM Extender | 1716.90 |
|------------------|--|---------|



AV100T-US



AV200P-US



AV208T-US



ALPV150P



X-DVIPRO-MS2-US



X50-MS2-US



ALIF1002T



XD522-DP-PAIR-US

CS64US



CS84U



CS84U (Back view)

AV4PRO-VGA-US

AV4PRO-VGA-US
(Back view)

AVX1008-US

AVX1008-US (Back view)

X200A-R-US



X200A-R-US (Back view)

CCS-PR04



CCS-PR04 (Back view)

| Item # | Description | List Price |
|---|--|------------|
| ATEN USB KVM Switches with Audio and Integrated Octopus Cables, 2 and 4 Port | | |
| CS62U | Aten Integrated Cable 2-Port KVM Switch USB with Audio | 43.50 |
| CS64US | Aten Integrated Cable 4-Port KVM Switch USB with Audio | 75.62 |

ATEN PS/2-USB Desktop KVM Switches, 2 and 4 Port

The CS82U/CS84U PS/2-USB KVM Switch is a desktop control unit that allows users to access two or four computers from a single KVM console (PS/2 or USB keyboard and mouse, and VGA monitor). In addition, CS82U/CS84U comes with ATEN's new Video DynaSync™ technology, which eliminates boot-up display problems and optimizes resolution. **As an authorized ATEN reseller, we can bid on RFQs for any ATEN part numbers. Contact us to request a non-obligatory quote.**

| | | |
|-------|---|--------|
| CS82U | Aten Desktop 2-Port PS/2-USB KVM Switch | 78.00 |
| CS84U | Aten Desktop 4-Port PS/2-USB KVM Switch | 118.00 |

AdderView Pro VGA, DVI and DisplayPort 4 and 8 Port KVM Switches

The AdderView Pro series are professional grade KVM switches which deliver ultimate flexibility for users who wish to share a high resolution screen(s) and modern USB peripherals between multiple computers. The AV4PRO-VGA is designed to enable up to four computers to be controlled from a single high resolution KVM console using HD15 VGA cabling. The AV4PRO-DVI-xx group is designed to enable four to eight computers to be controlled from a single high resolution KVM console using dual link DVI cabling. The AV4PRO-DP is designed to enable up to four computers to be controlled from a single high resolution KVM console using the new DisplayPort cabling system. The switches makes use of Adder's True Emulation technology which enables USB HID devices to be continuously emulated to each computer. This unique technology enables instantaneous and reliable hotkey switching while also supporting the extra keys and features of enhanced keyboards and mice. Furthermore, the AdderView includes two independently switchable USB 2.0 channels and an audio channel, giving the user the flexibility to attach selected peripherals to different computers. **As an authorized Adder reseller, we can bid on RFQs for any Adder part numbers. Contact us to request a non-obligatory quote.**

| | | |
|-----------------|--|---------|
| AV4PRO-VGA-US | AdderView 4 Pro VGA Switch | 423.47 |
| AV4PRO-DVI | AdderView 4 Pro DVI 4-Port KVM Switch (4 PCs) | 493.21 |
| AV4PRO-DVI-DUAL | AdderView 4 Pro DVI 4-Port Dual Head KVM Switch (4 PCs) | 991.38 |
| AV4PRO-DVI-TRI | AdderView 4 Pro DVI 4-Port Triple Head KVM Switch (4 PCs) | 1389.91 |
| AV4PRO-DVI-QUAD | AdderView 4 Pro DVI 4-Port Quad Head KVM Switch (4 PCs) | 1788.46 |
| AV8PRO-DVI | AdderView 8 Pro DVI 8-Port KVM Switch (8 PCs) | 1489.54 |
| AV4PRO-DP | AdderView Pro 4-Port, DisplayPort with USB True Emulation Technology | 672.55 |

AdderView CATx and CATx IP 1000 KVM Switches

The AdderView CATx Series is a range of secure, KVM via CATx switches that provide concurrent local, remote or global users with BIOS level control of up to 24 multi-platform servers. The AdderView CATx IP KVM Switch Series provides local and global access for users who need to control multi-platform operating systems and hardware over IP with BIOS level control. **IP Extender versions available, contact your L-com sales representative for details. As an authorized Adder reseller, we can bid on RFQs for any Adder part numbers. Contact us to request a non-obligatory quote.**

| | | |
|------------|--|---------|
| AVX1008-US | AdderView CATx, Single User, 8 Computer Ports | 475.62 |
| AVX1016-US | AdderView CATx, Single User, 16 Computer Ports | 616.95 |
| AVX4016 | AdderView CATx, 4 User, 16-Port Switch | 1621.29 |
| AVX4016IP | AdderView CATx IP, 4 User, 16-Port Switch | 2290.83 |
| AVX4024 | AdderView CATx, 4 User, 24-Port Switch | 1908.21 |
| AVX4024IP | AdderView CATx IP, 4 User, 24-Port Switch | 2577.75 |

Adder User Stations and Computer Access Modules

Adder Computer Access Modules (CAMs) allow the user to connect multiple different machine platforms to an Adder CATx switch or KVM extender. Using the CAMs you can control Windows machines, SUN PCs and MACs over the same switch or connect via an extender. Multiple configurations are available for the Adder CAM including USB, PS/2, Audio, VGA etc. **As an authorized Adder reseller, we can bid on RFQs for any Adder part numbers. Contact us to request a non-obligatory quote.**

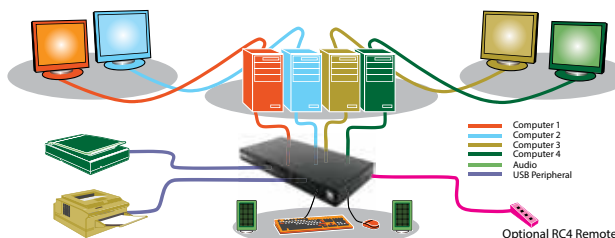
| | | |
|-------------|--|--------|
| X200R-US | Adder KVM USB User Station, No Audio, No De-skew | 334.80 |
| X200A-R-US | Adder KVM USB User Station, with Audio, No De-skew | 377.85 |
| X200AS-R-US | Adder KVM USB User Station, with Audio and De-skew | 454.37 |

Adder Command and Control Switch

The Adder Command & Control Switch (CCS-PR04) is a professional grade control switch delivering USB True Emulation for use with modern or custom USB peripherals and audio with RS232 control. Includes Free-Flow Technology, automated mouse switching designed to work with CCS-PR04 to automatically switch between target computers simply by moving the mouse pointer from screen to screen and can be configured for almost any combinations of screens. **As an authorized Adder reseller, we can bid on RFQs for any Adder part numbers. Contact us to request a non-obligatory quote.**

| | | |
|----------|--|--------|
| CCS-PR04 | Adder 1x4 USB Keyboard and Mouse Switch with Audio and Free-Flow Mouse Switching | 717.41 |
|----------|--|--------|

Application diagram for CCS-PR04



| Item # | Description | List Price |
|--|---|------------|
| AdderLink X2 KVM Extenders with Local Console, Extends KVM over Cat5e (or Better) Cabling up to 1,000 Feet (300m) | | |
| The AdderLink X2 range of KVM Extenders use the latest technology to deliver perfect video pictures at high resolutions over long distances. Using Cat5e (or better) Cable, the X2 enables you to extend KVM signals up to 300m (1,000 feet). X2s are fitted with a range of advanced features that Adder has developed and enhanced over many years of building robust KVM extenders. Flash upgradeable firmware ensures that the latest upgrades and product enhancements can be readily supported via simple downloads. Great attention has also been paid to the quality of the audio signals to avoid the annoying clicks found on some other KVM extension products. The X2-Gold supports high fidelity bi-directional stereo audio and audio signals are transmitted digitally using 16 bit, 44.1kHz sampling to ensure a low noise level. As an authorized Adder reseller, we can bid on RFQs for any Adder part numbers. Contact us to request a non-obligatory quote. | | |
| X2-DA-SILVER | AdderLink X2 Silver KVM Extender with Local Console (Pair) No Audio | 742.28 |
| X2-DA-GOLD | AdderLink X2 Gold KVM Extender with Local Console (Pair) | 871.81 |



AdderLink X Series X-200 Extenders, Extend KVM with Audio over Cat5e (or Better) Cabling up to 1,000 Feet (300m)

Fully featured USB keyboard, video and mouse extender with 44.1kHz digital stereo audio support for two computers. AdderLink X200s have been designed for use in applications where up to two computers can have their keyboard, video, audio and mouse control extended up to 300m (1000 feet) across Cat5e (or better) UTP cable. The AdderLink X200 provides absolute real time keyboard and mouse performance along with hi-definition, hi-resolution video over a VGA interface. **As an authorized Adder reseller, we can bid on RFQs for any Adder part numbers. Contact us to request a non-obligatory quote.**

| | | |
|-----------------|--|--------|
| X200-USB-P-US | AdderLink 100m (330 feet) Extender Pair, USB CAM, No Audio, No De-skew | 428.45 |
| X200A-USB-P-US | AdderLink 100m (330 feet) Extender Pair, USB CAM, Audio, No De-skew | 493.21 |
| X200AS-USB-P-US | AdderLink 300m (1000 feet) Extender Pair, USB CAM, Audio and De-skew | 572.91 |



AdderLink X-USB PRO Extenders, Extend USB and Video over Cat5e (or Better) Cabling up to 1,000 Ft (300m)

Adder's next generation USB, video and audio extenders deliver sharp, bright and high resolution video images and high quality audio at distances up to 300m (1000ft) over a single Cat5e (or better) cable. **As an authorized Adder reseller, we can bid on RFQs for any Adder part numbers. Contact us to request a non-obligatory quote.**

| | | |
|-----------------|---|---------|
| X-USBPRO-US | AdderLink VGA, Audio and 4-Port USB Hub (Full Speed) Extender to 300m over a Single Cat5e (or better) Cable | 891.73 |
| X-USBPRO-MS2-US | AdderLink Dual Head VGA, Audio and 4-Port USB Hub (Full Speed) Extender to 300m over Two Cat5e (or better) Cables | 1489.54 |



AdderLink ipeps KVM over IP

For Enterprise KVM solutions the AdderLink ipeps (IP Engine per Server) provides a non-blocking global solution by providing each computer with a dedicated KVM-via-IP engine. This can be enhanced by using the ADDER.NET Enterprise Management Software that provides a centralized and secure user access management interface. Where a KVM switch exists without KVM-over-IP functionality, the AdderLink ipeps is ideal for adding global management capabilities. Increasing numbers of computers are being used in remote, stand alone applications such as ATMs and digital signage play out devices. The incredibly small size of the AdderLink ipeps makes it perfect for remote management and control of dispersed computers, meaning that many tasks that would have required an expensive site visit can now be done from anywhere. **As an authorized Adder reseller, we can bid on RFQs for any Adder part numbers. Contact us to request a non-obligatory quote.**

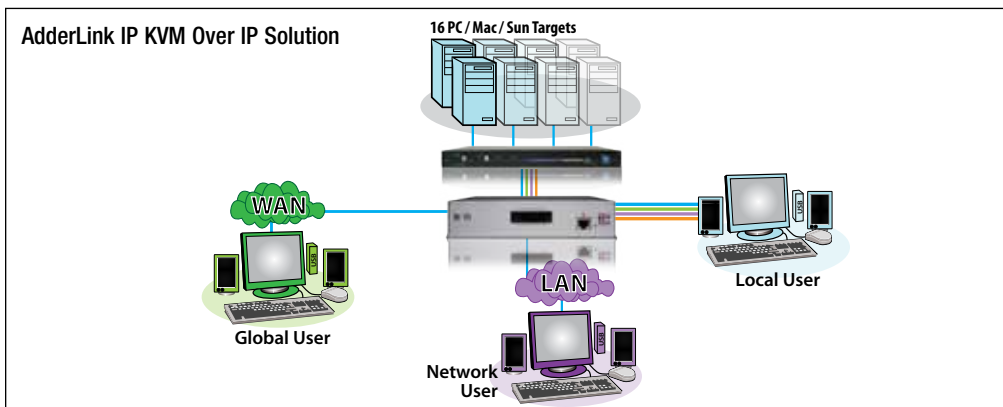
| | | |
|-------------|---|--------|
| AL-IPEPS | AdderLink ipeps KVM over IP | 525.15 |
| AL-IPEPS-DA | AdderLink ipeps KVM over IP (with Local Access) | 668.61 |



AdderLink IP KVM over IP

Manage your computers from anywhere in the world with the high-performance AdderLink IP. The AdderLink IP only requires a KVM (keyboard, video, mouse) connection to your computer or KVM switch and doesn't need any custom software to be loaded on your servers. The AdderLink IP is fully compatible with VNC (Virtual Network Computing) and Java based web browsers and doesn't require the purchase of extra software "seat" licenses. Features video modes up to 1280 x 1024 x 75Hz, video captured at 24 bits per pixel, adaptive color depth to match link speed and security features including AES 128 encryption, RSA 2048 authentication, auto logout after selectable inactive period and IP address restriction. Ships with KVM cable, universal power supply and installation CD. Rack mounting kits sold separately. Covered by a 2 year manufacturer's warranty. **As an authorized Adder reseller, we can bid on RFQs for any Adder part numbers. Contact us to request a non-obligatory quote.**

| | | |
|------------|---|---------|
| AL-IP-GOLD | AdderLink IP Gold KVM via IP with DVI and USB | 1489.54 |
| ADR-RMK4S | AdderLink IP KVM Rack Mount Kit | 78.73 |
| ADR-RMK4D | AdderLink IP KVM Dual Rack Mount Kit | 118.57 |



Coaxial Cabling Tutorial

What is Coaxial Cabling?

A coaxial cable is a two conductor electrical cable consisting of a center conductor and an outer conductor with an insulating spacer between the two.

How is Coaxial Cabling used?

Primarily, coaxial cables are used for the transmission of Radio Frequency energy. The system offers tight control over electrical impedance. This yields excellent performance at high frequencies and superior EMI control/shielding.

Where is Coaxial Cabling used?

A broad range of applications exist for coaxial cabling. The two primary impedance values of 50 and 75 Ohms determine specific applications with 50 Ohms primarily used in data signal applications and 75 Ohms used in video signal applications.

Coaxial Cabling Terms

Attenuation (Insertion Loss): Loss of power. Attenuation is usually measured in dB loss per length of cable (ex. 31.0 dB/100ft.). Attenuation increases as frequency increases.

Bend Radius: The amount of radius a cable can bend without any adverse effects.

Center Conductor: The solid or stranded wire in the middle of the coaxial cable. The conductor diameter is measured by the American Wire Gauge (AWG).

Coaxial Adapter: A device used to change one connector type to another or one gender to another (ex. BNC to SMA Adapter).

Coaxial Cable: A two conductor cylindrical transmission line typically comprised of a center conductor, an insulating dielectric material and an outer conductor (shielding). Coaxial cable can be flexible (typical to the assemblies found in this catalog), semi-rigid or rigid in nature.

Coaxial Connector: The interconnection device found at each end of a coaxial cable assembly. There are many common types of coaxial connectors such as: BNC, SMA, SMB, Type F, etc.

Dielectric: The insulating material that separates the center conductor and shielding.

Electromagnetic Interference (EMI): Electrical or electromagnetic energy that disrupts electrical signals.

Frequency: Number of times a periodic action occurs in one second. Measured in Hertz.

Impedance: The opposition to the flow of alternating or varying current. Measured in Ohms. Two common impedance values are 50 Ohms used primarily for data and 75 Ohms used to transmit video signals.

Insertion Loss: A measurement of attenuation determined by the system output before and after the connection of a cable and/or device.

Jack: The female connector usually containing a center socket.

Microwave Frequencies: Microwave frequencies range from Ultra-High Frequency (UHF) .3-3 GHz, Super High Frequency (SHF) 3-30 GHz to Extremely High Frequency (EHF) 30-300 GHz.

MIL-C-17: MIL-C-17 is a specification document that has been used since the 1940s to standardize the physical and electrical characteristics of coaxial cables. There is no longer any control of RG specifications so cables may perform differently than the cables that adhere to MIL-C-17.

Plug: The male connector usually containing a center pin.

RF (Radio Frequency): A frequency band from 3 MHz to 300 GHz. Primarily used for transmission of radio and television signals.

RG/U: A designation that originated with a US Government specification. No longer in effect.

Currently used as a general reference. (R=Radio Frequency, G=Guide, U=Universal Specification). Letters that appear before the/U characters (i.e. A, B or C) means a specification modification or revision. For instance, it is common in the CB industry to see the designation RG-58A/U. The original RG-58/U coaxial cable had a solid center conductor. The "A" modification replaced the solid center conductor with a more flexible stranded center conductor (that is highly recommended for use in mobile installations). Other designators often seen are: A = Modification to the Solid Core Material Specification, B = Modification to the Outer Jacket Specification, C = Modification of the Dielectric Insulator Specification. These designators are not precise and specifications may vary from one vendor to another.

Shielding: Conductive envelope made of wires or metal foil that covers the dielectric and the center conductor.

Twinaxial: An offshoot of coaxial cabling. Two center conductors with one dielectric and braided shielding.

Velocity of Propagation (VP): Usually expressed as a percentage, VP is the transmission speed of electrical energy in a determined length of cable compared to the speed of light.

VSWR (Voltage Standing Wave Ratio): The ratio of the maximum effective voltage to the minimum effective voltage measured along a RF transmission line. This value generally increases with frequency and higher values are not desirable.

Common Applications for Coaxial Cable Assemblies



Entertainment Systems

Coaxial cable assemblies are used extensively to connect a wide variety of home and commercial entertainment products. Entertainment equipment such as monitors, TVs, cameras, recording equipment and broadcast equipment are interconnected using coaxial cables.

Common cable types:
75Ω-RG6 or RG59

Common connectors:
BNC, F and RCA



GPS

Global Positioning Systems utilize coaxial cable for connections between receiving antennas and other related equipment.

Common cable types:
50Ω-RG58, RG174, RG188 or RG316

Common connectors:
TNC, N, MCX, MMCX and SMA

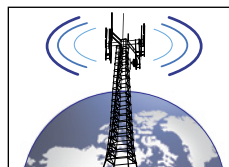


Video Systems

The transmission of a video signal from a video camera to a display monitor is typically through coaxial cable.

Common cable types:
75Ω-RG59, RG59A/U, RG59B/U or RG179

Common connectors:
BNC, F and RCA



Telecom

The infrastructure of most telecommunication systems relies heavily on coaxial cabling. Cell towers, communications equipment and base station facilities are typical examples of coaxial cable interconnection applications.

Common cable types:
50Ω-RG58, RG223 and RG213

Common connectors:
BNC, TNC and Type N



WAN/LAN

Wide Area Networks and Local Area Networks often utilize coaxial cable for equipment interconnections. Also, reverse polarized connectors are found on many wireless antenna connections.

Common cable types:
50Ω-RG174, RG58

Common connectors:
BNC

Typical Coaxial Cabling (Exploded View):

Center Conductor:

The main signal path.
Can be solid or stranded wire.

Shielding:

One of the two conductors in coaxial cable. Braid or braid + foil is typical.

Jacket:

Insulates and protects shielding and center conductor. Extruded PVC is typical.

Dielectric:

Insulating material isolates shield from center conductor. This also gives the cable its impedance property.

Typical Coaxial Connector (BNC Exploded View):

Center Pin:

Terminates to center conductor via crimping or soldering.

Crimp Sleeve:

Provides strain relief by securing braid to connector.

Ferrule:

Provides mating surface for coaxial shielding.

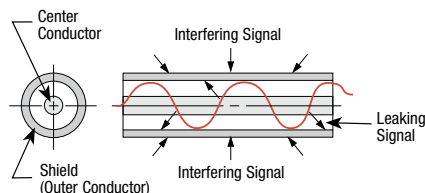
Connector (Plug) Body:

Nickel plated brass is typical.

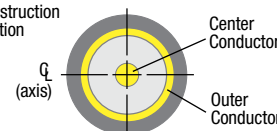
Understanding Coaxial Cable

Coaxial is a term derived from the construction of the cable, as illustrated here. In a coaxial cable an electrical impulse signal is transmitted along the cable length between the center conductor and the outer conductor. The center conductor and the outer conductor share the same center line or axis hence the term coaxial.

Shielding Effectiveness is the relative ability of a shield to screen out undesirable interference. In coaxial cable, the outer conductor provides a shield to keep interfering signals from getting in and to keep signals from leaking out to become undesirable interference for nearby devices. Shielding Effectiveness is measured in dB with higher values indicating better shielding properties. The table below illustrates the relative shielding properties of various shielding types.



Cable Construction Cross Section



Notice as the shielding density increases there is a correlated increase in the shielding effectiveness value. The best shielding effectiveness value can be found in a rigid coaxial cable due to the solid tube construction of the outer jacket. In this type of cable the limiting factor for shielding effectiveness is the quality of the connector attachment.

| Shielding Type | | | |
|---|--|--|-------------------|
| Single Braid Shield (95% coverage) | Single Braid Shield (60%) + Foil Wrap (100%) | (2) Braids (60%) + (2) Foil Wraps (100%) | Conformable Cable |
| | | | |
| Approximate Shielding Effectiveness Value | | | |
| -55dB | -90dB | -110dB | -150dB |

Coaxial Connectors

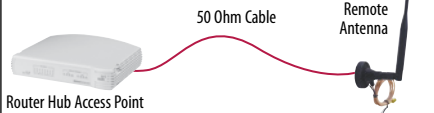
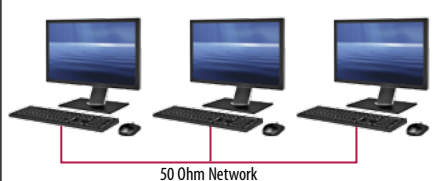
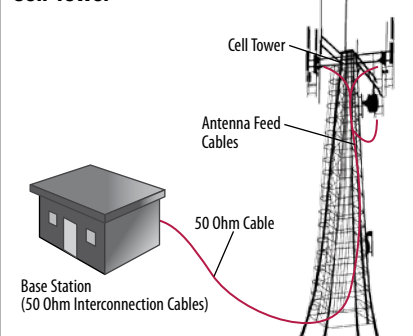


See all of our connectors online at L-com.com/ConnectorChart

*See L-com.com for actual models this connector is compatible with.

Tip *When is 50 Ohm coaxial cable used?*

The primary use of 50 Ohm coaxial cable is transmission of a data signal in a two-way communication system. Some of the common applications for 50 Ohm coaxial cable are computer Ethernet backbones, wireless antenna feed cables, GPS (Global Positioning Satellite) antenna feed cables and cell phone systems. The cable assemblies offered in this section cover the most common RG style cables and connector interfaces that are used in these applications.

LAN/WAN**Ethernet Network****Cell Tower****50 Ohm RG Series Coaxial Cables****Inline SMA Plug to Inline SMA Plug**

| Type | Cable Dia. | Length | Item # | 1-9 | 10-24 | 25-99 | 100+ |
|--|--------------------|---------------|-------------|-------|-------|-------|------|
| RG174/U Center Conductor: 26 AWG bare copper covered steel Min. Bend Radius: 0.47" (12mm) Jacket: Black PVC Operating Temperature: -40°C - +75°C | .110in. (2.8mm) | 0.5ft (0.15m) | CC174S-05 | 20.15 | 18.94 | 17.74 | CALL |
| | | 1.0ft (0.3m) | CC174S-1 | 20.36 | 19.14 | 17.92 | CALL |
| | | 1.5ft (0.45m) | CC174S-1.5 | 20.52 | 19.29 | 18.05 | CALL |
| | | 2.0ft (0.6m) | CC174S-2 | 20.67 | 19.43 | 18.19 | CALL |
| | | 2.5ft (0.75m) | CC174S-2.5 | 20.83 | 19.58 | 18.33 | CALL |
| | | 3.0ft (0.9m) | CC174S-3 | 20.98 | 19.72 | 18.47 | CALL |
| RG188A/U Center Conductor: 26 AWG silver coated copper covered steel Min. Bend Radius: 0.50" (12.7mm) Jacket: White TFE taped Operating Temperature: -70°C - +200°C | .108in. (2.7mm) | 1.0ft (0.3m) | CCS188A-1 | 16.79 | 16.11 | 15.44 | CALL |
| | | 1.5ft (0.45m) | CCS188A-1.5 | 17.36 | 16.66 | 15.97 | CALL |
| | | 2.0ft (0.6m) | CCS188A-2 | 17.93 | 17.21 | 16.49 | CALL |
| | | 2.5ft (0.75m) | CCS188A-2.5 | 18.50 | 17.76 | 17.02 | CALL |
| | | 3.0ft (0.9m) | CCS188A-3 | 19.07 | 18.30 | 17.54 | CALL |
| | | 4.0ft (1.2m) | CCS188A-4 | 20.15 | 19.35 | 18.54 | CALL |
| RG316/U Center Conductor: 26 AWG silver coated copper covered steel Min. Bend Radius: 0.51" (13mm) Jacket: Brown FEP Operating Temperature: -70°C - +200°C | .098in. (2.5mm) | 0.67ft (0.2m) | CCS316-08 | 16.42 | 15.77 | 15.11 | CALL |
| | | 1.0ft (0.3m) | CCS316-1 | 16.79 | 16.11 | 15.44 | CALL |
| | | 1.5ft (0.45m) | CCS316-1.5 | 17.36 | 16.66 | 15.97 | CALL |
| | | 2.0ft (0.6m) | CCS316-2 | 17.93 | 17.21 | 16.49 | CALL |
| | | 2.5ft (0.75m) | CCS316-2.5 | 18.50 | 17.76 | 17.02 | CALL |
| | | 3.0ft (0.9m) | CCS316-3 | 19.07 | 18.30 | 17.54 | CALL |
| RG58C/U Center Conductor: 20 AWG tinned copper Min. Bend Radius: 2.00" (50.8mm) Jacket: Black PVC Operating Temperature: -40°C - +85°C | .195in. (5.0mm) | 0.5ft (0.15m) | CCS58A-05 | 16.32 | 15.34 | 14.36 | CALL |
| | | 1.0ft (0.3m) | CCS58A-1 | 16.48 | 15.49 | 14.50 | CALL |
| | | 1.5ft (0.45m) | CCS58A-1.5 | 16.63 | 15.63 | 14.64 | CALL |
| | | 2.0ft (0.6m) | CCS58A-2 | 16.79 | 15.78 | 14.77 | CALL |
| | | 2.5ft (0.75m) | CCS58A-2.5 | 16.99 | 15.97 | 14.95 | CALL |
| | | 3.0ft (0.9m) | CCS58A-3 | 17.15 | 16.12 | 15.09 | CALL |

Inline SMA Plug to Inline SMA Jack

| Type | Cable Dia. | Length | Item # | 1-9 | 10-24 | 25-99 | 100+ |
|---|--------------------|---------------|-------------|-------|-------|-------|------|
| RG58C/U Center Conductor: 20 AWG tinned copper Min. Bend Radius: 2.00" (50.8mm) Jacket: Black PVC Operating Temperature: -40°C - +85°C | .195in. (5.0mm) | 1.0ft (0.3m) | CCS58AX-1 | 18.55 | 17.44 | 16.32 | CALL |
| | | 2.5ft (0.75m) | CCS58AX-2.5 | 19.07 | 17.92 | 16.78 | CALL |
| | | 5.0ft (1.5m) | CCS58AX-5 | 19.89 | 18.70 | 17.51 | CALL |

Inline SMA Plug to Right Angle SMA Plug

| Type | Cable Dia. | Length | Item # | 1-9 | 10-24 | 25-99 | 100+ |
|--|--------------------|---------------|---------------|-------|-------|-------|------|
| RG174/U Center Conductor: 26 AWG bare copper covered steel Min. Bend Radius: 0.47" (12mm) Jacket: Black PVC Operating Temperature: -40°C - +75°C | .110in. (2.8mm) | 0.5ft (0.15m) | CC174S-05HR | 24.09 | 22.65 | 21.20 | CALL |
| | | 1.0ft (0.3m) | CC174S-1HR | 24.25 | 22.79 | 21.34 | CALL |
| | | 1.5ft (0.45m) | CC174S-1.5HR | 24.40 | 22.94 | 21.47 | CALL |
| | | 2.5ft (0.75m) | CC174S-2.5HR | 24.77 | 23.28 | 21.79 | CALL |
| | | 5.0ft (1.5m) | CC174S-5HR | 25.59 | 24.06 | 22.52 | CALL |
| | | | | | | | |
| RG188A/U Center Conductor: 26 AWG silver coated copper covered steel Min. Bend Radius: 0.50" (12.7mm) Jacket: White TFE taped Operating Temperature: -70°C - +200°C | .108in. (2.7mm) | 1.0ft (0.3m) | CCSHR188A-1 | 19.07 | 18.30 | 17.54 | CALL |
| | | 1.5ft (0.45m) | CCSHR188A-1.5 | 19.58 | 18.80 | 18.02 | CALL |
| | | 2.5ft (0.75m) | CCSHR188A-2.5 | 20.72 | 19.90 | 19.07 | CALL |
| | | 4.0ft (1.2m) | CCSHR188A-4 | 22.38 | 21.49 | 20.59 | CALL |
| | | 5.0ft (1.5m) | CCSHR188A-5 | 23.52 | 22.58 | 21.64 | CALL |
| | | 7.5ft (2.3m) | CCSHR188A-7.5 | 26.32 | 25.27 | 24.21 | CALL |
| RG316/U Center Conductor: 26 AWG silver coated copper covered steel Min. Bend Radius: 0.51" (13mm) Jacket: Brown FEP Operating Temperature: -70°C - +200°C | .098in. (2.5mm) | 1.0ft (0.3m) | CCSHR316-1 | 19.07 | 18.30 | 17.54 | CALL |
| | | 1.5ft (0.45m) | CCSHR316-1.5 | 19.58 | 18.80 | 18.02 | CALL |
| | | 2.0ft (0.6m) | CCSHR316-2 | 20.15 | 19.35 | 18.54 | CALL |
| | | 2.5ft (0.75m) | CCSHR316-2.5 | 20.72 | 19.90 | 19.07 | CALL |
| | | 3.0ft (0.9m) | CCSHR316-3 | 21.29 | 20.44 | 19.59 | CALL |
| | | 4.0ft (1.2m) | CCSHR316-4 | 22.38 | 21.49 | 20.59 | CALL |
| RG58C/U Center Conductor: 20 AWG tinned copper Min. Bend Radius: 2.00" (50.8mm) Jacket: Black PVC Operating Temperature: -40°C - +85°C | .195in. (5.0mm) | 0.5ft (0.15m) | CCS58A-05HR | 16.37 | 15.39 | 14.41 | CALL |
| | | 1.0ft (0.3m) | CCS58A-1HR | 16.53 | 15.54 | 14.54 | CALL |
| | | 1.5ft (0.45m) | CCS58A-1.5HR | 16.68 | 15.68 | 14.68 | CALL |
| | | 2.0ft (0.6m) | CCS58A-2HR | 16.89 | 15.88 | 14.86 | CALL |
| | | 2.5ft (0.75m) | CCS58A-2.5HR | 17.05 | 16.02 | 15.00 | CALL |
| | | 3.0ft (0.9m) | CCS58A-3HR | 17.20 | 16.17 | 15.14 | CALL |

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Right Angle SMA Plug to Right Angle SMA Plug

| Type | Cable Dia. | Length | Item # | 1-9 | 10-24 | 25-99 | 100+ |
|--|--------------------|---------------|---------------|-------|-------|-------|------|
| RG174/U Center Conductor: 26 AWG bare copper covered steel Min. Bend Radius: 0.47" (12mm) Jacket: Black PVC Operating Temperature: -40°C - +75°C | .110in. (2.8mm) | 0.5ft (0.15m) | CC174S-05HR2 | 29.12 | 27.37 | 25.62 | CALL |
| | | 1.0ft (0.3m) | CC174S-1HR2 | 29.27 | 27.52 | 25.76 | CALL |
| | | 1.5ft (0.45m) | CC174S-1.5HR2 | 29.48 | 27.71 | 25.94 | CALL |
| | | 2.5ft (0.75m) | CC174S-2.5HR2 | 29.79 | 28.00 | 26.22 | CALL |
| | | 5.0ft (1.5m) | CC174S-5HR2 | 30.62 | 28.78 | 26.95 | CALL |
| RG188A/U Center Conductor: 26 AWG silver coated copper covered steel Min. Bend Radius: 0.50" (12.7mm) Jacket: White TFE taped Operating Temperature: -70°C - +200°C | .108in. (2.7mm) | 1.0ft (0.3m) | CCSR188A-1 | 22.38 | 21.49 | 20.59 | CALL |
| | | 1.5ft (0.45m) | CCSR188A-1.5 | 22.95 | 22.03 | 21.12 | CALL |
| | | 2.0ft (0.6m) | CCSR188A-2 | 23.52 | 22.58 | 21.64 | CALL |
| | | 2.5ft (0.75m) | CCSR188A-2.5 | 24.09 | 23.13 | 22.16 | CALL |
| | | 3.0ft (0.9m) | CCSR188A-3 | 24.66 | 23.68 | 22.69 | CALL |
| RG316/U Center Conductor: 26 AWG silver coated copper covered steel Min. Bend Radius: 0.51" (13mm) Jacket: Brown FEP Operating Temperature: -70°C - +200°C | .098in. (2.5mm) | 1.0ft (0.3m) | CCSR316-1 | 22.38 | 21.49 | 20.59 | CALL |
| | | 1.5ft (0.45m) | CCSR316-1.5 | 22.95 | 22.03 | 21.12 | CALL |
| | | 2.0ft (0.6m) | CCSR316-2 | 23.52 | 22.58 | 21.64 | CALL |
| | | 2.5ft (0.75m) | CCSR316-2.5 | 24.09 | 23.13 | 22.16 | CALL |
| | | 3.0ft (0.9m) | CCSR316-3 | 24.66 | 23.68 | 22.69 | CALL |
| RG58C/U Center Conductor: 20 AWG tinned copper Min. Bend Radius: 2.00" (50.8mm) Jacket: Black PVC Operating Temperature: -40°C - +85°C | .195in. (5.0mm) | 0.5ft (0.15m) | CCS58A-05HR2 | 19.84 | 18.65 | 17.46 | CALL |
| | | 1.0ft (0.3m) | CCS58A-1HR2 | 20.00 | 18.80 | 17.60 | CALL |
| | | 1.5ft (0.45m) | CCS58A-1.5HR2 | 20.15 | 18.94 | 17.74 | CALL |
| | | 2.5ft (0.75m) | CCS58A-2.5HR2 | 20.36 | 19.14 | 17.92 | CALL |
| | | 5.0ft (1.5m) | CCS58A-5HR2 | 21.35 | 20.06 | 18.78 | CALL |
| | | 10.0ft (3.0m) | CCS58A-10HR2 | 23.00 | 21.62 | 20.24 | CALL |

**Inline SMA Plug to Inline BNC Plug**

| Type | Cable Dia. | Length | Item # | 1-9 | 10-24 | 25-99 | 100+ |
|---|--------------------|---------------|-------------|-------|-------|-------|------|
| RG174/U Center Conductor: 26 AWG bare copper covered steel Min. Bend Radius: 0.47" (12mm) Jacket: Black PVC Operating Temperature: -40°C - +75°C | .110in. (2.8mm) | 0.5ft (0.15m) | CC174SB-05 | 15.70 | 14.76 | 13.81 | CALL |
| | | 1.0ft (0.3m) | CC174SB-1 | 15.85 | 14.90 | 13.95 | CALL |
| | | 1.5ft (0.45m) | CC174SB-1.5 | 16.01 | 15.05 | 14.09 | CALL |
| | | 2.5ft (0.75m) | CC174SB-2.5 | 16.37 | 15.39 | 14.41 | CALL |
| | | 5.0ft (1.5m) | CC174SB-5 | 17.20 | 16.17 | 15.14 | CALL |
| | | 10.0ft (3.0m) | CC174SB-10 | 18.86 | 17.73 | 16.60 | CALL |
| | | 1.0ft (0.3m) | CCS58AB-1 | 13.89 | 13.05 | 12.22 | CALL |
| RG58C/U Center Conductor: 20 AWG tinned copper Min. Bend Radius: 2.00" (50.8mm) Jacket: Black PVC Operating Temperature: -40°C - +85°C | .195in. (5.0mm) | 1.5ft (0.45m) | CCS58AB-1.5 | 14.09 | 13.25 | 12.40 | CALL |
| | | 2.5ft (0.75m) | CCS58AB-2.5 | 14.40 | 13.54 | 12.67 | CALL |
| | | 5.0ft (1.5m) | CCS58AB-5 | 15.23 | 14.32 | 13.40 | CALL |
| | | 7.5ft (2.3m) | CCS58AB-7.5 | 16.06 | 15.10 | 14.13 | CALL |
| | | 10.0ft (3.0m) | CCS58AB-10 | 16.94 | 15.93 | 14.91 | CALL |

**Inline BNC Plug to Inline BNC Plug**

| Type | Cable Dia. | Length | Item # | 1-9 | 10-24 | 25-99 | 100+ |
|---|---------------------|-----------------|--------------|--------|--------|-------|------|
| RG174/U Center Conductor: 26 AWG bare copper covered steel Min. Bend Radius: 0.47" (12mm) Jacket: Black PVC Operating Temperature: -40°C - +75°C | .110in. (2.8mm) | 1.0ft (0.3m) | CC174-1 | 7.88 | 7.40 | 6.93 | CALL |
| | | 1.5ft (0.45m) | CC174-1.5 | 8.03 | 7.55 | 7.07 | CALL |
| | | 2.5ft (0.75m) | CC174-2.5 | 8.34 | 7.84 | 7.34 | CALL |
| | | 5.0ft (1.5m) | CC174-5 | 9.22 | 8.67 | 8.12 | CALL |
| | | 7.5ft (2.3m) | CC174-7.5 | 10.05 | 9.45 | 8.84 | CALL |
| | | 25.0ft (7.6m) | CC174-25 | 15.91 | 14.95 | 14.00 | CALL |
| | | 1.0ft (0.3m) | CC58C-1 | 8.19 | 7.69 | 7.20 | CALL |
| RG58C/U Center Conductor: 20 AWG tinned copper Min. Bend Radius: 2.00" (50.8mm) Jacket: Black PVC Operating Temperature: -40°C - +85°C | .195in. (5.0mm) | 2.5ft (0.75m) | CC58C-2.5 | 8.70 | 8.18 | 7.66 | CALL |
| | | 5.0ft (1.5m) | CC58C-5 | 9.53 | 8.96 | 8.39 | CALL |
| | | 10.0ft (3.0m) | CC58C-10 | 11.19 | 10.52 | 9.85 | CALL |
| | | 15.0ft (4.6m) | CC58C-15 | 12.90 | 12.13 | 11.35 | CALL |
| | | 50.0ft (15.2m) | CC58C-50 | 24.66 | 23.18 | 21.70 | CALL |
| RG58/U ThinNet Plenum Center Conductor: 20 AWG tinned copper Min. Bend Radius: 2.00" (50.8mm) Jacket: Beige PVC Operating Temperature: -40°C - +75°C | .185in. (4.7mm) | 1.0ft (0.3m) | CCTN58P-1B | 17.93 | 17.21 | 16.49 | CALL |
| | | 2.5ft (0.75m) | CCTN58P-2.5B | 20.15 | 19.35 | 18.54 | CALL |
| | | 5.0ft (1.5m) | CCTN58P-5B | 25.75 | 24.72 | 23.69 | CALL |
| | | 7.5ft (2.3m) | CCTN58P-7.5B | 30.26 | 29.05 | 27.84 | CALL |
| | | 10.0ft (3.0m) | CCTN58P-10B | 34.71 | 33.32 | 31.94 | CALL |
| | | 50.0ft (15.2m) | CCTN58P-50B | 97.40 | 93.51 | 89.61 | CALL |
| RG223/U Center Conductor: 19 AWG solid silver coated copper Min. Bend Radius: 0.98" (25mm) Jacket: Black PVC Operating Temperature: -40°C - +60°C | .212in. (5.4mm) | 1.0ft (0.3m) | CC223B-1 | 21.86 | 20.99 | 20.11 | CALL |
| | | 1.5ft (0.45m) | CC223B-1.5 | 22.69 | 21.79 | 20.88 | CALL |
| | | 2.5ft (0.75m) | CC223B-2.5 | 24.35 | 23.38 | 22.40 | CALL |
| | | 5.0ft (1.5m) | CC223B-5 | 28.55 | 27.41 | 26.26 | CALL |
| | | 10.0ft (3.0m) | CC223B-10 | 36.94 | 35.46 | 33.99 | CALL |
| RG142B/U Center Conductor: 18 AWG solid silver coated copper Min. Bend Radius: 0.98" (25mm) Jacket: Brown FEP Operating Temperature: -70°C - +200°C | .195in. (5.0mm) | 1.0ft (0.3m) | CC142B-1 | 16.63 | 15.97 | 15.30 | CALL |
| | | 2.5ft (0.75m) | CC142B-2.5 | 19.33 | 18.55 | 17.78 | CALL |
| | | 5.0ft (1.5m) | CC142B-5 | 23.78 | 22.83 | 21.88 | CALL |
| | | 7.5ft (2.3m) | CC142B-7.5 | 28.29 | 27.16 | 26.03 | CALL |
| | | 10.0ft (3.0m) | CC142B-10 | 32.74 | 31.43 | 30.12 | CALL |
| RG213/U Center Conductor: 13 AWG bare copper Min. Bend Radius: 1.57" (40mm) Jacket: Black PVC Operating Temperature: -40°C - +80°C | .405in. (10.3mm) | 50.0ft (15.2m) | CC142B-50 | 104.40 | 100.22 | 96.05 | CALL |
| | | 5.0ft (1.5m) | CC213B-5 | 19.58 | 18.80 | 18.02 | CALL |
| | | 10.0ft (3.0m) | CC213B-10 | 23.78 | 22.83 | 21.88 | CALL |
| | | 15.0ft (4.6m) | CC213B-15 | 27.98 | 26.86 | 25.74 | CALL |
| | | 25.0ft (7.6m) | CC213B-25 | 36.37 | 34.92 | 33.46 | CALL |
| | | 50.0ft (15.2m) | CC213B-50 | 57.35 | 55.06 | 52.77 | CALL |
| | | 100.0ft (30.5m) | CC213B-100 | 99.32 | 95.35 | 91.37 | CALL |





CC174-MF

50 Ohm Coaxial Cables**Inline BNC Plug to Inline BNC Jack**

| Type | Cable Dia. | Length | Item # | 1-9 | 10-24 | 25-99 | 100+ |
|---|--------------------|----------------|-------------|-------|-------|-------|------|
| RG174/U Center Conductor: 26 AWG bare copper covered steel Min. Bend Radius: 0.47" (12mm) Jacket: Black PVC Operating Temperature: -40°C - +75°C | .110in. (2.8mm) | 1.0ft (0.3m) | CC174-MF-1 | 15.70 | 14.76 | 13.81 | CALL |
| | | 3.0ft (0.9m) | CC174-MF-3 | 16.37 | 15.39 | 14.41 | CALL |
| | | 10.0ft (3.0m) | CC174-MF-10 | 18.70 | 17.58 | 16.46 | CALL |
| | | 15.0ft (4.6m) | CC174-MF-15 | 20.41 | 19.19 | 17.96 | CALL |
| | | 25.0ft (7.6m) | CC174-MF-25 | 23.73 | 22.31 | 20.88 | CALL |
| RG58C/U Center Conductor: 20 AWG tinned copper Min. Bend Radius: 2.00" (50.8mm) Jacket: Black PVC Operating Temperature: -40°C - +85°C | .195in. (5.0mm) | 1.0ft (0.3m) | CC58C-MF-1 | 15.59 | 14.66 | 13.72 | CALL |
| | | 3.0ft (0.9m) | CC58C-MF-3 | 16.27 | 15.29 | 14.32 | CALL |
| | | 6.0ft (1.8m) | CC58C-MF-6 | 17.25 | 16.22 | 15.18 | CALL |
| | | 10.0ft (3.0m) | CC58C-MF-10 | 18.60 | 17.48 | 16.37 | CALL |
| | | 25.0ft (7.6m) | CC58C-MF-25 | 23.63 | 22.21 | 20.79 | CALL |
| | | 50.0ft (15.2m) | CC58C-MF-50 | 32.02 | 30.10 | 28.18 | CALL |

Inline BNC Plug to Right Angle BNC Plug

| Type | Cable Dia. | Length | Item # | 1-9 | 10-24 | 25-99 | 100+ |
|---|--------------------|---------------|-------------|-------|-------|-------|------|
| RG174/U Center Conductor: 26 AWG bare copper covered steel Min. Bend Radius: 0.47" (12mm) Jacket: Black PVC Operating Temperature: -40°C - +75°C | .110in. (2.8mm) | 1.0ft (0.3m) | CC174-1HR | 11.40 | 10.71 | 10.03 | CALL |
| | | 1.5ft (0.45m) | CC174-1.5HR | 11.55 | 10.86 | 10.17 | CALL |
| | | 2.5ft (0.75m) | CC174-2.5HR | 11.86 | 11.15 | 10.44 | CALL |
| | | 5.0ft (1.5m) | CC174-5HR | 12.75 | 11.98 | 11.22 | CALL |
| | | 7.5ft (2.3m) | CC174-7.5HR | 13.57 | 12.76 | 11.95 | CALL |
| | | 10.0ft (3.0m) | CC174-10HR | 14.40 | 13.54 | 12.67 | CALL |
| | | 1.0ft (0.3m) | CC58C-1HR | 11.71 | 11.01 | 10.30 | CALL |
| RG58C/U Center Conductor: 20 AWG tinned copper Min. Bend Radius: 2.00" (50.8mm) Jacket: Black PVC Operating Temperature: -40°C - +85°C | .195in. (5.0mm) | 1.5ft (0.45m) | CC58C-1.5HR | 11.86 | 11.15 | 10.44 | CALL |
| | | 2.0ft (0.6m) | CC58C-2HR | 12.07 | 11.35 | 10.62 | CALL |
| | | 2.5ft (0.75m) | CC58C-2.5HR | 12.23 | 11.49 | 10.76 | CALL |
| | | 5.0ft (1.5m) | CC58C-5HR | 13.06 | 12.27 | 11.49 | CALL |
| | | 10.0ft (3.0m) | CC58C-10HR | 14.77 | 13.88 | 12.99 | CALL |

Right Angle BNC Plug to Right Angle BNC Plug

| Type | Cable Dia. | Length | Item # | 1-9 | 10-24 | 25-99 | 100+ |
|---|--------------------|---------------|--------------|-------|-------|-------|------|
| RG174/U Center Conductor: 26 AWG bare copper covered steel Min. Bend Radius: 0.47" (12mm) Jacket: Black PVC Operating Temperature: -40°C - +75°C | .110in. (2.8mm) | 1.0ft (0.3m) | CC174-1HR2 | 14.77 | 13.88 | 12.99 | CALL |
| | | 1.5ft (0.45m) | CC174-1.5HR2 | 14.92 | 14.03 | 13.13 | CALL |
| | | 2.5ft (0.75m) | CC174-2.5HR2 | 15.23 | 14.32 | 13.40 | CALL |
| | | 5.0ft (1.5m) | CC174-5HR2 | 16.06 | 15.10 | 14.13 | CALL |
| | | 7.5ft (2.3m) | CC174-7.5HR2 | 16.94 | 15.93 | 14.91 | CALL |
| | | 10.0ft (3.0m) | CC174-10HR2 | 17.77 | 16.70 | 15.64 | CALL |
| | | 1.0ft (0.3m) | CC58C-1HR2 | 13.99 | 13.15 | 12.31 | CALL |
| RG58C/U Center Conductor: 20 AWG tinned copper Min. Bend Radius: 2.00" (50.8mm) Jacket: Black PVC Operating Temperature: -40°C - +85°C | .195in. (5.0mm) | 1.5ft (0.45m) | CC58C-1.5HR2 | 14.20 | 13.34 | 12.49 | CALL |
| | | 2.0ft (0.6m) | CC58C-2HR2 | 14.35 | 13.49 | 12.63 | CALL |
| | | 2.5ft (0.75m) | CC58C-2.5HR2 | 14.51 | 13.64 | 12.77 | CALL |
| | | 5.0ft (1.5m) | CC58C-5HR2 | 15.34 | 14.42 | 13.50 | CALL |
| | | 10.0ft (3.0m) | CC58C-10HR2 | 17.05 | 16.02 | 15.00 | CALL |

Inline Insulated BNC Plug to Inline Insulated BNC Plug

| Type | Cable Dia. | Length | Item # | 1-9 | 10-24 | 25-99 | 100+ |
|--|--------------------|----------------|------------|-------|-------|-------|------|
| RG58/U (R9907) Center Conductor: 20 AWG tinned copper Min. Bend Radius: 2.00" (50.8mm) Jacket: Beige PVC Operating Temperature: -40°C - +75°C | .185in. (4.7mm) | 1.0ft (0.3m) | CCTN58-1B | 9.53 | 8.77 | 8.01 | CALL |
| | | 3.0ft (0.9m) | CCTN58-3B | 10.67 | 9.82 | 8.97 | CALL |
| | | 6.0ft (1.8m) | CCTN58-6B | 12.33 | 11.34 | 10.36 | CALL |
| | | 10.0ft (3.0m) | CCTN58-10B | 14.56 | 13.39 | 12.23 | CALL |
| | | 25.0ft (7.6m) | CCTN58-25B | 21.14 | 19.45 | 17.76 | CALL |
| | | 50.0ft (15.2m) | CCTN58-50B | 35.13 | 32.32 | 29.51 | CALL |

Insulated Right Angle BNC Plug to Insulated Right Angle BNC Plug

| Type | Cable Dia. | Length | Item # | 1-9 | 10-24 | 25-99 | 100+ |
|--|--------------------|---------------|---------------|-------|-------|-------|------|
| RG58/U (R9907) Center Conductor: 20 AWG tinned copper Min. Bend Radius: 2.00" (50.8mm) Jacket: Beige PVC Operating Temperature: -40°C - +75°C | .185in. (4.7mm) | 5.0ft (1.5m) | CCTN58-5HR2B | 26.58 | 22.33 | 22.33 | CALL |
| | | 10.0ft (3.0m) | CCTN58-10HR2B | 29.38 | 24.68 | 24.68 | CALL |
| | | 15.0ft (4.6m) | CCTN58-15HR2B | 32.17 | 27.03 | 27.03 | CALL |
| | | 25.0ft (7.6m) | CCTN58-25HR2B | 37.77 | 31.73 | 31.73 | CALL |

Inline SMB Plug to Inline SMB Plug

| Type | Cable Dia. | Length | Item # | 1-9 | 10-24 | 25-99 | 100+ |
|--|--------------------|---------------|--------------|-------|-------|-------|------|
| RG188A/U Center Conductor: 26 AWG silver coated copper covered steel Min. Bend Radius: 0.50" (12.7mm) Jacket: White TFE taped Operating Temperature: -70°C - +200°C | .108in. (2.7mm) | 1.0ft (0.3m) | CCSB188A-1 | 29.69 | 28.50 | 27.31 | CALL |
| | | 1.5ft (0.45m) | CCSB188A-1.5 | 30.26 | 29.05 | 27.84 | CALL |
| | | 2.5ft (0.75m) | CCSB188A-2.5 | 31.35 | 30.09 | 28.84 | CALL |
| | | 5.0ft (1.5m) | CCSB188A-5 | 34.14 | 32.78 | 31.41 | CALL |
| | | 7.5ft (2.3m) | CCSB188A-7.5 | 36.94 | 35.46 | 33.99 | CALL |
| | | 10.0ft (3.0m) | CCSB188A-10 | 39.74 | 38.15 | 36.56 | CALL |
| RG316/U Center Conductor: 26 AWG silver coated copper covered steel Min. Bend Radius: 0.51" (13mm) Jacket: Brown FEP Operating Temperature: -70°C - +200°C | .098in. (2.5mm) | 1.0ft (0.3m) | CCSB316-1 | 29.69 | 28.50 | 27.31 | CALL |
| | | 1.5ft (0.45m) | CCSB316-1.5 | 30.26 | 29.05 | 27.84 | CALL |
| | | 2.5ft (0.75m) | CCSB316-2.5 | 31.35 | 30.09 | 28.84 | CALL |
| | | 10.0ft (3.0m) | CCSB316-10 | 39.74 | 38.15 | 36.56 | CALL |

Don't see what you are looking for? Be sure to visit **L-com.com** for a complete listing of all available cable assemblies, as well as our online Custom Cable Configurator and Product Wizards.

Inline SMC Plug to Inline SMC Plug

| Type | Cable Dia. | Length | Item # | 1-9 | 10-24 | 25-99 | 100+ |
|--|--------------------|---------------|--------------|-------|-------|-------|------|
| RG188A/U Center Conductor: 26 AWG silver coated copper covered steel Min. Bend Radius: 0.50" (12.7mm) Jacket: White TFE taped Operating Temperature: -70°C - +200°C | .108in. (2.7mm) | 1.0ft (0.3m) | CCSC188A-1 | 29.69 | 28.50 | 27.31 | CALL |
| | | 1.5ft (0.45m) | CCSC188A-1.5 | 30.26 | 29.05 | 27.84 | CALL |
| | | 2.5ft (0.75m) | CCSC188A-2.5 | 31.35 | 30.09 | 28.84 | CALL |
| | | 5.0ft (1.5m) | CCSC188A-5 | 34.14 | 32.78 | 31.41 | CALL |
| | | 7.5ft (2.3m) | CCSC188A-7.5 | 36.94 | 35.46 | 33.99 | CALL |
| RG316/U Center Conductor: 26 AWG silver coated copper covered steel Min. Bend Radius: 0.51" (13mm) Jacket: Brown FEP Operating Temperature: -70°C - +200°C | .098in. (2.5mm) | 10.0ft (3.0m) | CCSC188A-10 | 39.74 | 38.15 | 36.56 | CALL |
| | | 1.0ft (0.3m) | CCSC316-1 | 29.69 | 28.50 | 27.31 | CALL |
| | | 1.5ft (0.45m) | CCSC316-1.5 | 30.26 | 29.05 | 27.84 | CALL |
| | | 2.0ft (0.6m) | CCSC316-2 | 30.78 | 29.54 | 28.31 | CALL |
| | | 2.5ft (0.75m) | CCSC316-2.5 | 31.35 | 30.09 | 28.84 | CALL |
| | | 10.0ft (3.0m) | CCSC316-10 | 39.74 | 38.15 | 36.56 | CALL |

Right Angle MCX Plug to Right Angle MCX Plug

| Type | Cable Dia. | Length | Item # | 1-9 | 10-24 | 25-99 | 100+ |
|--|--------------------|---------------|--------------|-------|-------|-------|------|
| RG188A/U Center Conductor: 26 AWG silver coated copper covered steel Min. Bend Radius: 0.50" (12.7mm) Jacket: White TFE taped Operating Temperature: -70°C - +200°C | .108in. (2.7mm) | 1.0ft (0.3m) | CCSM188A-1 | 29.69 | 28.50 | 27.31 | CALL |
| | | 2.5ft (0.75m) | CCSM188A-2.5 | 31.35 | 30.09 | 28.84 | CALL |
| | | 5.0ft (1.5m) | CCSM188A-5 | 34.14 | 32.78 | 31.41 | CALL |
| | | 7.5ft (2.3m) | CCSM188A-7.5 | 36.94 | 35.46 | 33.99 | CALL |
| | | 10.0ft (3.0m) | CCSM188A-10 | 39.74 | 38.15 | 36.56 | CALL |
| RG316/U Center Conductor: 26 AWG silver coated copper covered steel Min. Bend Radius: 0.51" (13mm) Jacket: Brown FEP Operating Temperature: -70°C - +200°C | .098in. (2.5mm) | 1.0ft (0.3m) | CCSM316-1 | 29.69 | 28.50 | 27.31 | CALL |
| | | 1.5ft (0.45m) | CCSM316-1.5 | 30.26 | 29.05 | 27.84 | CALL |
| | | 2.5ft (0.75m) | CCSM316-2.5 | 31.35 | 30.09 | 28.84 | CALL |
| | | 10.0ft (3.0m) | CCSM316-10 | 39.74 | 38.15 | 36.56 | CALL |

Inline TNC Plug to Inline TNC Plug

| Type | Cable Dia. | Length | Item # | 1-9 | 10-24 | 25-99 | 100+ |
|--|---------------------|----------------|------------|-------|-------|-------|------|
| RG58C/U Center Conductor: 20 AWG tinned copper Min. Bend Radius: 2.00" (50.8mm) Jacket: Black PVC Operating Temperature: -40°C - +85°C | .195in. (5.0mm) | 1.0ft (0.3m) | CC58T-1 | 10.78 | 10.13 | 9.48 | CALL |
| | | 3.0ft (0.9m) | CC58T-3 | 11.45 | 10.76 | 10.08 | CALL |
| | | 10.0ft (3.0m) | CC58T-10 | 13.78 | 12.95 | 12.13 | CALL |
| | | 15.0ft (4.6m) | CC58T-15 | 15.49 | 14.56 | 13.63 | CALL |
| | | 25.0ft (7.6m) | CC58T-25 | 18.81 | 17.68 | 16.55 | CALL |
| | | 50.0ft (15.2m) | CC58T-50 | 27.20 | 25.57 | 23.94 | CALL |
| RG223/U Center Conductor: 19 AWG solid silver coated copper Min. Bend Radius: 0.98" (25mm) Jacket: Black PVC Operating Temperature: -40°C - +60°C | .212in. (5.4mm) | 1.0ft (0.3m) | CC223T-1 | 21.86 | 20.99 | 20.11 | CALL |
| | | 1.5ft (0.45m) | CC223T-1.5 | 22.69 | 21.79 | 20.88 | CALL |
| | | 2.0ft (0.6m) | CC223T-2 | 23.52 | 22.58 | 21.64 | CALL |
| | | 2.5ft (0.75m) | CC223T-2.5 | 24.35 | 23.38 | 22.40 | CALL |
| | | 5.0ft (1.5m) | CC223T-5 | 28.55 | 27.41 | 26.26 | CALL |
| | | 10.0ft (3.0m) | CC223T-10 | 36.94 | 35.46 | 33.99 | CALL |
| RG213/U Center Conductor: 13 AWG bare copper Min. Bend Radius: 1.57" (40mm) Jacket: Black PVC Operating Temperature: -40°C - +60°C | .405in. (10.3mm) | 5.0ft (1.5m) | CC213T-5 | 20.46 | 19.65 | 18.83 | CALL |
| | | 10.0ft (3.0m) | CC213T-10 | 24.66 | 23.68 | 22.69 | CALL |
| | | 15.0ft (4.6m) | CC213T-15 | 28.86 | 27.70 | 26.55 | CALL |
| | | 25.0ft (7.6m) | CC213T-25 | 37.25 | 35.76 | 34.27 | CALL |
| | | 50.0ft (15.2m) | CC213T-50 | 58.23 | 55.91 | 53.58 | CALL |
| | | 75.0ft (22.9m) | CC213T-75 | 79.22 | 76.05 | 72.88 | CALL |

Inline Type N Plug to Inline Type N Plug

| Type | Cable Dia. | Length | Item # | 1-9 | 10-24 | 25-99 | 100+ |
|--|---------------------|----------------|------------|-------|-------|-------|------|
| RG223/U Center Conductor: 19 AWG solid silver coated copper Min. Bend Radius: 0.98" (25mm) Jacket: Black PVC Operating Temperature: -40°C - +60°C | .212in. (5.4mm) | 1.0ft (0.3m) | CC223N-1 | 33.57 | 32.23 | 30.89 | CALL |
| | | 1.5ft (0.45m) | CC223N-1.5 | 34.45 | 33.08 | 31.70 | CALL |
| | | 2.5ft (0.75m) | CC223N-2.5 | 36.11 | 34.67 | 33.22 | CALL |
| | | 5.0ft (1.5m) | CC223N-5 | 40.31 | 38.70 | 37.08 | CALL |
| | | 7.5ft (2.3m) | CC223N-7.5 | 44.50 | 42.72 | 40.94 | CALL |
| | | 10.0ft (3.0m) | CC223N-10 | 48.70 | 46.75 | 44.81 | CALL |
| RG213/U Center Conductor: 13 AWG bare copper Min. Bend Radius: 1.57" (40mm) Jacket: Black PVC Operating Temperature: -40°C - +80°C | .405in. (10.3mm) | 5.0ft (1.5m) | CC213-5 | 20.46 | 19.65 | 18.83 | CALL |
| | | 10.0ft (3.0m) | CC213-10 | 24.66 | 23.68 | 22.69 | CALL |
| | | 15.0ft (4.6m) | CC213-15 | 28.86 | 27.70 | 26.55 | CALL |
| | | 25.0ft (7.6m) | CC213-25 | 37.25 | 35.76 | 34.27 | CALL |
| | | 50.0ft (15.2m) | CC213-50 | 58.23 | 55.91 | 53.58 | CALL |
| | | 75.0ft (22.9m) | CC213-75 | 79.22 | 76.05 | 72.88 | CALL |

Reverse Polarized TNC Plug to Reverse Polarized TNC Jack

| Type | Cable Dia. | Length | Item # | 1-9 | 10-24 | 25-99 | 100+ |
|---|---------------------|---------------|-----------|-------|-------|-------|------|
| RG58C/U Center Conductor: 20 AWG tinned copper Min. Bend Radius: 2.00" (50.8mm) Jacket: Black PVC Operating Temperature: -40°C - +85°C | .195in. (5.08mm) | 5.0ft (1.5m) | CC58RP-5 | 24.66 | 23.18 | 21.70 | CALL |
| | | 10.0ft (3.0m) | CC58RP-10 | 27.46 | 25.81 | 24.16 | CALL |
| | | 20.0ft (6.1m) | CC58RP-20 | 33.05 | 31.07 | 29.09 | CALL |
| | | 25.0ft (7.6m) | CC58RP-25 | 35.85 | 33.70 | 31.55 | CALL |

Reverse Polarized SMA Plug to Reverse Polarized SMA Jack

| Type | Cable Dia. | Length | Item # | 1-9 | 10-24 | 25-99 | 100+ |
|---|--------------------|---------------|------------|-------|-------|-------|------|
| RG174/U Center Conductor: 26 AWG bare copper covered steel Min. Bend Radius: 0.47" (12mm) Jacket: Black PVC Operating Temperature: -40°C - +75°C | .110in. (2.8mm) | 5.0ft (1.5m) | CC174RP-5 | 22.12 | 20.80 | 19.47 | CALL |
| | | 10.0ft (3.0m) | CC174RP-10 | 23.52 | 22.11 | 20.70 | CALL |
| | | 15.0ft (4.6m) | CC174RP-15 | 24.92 | 23.43 | 21.93 | CALL |
| | | 20.0ft (6.1m) | CC174RP-20 | 26.32 | 24.74 | 23.16 | CALL |
| | | 25.0ft (7.6m) | CC174RP-25 | 27.72 | 26.06 | 24.39 | CALL |



CCSC316



CCSM188A



CC223T



CC213



CC58RP



CC174RP

Tip *What is Low Loss cable?*

The term low loss refers to the cables relative low attenuation (loss) over distance. The main difference between standard RG cable and low loss coaxial cable is the shielding. Low loss cable has far better shielding than typical RG

style cable thus achieving better low loss characteristics. Additionally, low loss coaxial cables use solid center conductors which offer lower attenuation than stranded conductors that are sometimes found on RG style cables. Low loss coaxial cables are typically used in WLAN, Cellular, PCS, ISM and many other wireless applications.

| Low Loss Attenuation Comparison | | |
|---------------------------------|------|----------|
| Cable | MHz | db/100ft |
| RG213/U | 2500 | 14.9 |
| 400 Series | 2500 | 6.8 |

50 Ohm Low Loss Series Coax Pigtaills

1.13mm Series Low Loss Coaxial Pigtaills

| Connectors | Type | Cable Dia. | Length | Item # | 1-9 | 10-24 | 25-99 | 100+ |
|--------------------------------------|---|--------------------|---------------|---------------|-------|-------|-------|------|
| U.FL/Type N Female Bulkhead | 1.13mm Mini Pigtaills - Black Center Conductor: Silver plated copper Min. Bend Radius: 0.50" (12mm) Jacket: FEP Operating Temp.: -55°C - +200°C | .105in. (2.7mm) | 7.9" (20cm) | CA-UFLNBQC20 | 18.60 | 17.11 | 15.62 | CALL |
| U.FL/Type N Male | | | 7.9" (20cm) | CA-UFLNMQC20 | 18.60 | 17.11 | 15.62 | CALL |
| U.FL/Rev. Polarity SMA Jack Bulkhead | | | 7.9" (20cm) | CA-UFLRSBQC20 | 18.60 | 17.11 | 15.62 | CALL |
| U.FL/SMA Female Bulkhead | | | 7.9" (20cm) | CA-UFLSBQC20 | 18.60 | 17.11 | 15.62 | CALL |
| U.FL/Unterminated | | | 10.0ft (3.0m) | CA-UFLQ010 | 19.64 | 18.07 | 16.49 | CALL |
| | | | 7.9" (20cm) | CA-UFLQC20 | 14.46 | 13.30 | 12.14 | CALL |

100 Series Low Loss Coaxial Pigtaills

| Connectors | Type | Cable Dia. | Length | Item # | 1-9 | 10-24 | 25-99 | 100+ |
|---|--|--------------------|---------------|-----------------|--------------|----------------|-------|-------|
| AIProx/Type N Female Bulkhead | 100 Series - Black Center Conductor: Solid bare copper covered steel Min. Bend Radius: 0.25" (6.4mm) Jacket: PVC Operating Temp.: -20°C - +60°C | .105in. (2.7mm) | 19" (48.3cm) | CA-AMNFBNC19 | 10.62 | 9.56 | 8.50 | CALL |
| AIProx/Type N Female | | | 19" (48.3cm) | CA-AMNFCN19 | 10.36 | 9.33 | 8.29 | CALL |
| AIProx/Type N Male | | | 1.5m | CA-AMNMC1M5 | 18.44 | 16.60 | 14.76 | CALL |
| | | | 2.5m | CA-AMNMC2M5 | 19.95 | 17.95 | 15.96 | CALL |
| | | | 19" (48.3cm) | CA-AMNMCN19 | 16.79 | 15.11 | 13.43 | CALL |
| FME Plug/Reverse Polarity SMA Plug | 100 Series - Black (see above for specs) | .105in. (2.7mm) | 19" (48.3cm) | CA-RSPFMEPCN19 | 16.79 | 15.78 | 14.77 | CALL |
| FME Plug/Reverse Polarity TNC Plug | | | 19" (48.3cm) | CA-RTPFMEPCN19 | 16.79 | 15.78 | 14.77 | CALL |
| FME Plug/FME Jack | | | 19" (48.3cm) | CA-FMEPFMEJCN19 | 20.46 | 18.42 | 16.37 | CALL |
| MC Card/Type N Female | 100 Series - Black (see above for specs) | .105in. (2.7mm) | 19" (48.3cm) | CA-MCNFCN19 | 11.19 | 10.07 | 8.95 | CALL |
| MC Card/Type N Male | | | 1.5m | CA-MCNMC1M5 | 11.19 | 10.07 | 8.95 | CALL |
| MC Card/Reverse Polarity TNC Plug | | | 19" (48.3cm) | CA-MCNMCN19 | 8.96 | 8.07 | 7.17 | CALL |
| MC Card/Reverse Polarity TNC Plug | | | 19" (48.3cm) | CA-MCRTPCN19 | 11.19 | 10.07 | 8.95 | CALL |
| MC Card/Type N Male | 100 Series - White | .105in. | 19" (48.3cm) | CA-MCNMDN19 | 14.56 | 13.10 | 11.65 | CALL |
| MMCX/Type N Female Bulkhead | 100 Series - Black (see above for specs) | .105in. (2.7mm) | 19" (48.3cm) | CA-MMNFBNC19 | 22.38 | 20.14 | 17.91 | CALL |
| MMCX/Type N Female | | | 19" (48.3cm) | CA-MMNFNCN19 | 16.79 | 15.11 | 13.43 | CALL |
| MMCX/Type N Male | | | 19" (48.3cm) | CA-MMNMCN19 | 11.76 | 10.58 | 9.41 | CALL |
| MMCX Straight/Type N Male | | | 19" (48.3cm) | CA-MMSNMCN19 | 22.38 | 20.14 | 17.91 | CALL |
| MCX/Type N Female | 100 Series - Black (see above for specs) | .105in. (2.7mm) | 19" (48.3cm) | CA-MPNFCN19 | 16.79 | 15.11 | 13.43 | CALL |
| MCX/Type N Male | | | 19" (48.3cm) | CA-MPNMCN19 | 16.79 | 15.11 | 13.43 | CALL |
| MCX Plug Right Angle/Type N Male | | | 19" (48.3cm) | CA-MPRNMCN19 | 16.79 | 15.11 | 13.43 | CALL |
| Reverse Polarity MMCX Plug/ Type N Female Bulkhead | 100 Series - Black (see above for specs) | .105in. (2.7mm) | 19" (48.3cm) | CA-RMMNFBNC19 | 21.24 | 19.12 | 16.99 | CALL |
| Reverse Polarity MMCX/Type N Female | | | 19" (48.3cm) | CA-RMMNFCN19 | 16.79 | 15.11 | 13.43 | CALL |
| Reverse Polarity MMCX/Type N Male | | | 19" (48.3cm) | CA-RMMNMCN19 | 11.19 | 10.07 | 8.95 | CALL |
| QMA Plug/QMA Jack Bulkhead | 100 Series - Black (see above for specs) | .105in. (2.7mm) | 19" (48.3cm) | CA-OPQJBCN19 | 25.75 | 24.20 | 22.66 | CALL |
| QMA Plug/QMA Plug | | | 19" (48.3cm) | CA-OPQPCN19 | 25.75 | 24.20 | 22.66 | CALL |
| Reverse Polarity TNC Plug/Reverse Polarity TNC Jack Bulkhead | 100 Series - Black (see above for specs) | .105in. (2.7mm) | 19" (48.3cm) | CA-RTPRTJBCN19 | 17.93 | 16.85 | 15.78 | CALL |
| Reverse Polarity TNC Plug/Reverse Polarity SMA Plug Right Angle | | | 19" (48.3cm) | CA-RTPRSPRCN19 | 16.79 | 15.78 | 14.77 | CALL |
| Reverse Polarity TNC Plug/Type N Female Bulkhead | | | 19" (48.3cm) | CA-RTPNFBCN19 | 19.01 | 17.87 | 16.73 | CALL |
| Reverse Polarity TNC Plug/ Type N Male | | | 19" (48.3cm) | CA-RTPNMCN19 | 16.79 | 15.78 | 14.77 | CALL |
| Reverse Polarity SMA Plug/ Reverse Polarity TNC Plug | | | 19" (48.3cm) | CA-RSPRTPCN19 | 16.79 | 15.78 | 14.77 | CALL |
| Reverse Polarity SMA Plug/ Reverse Polarity TNC Jack Bulkhead | | | 19" (48.3cm) | CA-RSPRTJBCN19 | 17.93 | 16.85 | 15.78 | CALL |
| Reverse Polarity SMA Plug/ Reverse Polarity SMA Jack Bulkhead | 100 Series - Black (see above for specs) | .105in. (2.7mm) | 19" (48.3cm) | CA-RSPRSJBCN19 | 16.79 | 15.78 | 14.77 | CALL |
| Reverse Polarity SMA Plug/ Reverse Polarity SMA Plug | | | 19" (48.3cm) | CA-RSPRSPCN19 | 16.79 | 15.78 | 14.77 | CALL |
| Reverse Polarity SMA Plug/ Reverse Polarity SMA Plug Right Angle | | | 19" (48.3cm) | CA-RSPRSPRCN19 | 17.93 | 16.85 | 15.78 | CALL |
| Reverse Polarity SMA Plug/ Type N Male | | | 19" (48.3cm) | CA-RSPNMCN19 | 16.79 | 15.78 | 14.77 | CALL |
| Reverse Polarity SMA Plug/ Type N Female Bulkhead | | | 19" (48.3cm) | CA-RSPNFBCN19 | 19.01 | 17.87 | 16.73 | CALL |
| | | | | | 12" (30.5cm) | CA-SBPSBSJCN12 | 16.27 | 15.29 |
| SMB Plug Right Angle/SMB Jack | 100 Series - Black (see above for specs) | .105in. (2.7mm) | 24" (61cm) | CA-SBPSBSJCN24 | 17.36 | 16.31 | 15.27 | CALL |
| | | | 30" (76.2cm) | CA-SBPSBSJCN30 | 17.93 | 16.85 | 15.78 | CALL |
| | | | 36" (91.4cm) | CA-SBPSBSJCN36 | 18.50 | 17.39 | 16.28 | CALL |
| | | | 48" (121.9cm) | CA-SBPSBSJCN48 | 19.58 | 18.41 | 17.23 | CALL |
| SMB Plug/SMB Jack | 100 Series - Black (see above for specs) | .105in. (2.7mm) | 12" (30.5cm) | CA-SBPSBSJCN12 | 16.27 | 15.29 | 14.32 | CALL |
| | | | 24" (61cm) | CA-SBPSBSJCN24 | 17.36 | 16.31 | 15.27 | CALL |
| | | | 30" (76.2cm) | CA-SBPSBSJCN30 | 17.93 | 16.85 | 15.78 | CALL |
| | | | 36" (91.4cm) | CA-SBPSBSJCN36 | 18.50 | 17.39 | 16.28 | CALL |
| | | | 48" (121.9cm) | CA-SBPSBSJCN48 | 19.58 | 18.41 | 17.23 | CALL |

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100 Series Low Loss Coaxial Pigtails

| Connectors | Type | Cable Dia. | Length | Item # | 1-9 | 10-24 | 25-99 | 100+ |
|---------------------------------------|---|--------------------|---------------|-----------------|-------|-------|-------|------|
| SMB Plug Rt. Angle/SMB Plug Rt. Angle | 100 Series - Black Center Conductor: Solid bare copper covered steel Min. Bend Radius: 0.25" (6.4mm) Jacket: PVC | .105in. (2.7mm) | 12" (30.5cm) | CA-SBPRSBCPCN12 | 16.27 | 15.29 | 14.32 | CALL |
| | | | 18" (45.7cm) | CA-SBPRSBCPCN18 | 16.79 | 15.78 | 14.77 | CALL |
| | | | 24" (61cm) | CA-SBPRSBCPCN24 | 17.36 | 16.31 | 15.27 | CALL |
| | | | 30" (76.2cm) | CA-SBPRSBCPCN30 | 17.93 | 16.85 | 15.78 | CALL |
| | | | 36" (91.4cm) | CA-SBPRSBCPCN36 | 18.50 | 17.39 | 16.28 | CALL |
| SMB Plug/SMB Plug Right Angle | 100 Series - Black (see above for specs) | .105in. (2.7mm) | 48" (121.9cm) | CA-SBPRSBCPCN48 | 19.58 | 18.41 | 17.23 | CALL |
| | | | 12" (30.5cm) | CA-SBPSBPCN12 | 16.27 | 15.29 | 14.32 | CALL |
| | | | 18" (45.7cm) | CA-SBPSBPCN18 | 16.79 | 15.78 | 14.77 | CALL |
| | | | 24" (61cm) | CA-SBPSBPCN24 | 17.36 | 16.31 | 15.27 | CALL |
| | | | 30" (76.2cm) | CA-SBPSBPCN30 | 17.93 | 16.85 | 15.78 | CALL |
| S/E Type 237 Plug/Type N Male | 100 Series - Black (see above for specs) | .105in. (2.7mm) | 36" (91.4cm) | CA-SBPSBPCN36 | 18.50 | 17.39 | 16.28 | CALL |
| | | | 48" (121.9cm) | CA-SBPSBPCN48 | 19.58 | 18.41 | 17.23 | CALL |
| | | | 19" (48.3cm) | CA-SEPNCN19 | 16.79 | 15.78 | 14.77 | CALL |
| S/E Type 237 Plug/RP SMA Jack | 100 Series - Black (see above for specs) | .105in. (2.7mm) | 19" (48.3cm) | CA-SEPRJCN19 | 16.79 | 15.78 | 14.77 | CALL |
| S/E Type 237 Plug/SMA Female | | | 19" (48.3cm) | CA-SEPSFCN19 | 16.79 | 15.78 | 14.77 | CALL |
| SMA Nano Plug/TNC Female Bulkhead | | | 19" (48.3cm) | CA-SNPTFCN19 | 16.79 | 15.78 | 14.77 | CALL |
| SMA Nano Plug/TNC Female | 100 Series - Black (see above for specs) | .105in. (2.7mm) | 19" (48.3cm) | CA-SNPTFCN19 | 16.79 | 15.78 | 14.77 | CALL |
| SMA Nano RA Plug/Type N Female | | | 19" (48.3cm) | CA-SNPNCN19 | 16.79 | 15.78 | 14.77 | CALL |

BNC Male Right Angle/BNC Male

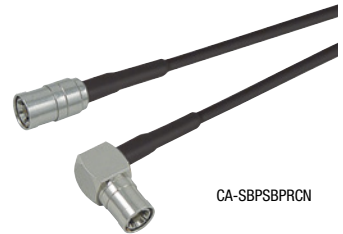
| Type | Cable Dia. | Length | Item # | 1-9 | 10-24 | 25-99 | 100+ |
|---|---------------------|---------------|--------------|-------|-------|-------|------|
| 195-Series Center Conductor: Solid bare copper Min. Bend Radius: 0.50" (12.7mm) Jacket: Polyvinyl Chloride (CMP Grade for Plenum Rated) Operating Temperature: -20°C - +60°C | .195 in. (5.0mm) | 2.0ft (0.6m) | CA-BMRBMA002 | 26.94 | 24.25 | 21.55 | CALL |
| | | 4.0ft (1.2m) | CA-BMRBMA004 | 27.98 | 25.18 | 22.38 | CALL |
| | | 10.0ft (3.0m) | CA-BMRBMA010 | 31.09 | 27.98 | 24.87 | CALL |
| | | 20.0ft (6.1m) | CA-BMRBMA020 | 36.27 | 32.64 | 29.01 | CALL |

BNC Male Right Angle/BNC Male Right Angle

| Type | Cable Dia. | Length | Item # | 1-9 | 10-24 | 25-99 | 100+ |
|---|---------------------|---------------|---------------|-------|-------|-------|------|
| 195-Series Center Conductor: Solid bare copper Min. Bend Radius: 0.50" (12.7mm) Jacket: Polyvinyl Chloride (CMP Grade for Plenum Rated) Operating Temperature: -20°C - +60°C | .195 in. (5.0mm) | 2.0ft (0.6m) | CA-BMRBMRA002 | 26.94 | 24.25 | 21.55 | CALL |
| | | 4.0ft (1.2m) | CA-BMRBMRA004 | 27.98 | 25.18 | 22.38 | CALL |
| | | 10.0ft (3.0m) | CA-BMRBMRA010 | 31.09 | 27.98 | 24.87 | CALL |
| | | 20.0ft (6.1m) | CA-BMRBMRA020 | 36.27 | 32.64 | 29.01 | CALL |

Type N Male/Type N Male

| Type | Cable Dia. | Length | Item # | 1-9 | 10-24 | 25-99 | 100+ |
|---|----------------------|-----------------|--------------|---------|--------|--------|------|
| 195-Series Center Conductor: Solid bare copper Min. Bend Radius: 0.50" (12.7mm) Jacket: Polyvinyl Chloride (CMP Grade for Plenum Rated) Operating Temperature: -20°C - +60°C | .195 in. (5.0mm) | 2.0ft (0.6m) | CA-NMNMMA002 | 15.54 | 13.99 | 12.43 | CALL |
| | | 4.0ft (1.2m) | CA-NMNMMA004 | 16.58 | 14.92 | 13.26 | CALL |
| | | 10.0ft (3.0m) | CA-NMNMMA010 | 19.69 | 17.72 | 15.75 | CALL |
| | | 20.0ft (6.1m) | CA-NMNMMA020 | 24.87 | 22.38 | 19.90 | CALL |
| | | | | | | | |
| 200-Series Center Conductor: Solid copper Min. Bend Radius: 0.50" (12.7mm) Jacket: Polyethylene Operating Temperature: -40°C - +80°C | .195 in. (5.0mm) | 2.0ft (0.6m) | CA-NMNMME002 | 19.79 | 17.81 | 15.83 | CALL |
| | | 4.0ft (1.2m) | CA-NMNMME004 | 20.93 | 18.84 | 16.74 | CALL |
| | | 10.0ft (3.0m) | CA-NMNMME010 | 24.35 | 21.92 | 19.48 | CALL |
| | | 20.0ft (6.1m) | CA-NMNMME020 | 30.05 | 27.04 | 24.04 | CALL |
| | | 50.0ft (15.2m) | CA-NMNMME050 | 47.15 | 42.43 | 37.72 | CALL |
| 240-Series Center Conductor: Solid copper Min. Bend Radius: 0.75" (19.1mm) Jacket: Polyethylene Operating Temperature: -40°C - +80°C | .240 in. (6.1mm) | 2.0ft (0.6m) | CA-NMNMTO02 | 19.95 | 17.95 | 15.96 | CALL |
| | | 4.0ft (1.2m) | CA-NMNMTO04 | 21.29 | 19.16 | 17.04 | CALL |
| | | 10.0ft (3.0m) | CA-NMNMTO10 | 25.34 | 22.80 | 20.27 | CALL |
| | | 20.0ft (6.1m) | CA-NMNMTO20 | 32.07 | 28.86 | 25.66 | CALL |
| | | | | | | | |
| 400-Series Center Conductor: Copper clad aluminum Min. Bend Radius: 1.0" (25.4mm) Jacket: Polyethylene Operating Temperature: -40°C - +80°C | .405 in. (10.3mm) | 2.0ft (0.6m) | CA3N002 | 22.54 | 20.28 | 18.03 | CALL |
| | | 10.0ft (3.0m) | CA3N010 | 28.75 | 25.88 | 23.00 | CALL |
| | | 20.0ft (6.1m) | CA3N020 | 36.53 | 32.87 | 29.22 | CALL |
| | | 25.0ft (7.6m) | CA3N025 | 40.41 | 36.37 | 32.33 | CALL |
| | | 30.0ft (9.0m) | CA3N030 | 44.30 | 39.87 | 35.44 | CALL |
| | | 40.0ft (12.0m) | CA3N040 | 52.07 | 46.86 | 41.66 | CALL |
| | | 50.0ft (15.2m) | CA3N050 | 59.84 | 53.86 | 47.87 | CALL |
| | | 75.0ft (22.9m) | CA3N075 | 85.75 | 77.17 | 68.60 | CALL |
| | | 100.0ft (30.5m) | CA3N100 | 111.65 | 100.49 | 89.32 | CALL |
| | | | | | | | |
| 400UF-Series Ultra Flex Center Conductor: Stranded bare copper Min. Bend Radius: 1.0" (25.4mm) Jacket: Black Thermoplastic Elastomer Operating Temperature: -40°C - +85°C | .405 in. (10.3mm) | 5.0ft (1.5m) | CA-NMNMH005 | 22.90 | 21.53 | 20.15 | CALL |
| | | 10.0ft (3.0m) | CA-NMNMH010 | 29.12 | 27.37 | 25.62 | CALL |
| | | 15.0ft (4.6m) | CA-NMNMH015 | 35.33 | 33.21 | 31.09 | CALL |
| | | 25.0ft (7.6m) | CA-NMNMH025 | 47.77 | 44.90 | 42.04 | CALL |
| | | 50.0ft (15.2m) | CA-NMNMH050 | 78.85 | 74.12 | 69.39 | CALL |
| | | 75.0ft (22.9m) | CA-NMNMH075 | 109.94 | 103.34 | 96.75 | CALL |
| | | 10.0ft (3.0m) | CA-6NMNM010 | 41.97 | 38.61 | 35.25 | CALL |
| | | 25.0ft (7.6m) | CA-6NMNM025 | 69.17 | 63.63 | 58.10 | CALL |
| | | 50.0ft (15.2m) | CA-6NMNM050 | 114.50 | 105.34 | 96.18 | CALL |
| | | 75.0ft (22.9m) | CA-6NMNM075 | 159.83 | 147.05 | 134.26 | CALL |
| 600-Series Center Conductor: Solid copper Min. Bend Radius: 1.50" (38.1mm) Jacket: Polyethylene Operating Temperature: -40°C - +80°C | .590 in. (15.0mm) | 100.0ft (30.5m) | CA-6NMNM100 | 215.53 | 198.29 | 181.04 | CALL |
| | | 125.0ft (38.1m) | CA-6NMNM125 | 260.86 | 239.99 | 219.13 | CALL |
| | | 150.0ft (45.7m) | CA-6NMNM150 | 309.31 | 284.56 | 259.82 | CALL |
| | | 200.0ft (60.1m) | CA-6NMNM200 | 396.86 | 365.12 | 333.37 | CALL |
| | | 250.0ft (75.3m) | CA-6NMNM250 | 487.53 | 448.53 | 409.53 | CALL |
| | | 25.0ft (7.6m) | CA-9NMNM025 | 691.66 | 636.33 | 581.00 | CALL |
| | | 50.0ft (15.2m) | CA-9NMNM050 | 813.42 | 748.34 | 683.27 | CALL |
| 900-Series Center Conductor: BC Tube Min. Bend Radius: 3.0" (76.2mm) Jacket: Polyethylene Operating Temperature: -40°C - +85°C | .870 in. (22.1mm) | 75.0ft (22.9m) | CA-9NMNM075 | 935.17 | 860.36 | 785.54 | CALL |
| | | 100.0ft (30.5m) | CA-9NMNM100 | 1056.92 | 972.37 | 887.82 | CALL |



CA-SBPSBPCN



CA-BMRBMA



CA-BMRBMRA



CA-NMNMMA



CA-6NMNM



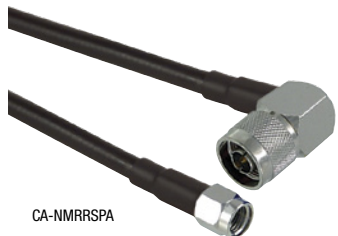
CA-NMRNMF



CA-NMNF



CA-6NMNF



CA-NMRRSPA



CA-NMRRSJA

Type N Male Right Angle/Type N Male

| Type | Cable Dia. | Length | Item # | 1-9 | 10-24 | 25-99 | 100+ |
|---|----------------------|----------------|--------------|-------|-------|-------|------|
| 195-Series Center Conductor: Solid bare copper Min. Bend Radius: 0.50" (12.7mm) Jacket: Polyvinyl Chloride (CMP Grade for Plenum Rated) Operating Temperature: -20°C - +60°C | .195 in. (5.0mm) | 2.0ft (0.6m) | CA-NMRNMA002 | 33.68 | 30.31 | 26.94 | CALL |
| | | 4.0ft (1.2m) | CA-NMRNMA004 | 34.71 | 31.24 | 27.77 | CALL |
| | | 10.0ft (3.0m) | CA-NMRNMA010 | 37.82 | 34.04 | 30.26 | CALL |
| | | 20.0ft (6.1m) | CA-NMRNMA020 | 43.00 | 38.70 | 34.40 | CALL |
| 400-Series Center Conductor: Copper clad aluminum Min. Bend Radius: 1.0" (25.4mm) Jacket: Polyethylene Operating Temperature: -40°C - +80°C | .405 in. (10.3mm) | 2.0ft (0.6m) | CA-NMRNMF002 | 21.50 | 19.35 | 17.20 | CALL |
| | | 10.0ft (3.0m) | CA-NMRNMF010 | 27.72 | 24.95 | 22.17 | CALL |
| | | 25.0ft (7.6m) | CA-NMRNMF025 | 39.38 | 35.44 | 31.50 | CALL |
| | | 50.0ft (15.2m) | CA-NMRNMF050 | 58.80 | 52.92 | 47.04 | CALL |

Type N Male/Type N Female

| Type | Cable Dia. | Length | Item # | 1-9 | 10-24 | 25-99 | 100+ |
|---|----------------------|-----------------|-------------|---------|--------|--------|------|
| 195-Series Center Conductor: Solid bare copper Min. Bend Radius: 0.50" (12.7mm) Jacket: Polyvinyl Chloride (CMP Grade for Plenum Rated) Operating Temperature: -20°C - +60°C | .195 in. (5.0mm) | 2.0ft (0.6m) | CA-NMNF002 | 16.06 | 14.45 | 12.85 | CALL |
| | | 4.0ft (1.2m) | CA-NMNF004 | 17.10 | 15.39 | 13.68 | CALL |
| | | 10.0ft (3.0m) | CA-NMNF010 | 20.21 | 18.19 | 16.16 | CALL |
| | | 20.0ft (6.1m) | CA-NMNF020 | 25.39 | 22.85 | 20.31 | CALL |
| 200-Series Center Conductor: Solid copper Min. Bend Radius: 0.50" (12.7mm) Jacket: Polyethylene Operating Temperature: -40°C - +80°C | .195 in. (5.0mm) | 2.0ft (0.6m) | CA-NMNF002 | 19.79 | 17.81 | 15.83 | CALL |
| | | 4.0ft (1.2m) | CA-NMNF004 | 20.93 | 18.84 | 16.74 | CALL |
| | | 10.0ft (3.0m) | CA-NMNF010 | 24.35 | 21.92 | 19.48 | CALL |
| | | 20.0ft (6.1m) | CA-NMNF020 | 30.05 | 27.04 | 24.04 | CALL |
| 240-Series Center Conductor: Solid copper Min. Bend Radius: 0.75" (19.1mm) Jacket: Polyethylene Operating Temperature: -40°C - +80°C | .240 in. (6.1mm) | 2.0ft (0.6m) | CA-NMNF002 | 19.95 | 17.95 | 15.96 | CALL |
| | | 4.0ft (1.2m) | CA-NMNF004 | 21.29 | 19.16 | 17.04 | CALL |
| | | 10.0ft (3.0m) | CA-NMNF010 | 25.34 | 22.80 | 20.27 | CALL |
| | | 20.0ft (6.1m) | CA-NMNF020 | 32.07 | 28.86 | 25.66 | CALL |
| 400-Series Center Conductor: Copper clad aluminum Min. Bend Radius: 1.0" (25.4mm) Jacket: Polyethylene Operating Temperature: -40°C - +80°C | .405 in. (10.3mm) | 2.0ft (0.6m) | CA4N002 | 22.80 | 20.52 | 18.24 | CALL |
| | | 10.0ft (3.0m) | CA4N010 | 29.01 | 26.11 | 23.21 | CALL |
| | | 20.0ft (6.1m) | CA4N020 | 36.79 | 33.11 | 29.43 | CALL |
| | | 25.0ft (7.6m) | CA4N025 | 40.67 | 36.60 | 32.54 | CALL |
| | | 50.0ft (15.2m) | CA4N050 | 60.10 | 54.09 | 48.08 | CALL |
| | | 100.0ft (30.5m) | CA4N100 | 111.91 | 100.72 | 89.53 | CALL |
| | | 5.0ft (1.5m) | CA-NMNFH005 | 22.38 | 21.04 | 19.70 | CALL |
| | | 10.0ft (3.0m) | CA-NMNFH010 | 28.60 | 26.88 | 25.17 | CALL |
| 400UF-Series Ultra Flex Center Conductor: Stranded bare copper Min. Bend Radius: 1.0" (25.4mm) Jacket: Black Thermoplastic Elastomer Operating Temperature: -40°C - +85°C | .405 in. (10.3mm) | 15.0ft (4.6m) | CA-NMNFH015 | 34.82 | 32.73 | 30.64 | CALL |
| | | 25.0ft (7.6m) | CA-NMNFH025 | 47.25 | 44.42 | 41.58 | CALL |
| | | 50.0ft (15.2m) | CA-NMNFH050 | 78.34 | 73.64 | 68.94 | CALL |
| | | 75.0ft (22.9m) | CA-NMNFH075 | 109.42 | 102.86 | 96.29 | CALL |
| | | 100.0ft (30.5m) | CA-NMNFH100 | 140.51 | 132.08 | 123.65 | CALL |
| | | 25.0ft (7.6m) | CA-6NMNF025 | 69.17 | 63.63 | 58.10 | CALL |
| | | 50.0ft (15.2m) | CA-6NMNF050 | 114.50 | 105.34 | 96.18 | CALL |
| | | 75.0ft (22.9m) | CA-6NMNF075 | 159.83 | 147.05 | 134.26 | CALL |
| 600-Series Center Conductor: Solid copper Min. Bend Radius: 1.50" (38.1mm) Jacket: Polyethylene Operating Temperature: -40°C - +80°C | .590 in. (15.0mm) | 100.0ft (30.5m) | CA-6NMNF100 | 215.53 | 198.29 | 181.04 | CALL |
| | | 150.0ft (45.7m) | CA-6NMNF150 | 306.20 | 281.70 | 257.21 | CALL |
| | | 200.0ft (60.1m) | CA-6NMNF200 | 396.86 | 365.12 | 333.37 | CALL |
| | | 25.0ft (7.6m) | CA-9NMNF025 | 691.66 | 636.33 | 581.00 | CALL |
| | | 50.0ft (15.2m) | CA-9NMNF050 | 813.42 | 748.34 | 683.27 | CALL |
| 900-Series Center Conductor: BC Tube Min. Bend Radius: 3.0" (76.2mm) Jacket: Polyethylene Operating Temperature: -40°C - +85°C | .870 in. (22.1mm) | 75.0ft (22.9m) | CA-9NMNF075 | 935.17 | 860.36 | 785.54 | CALL |
| | | 100.0ft (30.5m) | CA-9NMNF100 | 1056.92 | 972.37 | 887.82 | CALL |

Type N Male Right Angle/Reverse Polarity SMA Plug

| Type | Cable Dia. | Length | Item # | 1-9 | 10-24 | 25-99 | 100+ |
|---|---------------------|---------------|---------------|-------|-------|-------|------|
| 195-Series Center Conductor: Solid bare copper Min. Bend Radius: 0.50" (12.7mm) Jacket: Polyvinyl Chloride (CMP Grade for Plenum Rated) Operating Temperature: -20°C - +60°C | .195 in. (5.0mm) | 2.0ft (0.6m) | CA-NMRRSPA002 | 31.09 | 27.98 | 24.87 | CALL |
| | | 4.0ft (1.2m) | CA-NMRRSPA004 | 32.12 | 28.91 | 25.70 | CALL |
| | | 10.0ft (3.0m) | CA-NMRRSPA010 | 35.23 | 31.71 | 28.18 | CALL |
| | | 20.0ft (6.1m) | CA-NMRRSPA020 | 40.41 | 36.37 | 32.33 | CALL |

Type N Male Right Angle/Reverse Polarity SMA Jack

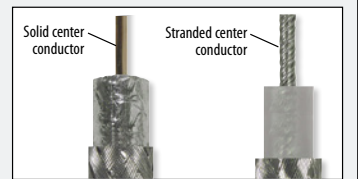
| Type | Cable Dia. | Length | Item # | 1-9 | 10-24 | 25-99 | 100+ |
|---|---------------------|---------------|---------------|-------|-------|-------|------|
| 195-Series Center Conductor: Solid bare copper Min. Bend Radius: 0.50" (12.7mm) Jacket: Polyvinyl Chloride (CMP Grade for Plenum Rated) Operating Temperature: -20°C - +60°C | .195 in. (5.0mm) | 2.0ft (0.6m) | CA-NMRRSJA002 | 28.24 | 25.41 | 22.59 | CALL |
| | | 4.0ft (1.2m) | CA-NMRRSJA004 | 29.27 | 26.35 | 23.42 | CALL |
| | | 10.0ft (3.0m) | CA-NMRRSJA010 | 32.38 | 29.14 | 25.91 | CALL |
| | | 20.0ft (6.1m) | CA-NMRRSJA020 | 37.56 | 33.81 | 30.05 | CALL |

Tip Solid vs stranded center conductors

In coaxial cable there is a trade off in center conductor construction. A solid center conductor will give the best attenuation performance but will be somewhat stiff, while a stranded center conductor will be more flexible but have slightly higher attenuation.

Online Video

L-com.com/Videos/A19



Type N Male Right Angle/SMA Male

| Type | Cable Dia. | Length | Item # | 1-9 | 10-24 | 25-99 | 100+ |
|---|---------------------|---------------|--------------|-------|-------|-------|------|
| 195-Series Center Conductor: Solid bare copper Min. Bend Radius: 0.50" (12.7mm) Jacket: Polyvinyl Chloride (CMP Grade for Plenum Rated) Operating Temperature: -20°C - +60°C | .195 in. (5.0mm) | 2.0ft (0.6m) | CA-NMRSMA002 | 14.51 | 13.06 | 11.61 | CALL |
| | | 4.0ft (1.2m) | CA-NMRSMA004 | 15.54 | 13.99 | 12.43 | CALL |
| | | 10.0ft (3.0m) | CA-NMRSMA010 | 18.65 | 16.79 | 14.92 | CALL |
| | | 20.0ft (6.1m) | CA-NMRSMA020 | 23.83 | 21.45 | 19.07 | CALL |

Type N Male Right Angle/TNC Male

| Type | Cable Dia. | Length | Item # | 1-9 | 10-24 | 25-99 | 100+ |
|---|---------------------|---------------|--------------|-------|-------|-------|------|
| 195-Series Center Conductor: Solid bare copper Min. Bend Radius: 0.50" (12.7mm) Jacket: Polyvinyl Chloride (CMP Grade for Plenum Rated) Operating Temperature: -20°C - +60°C | .195 in. (5.0mm) | 2.0ft (0.6m) | CA-NMRTMA002 | 18.65 | 16.79 | 14.92 | CALL |
| | | 4.0ft (1.2m) | CA-NMRTMA004 | 19.69 | 17.72 | 15.75 | CALL |
| | | 10.0ft (3.0m) | CA-NMRTMA010 | 22.80 | 20.52 | 18.24 | CALL |
| | | 20.0ft (6.1m) | CA-NMRTMA020 | 27.98 | 25.18 | 22.38 | CALL |

Reverse Polarity BNC Plug/Type N Male

| Type | Cable Dia. | Length | Item # | 1-9 | 10-24 | 25-99 | 100+ |
|---|---------------------|---------------|--------------|-------|-------|-------|------|
| 195-Series Center Conductor: Solid bare copper Min. Bend Radius: 0.50" (12.7mm) Jacket: Polyvinyl Chloride (CMP Grade for Plenum Rated) Operating Temperature: -20°C - +60°C | .195 in. (5.0mm) | 2.0ft (0.6m) | CA-RBPNMA002 | 20.21 | 18.19 | 16.16 | CALL |
| | | 4.0ft (1.2m) | CA-RBPNMA004 | 21.24 | 19.12 | 16.99 | CALL |
| | | 10.0ft (3.0m) | CA-RBPNMA010 | 24.35 | 21.92 | 19.48 | CALL |
| | | 20.0ft (6.1m) | CA-RBPNMA020 | 29.53 | 26.58 | 23.63 | CALL |

Reverse Polarity SMA Plug/Type N Male

| Type | Cable Dia. | Length | Item # | 1-9 | 10-24 | 25-99 | 100+ |
|---|----------------------|-----------------|--------------|--------|--------|--------|------|
| 195-Series Center Conductor: Solid bare copper Min. Bend Radius: 0.50" (12.7mm) Jacket: Polyvinyl Chloride (CMP Grade for Plenum Rated) Operating Temperature: -20°C - +60°C | .195 in. (5.0mm) | 2.0ft (0.6m) | CA-RSPNMA002 | 16.58 | 14.92 | 13.26 | CALL |
| | | 4.0ft (1.2m) | CA-RSPNMA004 | 17.62 | 15.85 | 14.09 | CALL |
| | | 10.0ft (3.0m) | CA-RSPNMA010 | 20.72 | 18.65 | 16.58 | CALL |
| | | 20.0ft (6.1m) | CA-RSPNMA020 | 25.91 | 23.31 | 20.72 | CALL |
| 200-Series Center Conductor: Solid copper Min. Bend Radius: 0.50" (12.7mm) Jacket: Polyethylene Operating Temperature: -40°C - +80°C | .195 in. (5.0mm) | 2.0ft (0.6m) | CA-RSPNME002 | 18.76 | 16.88 | 15.00 | CALL |
| | | 4.0ft (1.2m) | CA-RSPNME004 | 19.89 | 17.91 | 15.92 | CALL |
| | | 10.0ft (3.0m) | CA-RSPNME010 | 23.31 | 20.98 | 18.65 | CALL |
| | | 20.0ft (6.1m) | CA-RSPNME020 | 29.01 | 26.11 | 23.21 | CALL |
| 400-Series Center Conductor: Copper clad aluminum Min. Bend Radius: 1.0" (25.4mm) Jacket: Polyethylene Operating Temperature: -40°C - +80°C | .405 in. (10.3mm) | 2.0ft (0.6m) | CA4NMRSF002 | 24.87 | 22.38 | 19.90 | CALL |
| | | 10.0ft (3.0m) | CA4NMRSF010 | 31.09 | 27.98 | 24.87 | CALL |
| | | 20.0ft (6.1m) | CA4NMRSF020 | 38.86 | 34.97 | 31.09 | CALL |
| | | 25.0ft (7.6m) | CA4NMRSF025 | 42.74 | 38.47 | 34.19 | CALL |
| | | 30.0ft (9.0m) | CA4NMRSF030 | 46.63 | 41.97 | 37.30 | CALL |
| | | 50.0ft (15.2m) | CA4NMRSF050 | 62.17 | 55.95 | 49.74 | CALL |
| 400UF-Series Center Conductor: Stranded bare copper Min. Bend Radius: 1.0" (25.4mm) Jacket: Black Thermoplastic Elastomer Operating Temperature: -40°C - +85°C | .405 in. (10.3mm) | 5.0ft (1.5m) | CA-NMRSPH005 | 20.05 | 18.85 | 17.64 | CALL |
| | | 10.0ft (3.0m) | CA-NMRSPH010 | 26.27 | 24.69 | 23.12 | CALL |
| | | 15.0ft (4.6m) | CA-NMRSPH015 | 32.48 | 30.54 | 28.59 | CALL |
| | | 25.0ft (7.6m) | CA-NMRSPH025 | 44.92 | 42.22 | 39.53 | CALL |
| | | 50.0ft (15.2m) | CA-NMRSPH050 | 76.01 | 71.44 | 66.88 | CALL |
| | | 75.0ft (22.9m) | CA-NMRSPH075 | 107.09 | 100.67 | 94.24 | CALL |
| | | 100.0ft (30.5m) | CA-NMRSPH100 | 138.18 | 129.89 | 121.60 | CALL |

Reverse Polarity SMA Plug/Type N Female

| Type | Cable Dia. | Length | Item # | 1-9 | 10-24 | 25-99 | 100+ |
|---|---------------------|---------------|--------------|-------|-------|-------|------|
| 195-Series Center Conductor: Solid bare copper Min. Bend Radius: 0.50" (12.7mm) Jacket: Polyvinyl Chloride (CMP Grade for Plenum Rated) Operating Temperature: -20°C - +60°C | .195 in. (5.0mm) | 2.0ft (0.6m) | CA-RSPNFA002 | 15.02 | 13.52 | 12.02 | CALL |
| | | 4.0ft (1.2m) | CA-RSPNFA004 | 16.06 | 14.45 | 12.85 | CALL |
| | | 10.0ft (3.0m) | CA-RSPNFA010 | 19.17 | 17.25 | 15.34 | CALL |
| | | 20.0ft (6.1m) | CA-RSPNFA020 | 24.35 | 21.92 | 19.48 | CALL |

Reverse Polarity SMA Plug/Type N Female Bulkhead

| Type | Cable Dia. | Length | Item # | 1-9 | 10-24 | 25-99 | 100+ |
|---|---------------------|---------------|--------------|-------|-------|-------|------|
| 195-Series Center Conductor: Solid bare copper Min. Bend Radius: 0.50" (12.7mm) Jacket: Polyvinyl Chloride (CMP Grade for Plenum Rated) Operating Temperature: -20°C - +60°C | .195 in. (5.0mm) | 2.0ft (0.6m) | CA-RSPNFB002 | 18.65 | 16.79 | 14.92 | CALL |
| | | 4.0ft (1.2m) | CA-RSPNFB004 | 19.69 | 17.72 | 15.75 | CALL |
| | | 10.0ft (3.0m) | CA-RSPNFB010 | 23.06 | 20.75 | 18.44 | CALL |
| | | 20.0ft (6.1m) | CA-RSPNFB020 | 28.24 | 25.41 | 22.59 | CALL |

Reverse Polarity SMA Plug/Reverse Polarity SMA Jack

| Type | Cable Dia. | Length | Item # | 1-9 | 10-24 | 25-99 | 100+ |
|---|---------------------|---------------|---------------|-------|-------|-------|------|
| 195-Series Center Conductor: Solid bare copper Min. Bend Radius: 0.50" (12.7mm) Jacket: Polyvinyl Chloride (CMP Grade for Plenum Rated) Operating Temperature: -20°C - +60°C | .195 in. (5.0mm) | 2.0ft (0.6m) | CA-RSPRSJA002 | 18.65 | 16.79 | 14.92 | CALL |
| | | 4.0ft (1.2m) | CA-RSPRSJA004 | 19.69 | 17.72 | 15.75 | CALL |
| | | 10.0ft (3.0m) | CA-RSPRSJA010 | 22.80 | 20.52 | 18.24 | CALL |
| | | 20.0ft (6.1m) | CA-RSPRSJA020 | 27.98 | 25.18 | 22.38 | CALL |

Reverse Polarity SMA Jack/Reverse Polarity TNC Plug

| Type | Cable Dia. | Length | Item # | 1-9 | 10-24 | 25-99 | 100+ |
|---|---------------------|---------------|---------------|-------|-------|-------|------|
| 195-Series Center Conductor: Solid bare copper Min. Bend Radius: 0.50" (12.7mm) Jacket: Polyvinyl Chloride (CMP Grade for Plenum Rated) Operating Temperature: -20°C - +60°C | .195 in. (5.0mm) | 2.0ft (0.6m) | CA-RSJRTPA002 | 17.62 | 15.85 | 14.09 | CALL |
| | | 4.0ft (1.2m) | CA-RSJRTPA004 | 18.65 | 16.79 | 14.92 | CALL |
| | | 10.0ft (3.0m) | CA-RSJRTPA010 | 21.76 | 19.58 | 17.41 | CALL |
| | | 20.0ft (6.1m) | CA-RSJRTPA020 | 26.94 | 24.25 | 21.55 | CALL |



CA-NMRSMA



CA-NMRTMA



CA-RBPNMA



CA4NMRSF



CA-RSPNFA



CA-RSPRSJA



CA-RSJRTPA

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CA-RTPNME



CA-6RTPNM



CA-RTPNFT



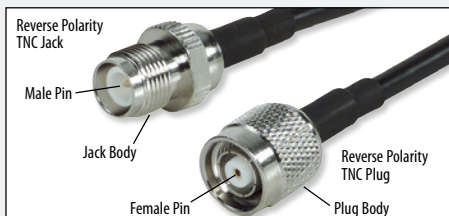
CA-RTPNFBA



CA-RTMRTF

Tip Identifying a reverse polarized connector

A reverse polarized coaxial connector alters a standard polarized connector interface by utilizing a male center pin in a jack body or a female center pin in a plug body. Reverse polarity connectors are sometimes used in an attempt to "key" connections so that incorrect connections are not possible. This also prevents mating with a standard non-polarized connector. Common reverse polarized interfaces are RP-SMA and RP-TNC.



Reverse Polarity TNC Plug/Type N Male

| Type | Cable Dia. | Length | Item # | 1-9 | 10-24 | 25-99 | 100+ |
|---|----------------------|-----------------|--------------|--------|--------|--------|------|
| 195-Series Center Conductor: Solid bare copper Min. Bend Radius: 0.50" (12.7mm) Jacket: Polyvinyl Chloride (CMP Grade for Plenum Rated) Operating Temperature: -20°C - +60°C | .195 in. (5.0mm) | 2.0ft (0.6m) | CA-RTPNMA002 | 11.40 | 10.26 | 9.12 | CALL |
| | | 4.0ft (1.2m) | CA-RTPNMA004 | 12.43 | 11.19 | 9.95 | CALL |
| | | 10.0ft (3.0m) | CA-RTPNMA010 | 15.54 | 13.99 | 12.43 | CALL |
| | | 20.0ft (6.1m) | CA-RTPNMA020 | 20.72 | 18.65 | 16.58 | CALL |
| 200-Series Center Conductor: Solid copper Min. Bend Radius: 0.50" (12.7mm) Jacket: Polyethylene Operating Temperature: -40°C - +80°C | .195 in. (5.0mm) | 2.0ft (0.6m) | CA-RTPNME002 | 18.76 | 16.88 | 15.00 | CALL |
| | | 4.0ft (1.2m) | CA-RTPNME004 | 19.89 | 17.91 | 15.92 | CALL |
| | | 10.0ft (3.0m) | CA-RTPNME010 | 23.31 | 20.98 | 18.65 | CALL |
| | | 20.0ft (6.1m) | CA-RTPNME020 | 29.01 | 26.11 | 23.21 | CALL |
| 240-Series Center Conductor: Solid copper Min. Bend Radius: 0.75" (19.1mm) Jacket: Polyethylene Operating Temperature: -40°C - +80°C | .240 in. (6.1mm) | 2.0ft (0.6m) | CA-RTPNMT002 | 18.91 | 17.02 | 15.13 | CALL |
| | | 4.0ft (1.2m) | CA-RTPNMT004 | 20.26 | 18.23 | 16.21 | CALL |
| | | 10.0ft (3.0m) | CA-RTPNMT010 | 24.30 | 21.87 | 19.44 | CALL |
| | | 20.0ft (6.1m) | CA-RTPNMT020 | 31.03 | 27.93 | 24.83 | CALL |
| 400-Series Center Conductor: Copper clad aluminum Min. Bend Radius: 1.0" (25.4mm) Jacket: Polyethylene Operating Temperature: -40°C - +80°C | .405 in. (10.3mm) | 2.0ft (0.6m) | CA4NMRTF002 | 24.87 | 22.38 | 19.90 | CALL |
| | | 10.0ft (3.0m) | CA4NMRTF010 | 31.09 | 27.98 | 24.87 | CALL |
| | | 20.0ft (6.1m) | CA4NMRTF020 | 38.86 | 34.97 | 31.09 | CALL |
| | | 25.0ft (7.6m) | CA4NMRTF025 | 42.74 | 38.47 | 34.19 | CALL |
| | | 50.0ft (15.2m) | CA4NMRTF050 | 62.17 | 55.95 | 49.74 | CALL |
| | | 100.0ft (30.5m) | CA4NMRTF100 | 113.98 | 102.58 | 91.19 | CALL |
| 400UF-Series Ultra Flex Center Conductor: Stranded bare copper Min. Bend Radius: 1.0" (25.4mm) Jacket: Black Thermoplastic Elastomer Operating Temperature: -40°C - +85°C | .405 in. (10.3mm) | 5.0ft (1.5m) | CA-NMRTPH005 | 25.08 | 23.57 | 22.07 | CALL |
| | | 10.0ft (3.0m) | CA-NMRTPH010 | 31.29 | 29.42 | 27.54 | CALL |
| | | 15.0ft (4.6m) | CA-NMRTPH015 | 37.51 | 35.26 | 33.01 | CALL |
| | | 25.0ft (7.6m) | CA-NMRTPH025 | 49.94 | 46.95 | 43.95 | CALL |
| | | 50.0ft (15.2m) | CA-NMRTPH050 | 81.03 | 76.17 | 71.31 | CALL |
| | | 75.0ft (22.9m) | CA-NMRTPH075 | 112.12 | 105.39 | 98.66 | CALL |
| 600-Series Center Conductor: Solid copper Min. Bend Radius: 1.50" (38.1mm) Jacket: Polyethylene Operating Temperature: -40°C - +80°C | .590 in. (15.0mm) | 10.0ft (3.0m) | CA-6RTPNM010 | 41.97 | 38.61 | 35.25 | CALL |
| | | 25.0ft (7.6m) | CA-6RTPNM025 | 69.17 | 63.63 | 58.10 | CALL |
| | | 50.0ft (15.2m) | CA-6RTPNM050 | 114.50 | 105.34 | 96.18 | CALL |
| | | 75.0ft (22.9m) | CA-6RTPNM075 | 159.83 | 147.05 | 134.26 | CALL |
| | | 100.0ft (30.5m) | CA-6RTPNM100 | 215.53 | 198.29 | 181.04 | CALL |

Reverse Polarity TNC Plug/Type N Female

| Type | Cable Dia. | Length | Item # | 1-9 | 10-24 | 25-99 | 100+ |
|---|---------------------|---------------|--------------|-------|-------|-------|------|
| 195-Series Center Conductor: Solid bare copper Min. Bend Radius: 0.50" (12.7mm) Jacket: Polyvinyl Chloride (CMP Grade for Plenum Rated) Operating Temperature: -20°C - +60°C | .195 in. (5.0mm) | 2.0ft (0.6m) | CA-RTPNFA002 | 18.65 | 16.79 | 14.92 | CALL |
| | | 4.0ft (1.2m) | CA-RTPNFA004 | 19.69 | 17.72 | 15.75 | CALL |
| | | 10.0ft (3.0m) | CA-RTPNFA010 | 22.80 | 20.52 | 18.24 | CALL |
| | | 20.0ft (6.1m) | CA-RTPNFA020 | 27.98 | 25.18 | 22.38 | CALL |
| 240-Series Center Conductor: Solid copper Min. Bend Radius: 0.75" (19.1mm) Jacket: Polyethylene Operating Temperature: -40°C - +80°C | .240 in. (6.1mm) | 2.0ft (0.6m) | CA-RTPNFT002 | 18.91 | 17.02 | 15.13 | CALL |
| | | 4.0ft (1.2m) | CA-RTPNFT004 | 20.26 | 18.23 | 16.21 | CALL |
| | | 10.0ft (3.0m) | CA-RTPNFT010 | 24.30 | 21.87 | 19.44 | CALL |
| | | 20.0ft (6.1m) | CA-RTPNFT020 | 31.03 | 27.93 | 24.83 | CALL |

Reverse Polarity TNC Plug/Type N Female Bulkhead

| Type | Cable Dia. | Length | Item # | 1-9 | 10-24 | 25-99 | 100+ |
|---|---------------------|---------------|---------------|-------|-------|-------|------|
| 195-Series Center Conductor: Solid bare copper Min. Bend Radius: 0.50" (12.7mm) Jacket: Polyvinyl Chloride (CMP Grade for Plenum Rated) Operating Temperature: -20°C - +60°C | .195 in. (5.0mm) | 2.0ft (0.6m) | CA-RTPNFBA002 | 18.65 | 16.79 | 14.92 | CALL |
| | | 4.0ft (1.2m) | CA-RTPNFBA004 | 19.69 | 17.72 | 15.75 | CALL |
| | | 10.0ft (3.0m) | CA-RTPNFBA010 | 22.80 | 20.52 | 18.24 | CALL |
| | | 20.0ft (6.1m) | CA-RTPNFBA020 | 27.98 | 25.18 | 22.38 | CALL |

Reverse Polarity TNC Plug/Reverse Polarity TNC Jack

| Type | Cable Dia. | Length | Item # | 1-9 | 10-24 | 25-99 | 100+ |
|---|----------------------|----------------|---------------|-------|-------|-------|------|
| 195-Series Center Conductor: Solid bare copper Min. Bend Radius: 0.50" (12.7mm) Jacket: Polyvinyl Chloride (CMP Grade for Plenum Rated) Operating Temperature: -20°C - +60°C | .195 in. (5.0mm) | 2.0ft (0.6m) | CA-RTPRTJA002 | 17.62 | 15.85 | 14.09 | CALL |
| | | 4.0ft (1.2m) | CA-RTPRTJA004 | 18.65 | 16.79 | 14.92 | CALL |
| | | 10.0ft (3.0m) | CA-RTPRTJA010 | 21.76 | 19.58 | 17.41 | CALL |
| | | 20.0ft (6.1m) | CA-RTPRTJA020 | 26.94 | 24.25 | 21.55 | CALL |
| | | 2.0ft (0.6m) | CA4RTMRTF002 | 24.87 | 22.38 | 19.90 | CALL |
| 400-Series Center Conductor: Copper clad aluminum Min. Bend Radius: 1.0" (25.4mm) Jacket: Polyethylene Operating Temperature: -40°C - +80°C | .405 in. (10.3mm) | 10.0ft (3.0m) | CA4RTMRTF010 | 31.09 | 27.98 | 24.87 | CALL |
| | | 20.0ft (6.1m) | CA4RTMRTF020 | 38.86 | 34.97 | 31.09 | CALL |
| | | 25.0ft (7.6m) | CA4RTMRTF025 | 42.74 | 38.47 | 34.19 | CALL |
| | | 50.0ft (15.2m) | CA4RTMRTF050 | 62.17 | 55.95 | 49.74 | CALL |

Reverse Polarity TNC Plug Right Angle/Type N Male

| Type | Cable Dia. | Length | Item # | 1-9 | 10-24 | 25-99 | 100+ |
|---|---------------------|---------------|---------------|-------|-------|-------|------|
| 195-Series Center Conductor: Solid bare copper Min. Bend Radius: 0.50" (12.7mm) Jacket: Polyvinyl Chloride (CMP Grade for Plenum Rated) Operating Temperature: -20°C - +60°C | .195 in. (5.0mm) | 2.0ft (0.6m) | CA-RTPRNMA002 | 14.51 | 13.06 | 11.61 | CALL |
| | | 4.0ft (1.2m) | CA-RTPRNMA004 | 15.54 | 13.99 | 12.43 | CALL |
| | | 10.0ft (3.0m) | CA-RTPRNMA010 | 18.65 | 16.79 | 14.92 | CALL |
| | | 20.0ft (6.1m) | CA-RTPRNMA020 | 23.83 | 21.45 | 19.07 | CALL |

Reverse Polarity TNC Plug/Reverse Polarity TNC Plug

| Type | Cable Dia. | Length | Item # | 1-9 | 10-24 | 25-99 | 100+ |
|---|----------------------|----------------|---------------|-------|-------|-------|------|
| 195-Series Center Conductor: Solid bare copper Min. Bend Radius: 0.50" (12.7mm) Jacket: Polyvinyl Chloride (CMP Grade for Plenum Rated) Operating Temperature: -20°C - +60°C | .195 in. (5.0mm) | 2.0ft (0.6m) | CA-RTPRTPA002 | 17.62 | 15.85 | 14.09 | CALL |
| | | 4.0ft (1.2m) | CA-RTPRTPA004 | 18.65 | 16.79 | 14.92 | CALL |
| | | 10.0ft (3.0m) | CA-RTPRTPA010 | 21.76 | 19.58 | 17.41 | CALL |
| | | 20.0ft (6.1m) | CA-RTPRTPA020 | 26.94 | 24.25 | 21.55 | CALL |
| 400-Series Center Conductor: Copper clad aluminum Min. Bend Radius: 1.0" (25.4mm) Jacket: Polyethylene Operating Temperature: -40°C - +80°C | .405 in. (10.3mm) | 2.0ft (0.6m) | CA4RTPRTP002 | 24.87 | 22.38 | 19.90 | CALL |
| | | 10.0ft (3.0m) | CA4RTPRTP010 | 31.09 | 27.98 | 24.87 | CALL |
| | | 50.0ft (15.2m) | CA4RTPRTP050 | 62.17 | 55.95 | 49.74 | CALL |

SMA Male/Type N Male

| Type | Cable Dia. | Length | Item # | 1-9 | 10-24 | 25-99 | 100+ |
|---|----------------------|---------------|-------------|-------|-------|-------|------|
| 195-Series Center Conductor: Solid bare copper Min. Bend Radius: 0.50" (12.7mm) Jacket: Polyvinyl Chloride (CMP Grade for Plenum Rated) Operating Temperature: -20°C - +60°C | .195 in. (5.0mm) | 2.0ft (0.6m) | CA-SMNMA002 | 14.51 | 13.06 | 11.61 | CALL |
| | | 4.0ft (1.2m) | CA-SMNMA004 | 15.54 | 13.99 | 12.43 | CALL |
| | | 10.0ft (3.0m) | CA-SMNMA010 | 18.65 | 16.79 | 14.92 | CALL |
| | | 20.0ft (6.1m) | CA-SMNMA020 | 23.83 | 21.45 | 19.07 | CALL |
| 240-Series Center Conductor: Solid copper Min. Bend Radius: 0.75" (19.1mm) Jacket: Polyethylene Operating Temperature: -40°C - +80°C | .240 in. (6.1mm) | 2.0ft (0.6m) | CA-SMNMT002 | 18.91 | 17.02 | 15.13 | CALL |
| | | 4.0ft (1.2m) | CA-SMNMT004 | 20.26 | 18.23 | 16.21 | CALL |
| | | 10.0ft (3.0m) | CA-SMNMT010 | 24.30 | 21.87 | 19.44 | CALL |
| | | 20.0ft (6.1m) | CA-SMNMT020 | 31.03 | 27.93 | 24.83 | CALL |
| 400-Series Center Conductor: Copper clad aluminum Min. Bend Radius: 1.0" (25.4mm) Jacket: Polyethylene Operating Temperature: -40°C - +80°C | .405 in. (10.3mm) | 2.0ft (0.6m) | CA4NMSM002 | 27.98 | 25.18 | 22.38 | CALL |
| | | 10.0ft (3.0m) | CA4NMSM010 | 34.19 | 30.78 | 27.36 | CALL |
| | | 25.0ft (7.6m) | CA4NMSM025 | 45.85 | 41.27 | 36.68 | CALL |

SMA Male/Type N Female

| Type | Cable Dia. | Length | Item # | 1-9 | 10-24 | 25-99 | 100+ |
|---|---------------------|---------------|------------|-------|-------|-------|------|
| 195-Series Center Conductor: Solid bare copper Min. Bend Radius: 0.50" (12.7mm) Jacket: Polyvinyl Chloride (CMP Grade for Plenum Rated) Operating Temperature: -20°C - +60°C | .195 in. (5.0mm) | 2.0ft (0.6m) | CA-SMNF002 | 14.51 | 13.06 | 11.61 | CALL |
| | | 4.0ft (1.2m) | CA-SMNF004 | 15.54 | 13.99 | 12.43 | CALL |
| | | 10.0ft (3.0m) | CA-SMNF010 | 18.65 | 16.79 | 14.92 | CALL |
| | | 20.0ft (6.1m) | CA-SMNF020 | 23.83 | 21.45 | 19.07 | CALL |

SMA Male/Type N Female Bulkhead

| Type | Cable Dia. | Length | Item # | 1-9 | 10-24 | 25-99 | 100+ |
|---|---------------------|---------------|--------------|-------|-------|-------|------|
| 195-Series Center Conductor: Solid bare copper Min. Bend Radius: 0.50" (12.7mm) Jacket: Polyvinyl Chloride (CMP Grade for Plenum Rated) Operating Temperature: -20°C - +60°C | .195 in. (5.0mm) | 2.0ft (0.6m) | CA-SMNFBA002 | 24.87 | 22.38 | 19.90 | CALL |
| | | 4.0ft (1.2m) | CA-SMNFBA004 | 25.91 | 23.31 | 20.72 | CALL |
| | | 10.0ft (3.0m) | CA-SMNFBA010 | 29.01 | 26.11 | 23.21 | CALL |
| | | 20.0ft (6.1m) | CA-SMNFBA020 | 34.19 | 30.78 | 27.36 | CALL |

SMA Male Right Angle/Type N Male

| Type | Cable Dia. | Length | Item # | 1-9 | 10-24 | 25-99 | 100+ |
|---|---------------------|---------------|--------------|-------|-------|-------|------|
| 195-Series Center Conductor: Solid bare copper Min. Bend Radius: 0.50" (12.7mm) Jacket: Polyvinyl Chloride (CMP Grade for Plenum Rated) Operating Temperature: -20°C - +60°C | .195 in. (5.0mm) | 2.0ft (0.6m) | CA-SMRNMA002 | 14.51 | 13.06 | 11.61 | CALL |
| | | 4.0ft (1.2m) | CA-SMRNMA004 | 15.54 | 13.99 | 12.43 | CALL |
| | | 10.0ft (3.0m) | CA-SMRNMA010 | 18.65 | 16.79 | 14.92 | CALL |
| | | 20.0ft (6.1m) | CA-SMRNMA020 | 23.83 | 21.45 | 19.07 | CALL |

SMA Male Right Angle/Type N Female

| Type | Cable Dia. | Length | Item # | 1-9 | 10-24 | 25-99 | 100+ |
|---|---------------------|---------------|--------------|-------|-------|-------|------|
| 195-Series Center Conductor: Solid bare copper Min. Bend Radius: 0.50" (12.7mm) Jacket: Polyvinyl Chloride (CMP Grade for Plenum Rated) Operating Temperature: -20°C - +60°C | .195 in. (5.0mm) | 2.0ft (0.6m) | CA-SMRNFA002 | 20.21 | 18.19 | 16.16 | CALL |
| | | 4.0ft (1.2m) | CA-SMRNFA004 | 21.24 | 19.12 | 16.99 | CALL |
| | | 10.0ft (3.0m) | CA-SMRNFA010 | 24.35 | 21.92 | 19.48 | CALL |
| | | 20.0ft (6.1m) | CA-SMRNFA020 | 29.53 | 26.58 | 23.63 | CALL |

SMA Male Right Angle/Type N Female Bulkhead

| Type | Cable Dia. | Length | Item # | 1-9 | 10-24 | 25-99 | 100+ |
|---|---------------------|---------------|---------------|-------|-------|-------|------|
| 195-Series Center Conductor: Solid bare copper Min. Bend Radius: 0.50" (12.7mm) Jacket: Polyvinyl Chloride (CMP Grade for Plenum Rated) Operating Temperature: -20°C - +60°C | .195 in. (5.0mm) | 2.0ft (0.6m) | CA-SMRNFBA002 | 24.35 | 21.92 | 19.48 | CALL |
| | | 4.0ft (1.2m) | CA-SMRNFBA004 | 25.39 | 22.85 | 20.31 | CALL |
| | | 10.0ft (3.0m) | CA-SMRNFBA010 | 28.50 | 25.65 | 22.80 | CALL |
| | | 20.0ft (6.1m) | CA-SMRNFBA020 | 33.68 | 30.31 | 26.94 | CALL |



CA-RTPRNMA



CA-RTPRTP



CA-SMNMT



CA-SMNF



CA-SMRNMA



CA-SMRNFBA

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CA-TMNMA

CA-TMNFA

CA-FMNMA

CA-QPNMA

TNC Male/Type N Male

| Type | Cable Dia. | Length | Item # | 1-9 | 10-24 | 25-99 | 100+ |
|---|---------------------|---------------|-------------|-------|-------|-------|------|
| 195-Series Center Conductor: Solid bare copper Min. Bend Radius: 0.50" (12.7mm) Jacket: Polyvinyl Chloride (CMP Grade for Plenum Rated) Operating Temperature: -20°C - +60°C | .195 in. (5.0mm) | 2.0ft (0.6m) | CA-TMNMA002 | 18.65 | 16.79 | 14.92 | CALL |
| | | 4.0ft (1.2m) | CA-TMNMA004 | 19.69 | 17.72 | 15.75 | CALL |
| | | 10.0ft (3.0m) | CA-TMNMA010 | 22.80 | 20.52 | 18.24 | CALL |
| | | 20.0ft (6.1m) | CA-TMNMA020 | 27.98 | 25.18 | 22.38 | CALL |

TNC Male/Type N Female

| Type | Cable Dia. | Length | Item # | 1-9 | 10-24 | 25-99 | 100+ |
|---|---------------------|---------------|-------------|-------|-------|-------|------|
| 195-Series Center Conductor: Solid bare copper Min. Bend Radius: 0.50" (12.7mm) Jacket: Polyvinyl Chloride (CMP Grade for Plenum Rated) Operating Temperature: -20°C - +60°C | .195 in. (5.0mm) | 2.0ft (0.6m) | CA-TMNFA002 | 18.65 | 16.79 | 14.92 | CALL |
| | | 4.0ft (1.2m) | CA-TMNFA004 | 19.69 | 17.72 | 15.75 | CALL |
| | | 10.0ft (3.0m) | CA-TMNFA010 | 22.80 | 20.52 | 18.24 | CALL |
| | | 20.0ft (6.1m) | CA-TMNFA020 | 27.98 | 25.18 | 22.38 | CALL |

Type F Male/Type N Male

| Type | Cable Dia. | Length | Item # | 1-9 | 10-24 | 25-99 | 100+ |
|---|---------------------|---------------|-------------|-------|-------|-------|------|
| 195-Series Center Conductor: Solid bare copper Min. Bend Radius: 0.50" (12.7mm) Jacket: Polyvinyl Chloride (CMP Grade for Plenum Rated) Operating Temperature: -20°C - +60°C | .195 in. (5.0mm) | 2.0ft (0.6m) | CA-FMNMA002 | 19.17 | 17.25 | 15.34 | CALL |
| | | 4.0ft (1.2m) | CA-FMNMA004 | 20.21 | 18.19 | 16.16 | CALL |
| | | 10.0ft (3.0m) | CA-FMNMA010 | 23.31 | 20.98 | 18.65 | CALL |
| | | 20.0ft (6.1m) | CA-FMNMA020 | 28.50 | 25.65 | 22.80 | CALL |

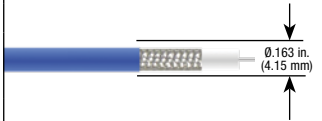
QMA Plug Right Angle/Type N Male

| Type | Cable Dia. | Length | Item # | 1-9 | 10-24 | 25-99 | 100+ |
|---|---------------------|---------------|-------------|-------|-------|-------|------|
| 195-Series Center Conductor: Solid bare copper Min. Bend Radius: 0.50" (12.7mm) Jacket: Polyvinyl Chloride (CMP Grade for Plenum Rated) Operating Temperature: -20°C - +60°C | .195 in. (5.0mm) | 2.0ft (0.6m) | CA-QPNMA002 | 28.50 | 25.65 | 22.80 | CALL |
| | | 4.0ft (1.2m) | CA-QPNMA004 | 29.53 | 26.58 | 23.63 | CALL |
| | | 10.0ft (3.0m) | CA-QPNMA010 | 32.64 | 29.38 | 26.11 | CALL |
| | | 20.0ft (6.1m) | CA-QPNMA020 | 37.82 | 34.04 | 30.26 | CALL |

Plenum Rated Low PIM Series Coaxial Assemblies

L-com's Plenum Rated Low PIM cable assemblies feature RG401 or RG402 cable and are available with 7/16 DIN Male and Type N Male connectors. Ideal for Distributed Antenna Systems (DAS), these cables assemblies are not only Plenum Rated, but feature PIM specifications as low as -160 dBc. These cables assemblies are available to order using L-com's online cable configurator. Customers can select cable type, connector options and select custom lengths in inches, feet or meter.


RG402 Plenum Rated Low PIM Coaxial Cable

| RG402  50 Ohm Impedance | ATTENUATION @ 20°C & Seal Level | |
|---|---------------------------------|---------|
| | MHz | db/100m |
| RG402 • Center Conductor: .036" (0.93mm) solid silver plated copper • Outer Conductor: .138" (3.5mm) Tinned soaked copper braid • Jacket: Blue FEP • Operating Temperature: -55°C - +125°C • Low PIM @ 900~1800 MHz: ≤ -160 dBc | 150 | 15.61 |
| | 450 | 27.04 |
| | 900 | 38.24 |
| | 200 | 57.0 |
| | 2500 | 63.73 |
| | 5800 | 97 |

Base pricing for RG401 Cable Assemblies: \$70.00**LENGTH PRICING ADDERS:**

| | | | |
|------------------------|-----------------------|--------------------------|--|
| Inch - \$0.64/Per Inch | Foot: \$7.62/Per Foot | Meter: \$25.00/Per Meter | Example: 2 Meter Cable Assembly = \$120.00 |
|------------------------|-----------------------|--------------------------|--|

RG401 Plenum Rated Low PIM Coaxial Cable

| RG401  50 Ohm Impedance | ATTENUATION @ 20°C & Seal Level | |
|--|---------------------------------|-------|
| | GHz | db/m |
| RG401 • Center Conductor: .064" (1.6mm) solid silver plated copper • Outer Conductor: .244" (6.2mm) Tinned soaked copper braid • Jacket: Blue FEP • Operating Temperature: -55°C - +125°C • Low PIM @ 900~1800 MHz: ≤ -160 dBc | 0.5 | 0.187 |
| | 1.0 | 0.275 |
| | 3.0 | 0.506 |
| | | |

Base pricing for RG401 Cable Assemblies: \$70.00**LENGTH PRICING ADDERS:**

| | | | |
|------------------------|-----------------------|--------------------------|--|
| Inch - \$0.51/Per Inch | Foot: \$6.10/Per Foot | Meter: \$20.00/Per Meter | Example: 2 Meter Cable Assembly = \$110.00 |
|------------------------|-----------------------|--------------------------|--|

Low PIM Coaxial Connectors - 50 Ohm

| Item # | Description | Cable Type | Attachment | 1-9 | 10-24 | 25-99 | 100+ |
|-----------|---------------|------------|------------|-------|-------|-------|------|
| DM-1P100 | 7/16 DIN Male | RG401 | Solder | 10.00 | 9.20 | 8.40 | CALL |
| ADM-1P200 | 7/16 DIN Male | RG402 | Solder | 10.00 | 9.20 | 8.40 | CALL |
| ANM-1P100 | Type N Male | RG401 | Solder | 10.00 | 9.20 | 8.40 | CALL |
| ANM-1P200 | Type N Male | RG402 | Solder | 10.00 | 9.20 | 8.40 | CALL |

Low PIM Coaxial Adapters - 50 Ohm

| Item # | Description | 1-9 | 10-24 | 25-99 | 100+ |
|-----------|---------------------------------|-------|-------|-------|------|
| AXA-PDMDM | 7/16 DIN Male / 7/16 DIN Male | 75.00 | 69.00 | 63.00 | CALL |
| AXA-PDMDF | 7/16 DIN Male / 7/16 DIN Female | 75.00 | 69.00 | 63.00 | CALL |
| AXA-PNMNF | Type N Male / Type N Female | 65.00 | 59.80 | 54.60 | CALL |
| AXA-PNPNF | Type N Female / Type N Female | 50.00 | 46.00 | 42.00 | CALL |



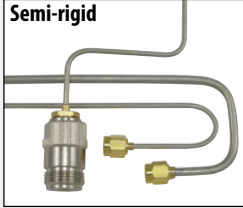
Semi-Rigid and Formable 50 Ohm Coaxial Assemblies

L-com offers quality crafted Semi-Rigid and Formable coax cable assemblies for use in a wide array of applications. These cable assemblies are designed, manufactured and tested using state of the art equipment to ensure the highest quality to our customers.

Have custom cable requirements? We can custom build your Semi-Rigid and Formable cable assemblies using the very best in forming and stripping equipment. In addition to our standard cable types, we can build cable assemblies using Semi-Rigid Low Loss Aluminum or Copper cable from sizes of .047 (1.2mm) to .250 (6.4mm) with a wide array of available connector types. Contact us today with your custom cable requirements.

Tip What is the difference between Semi-Rigid and Formable cable?

Semi-rigid cable is a coaxial form using a solid copper outer sheath. This type of coax offers superior screening compared to cables with a braided outer conductor, especially at higher frequencies. The major disadvantage is that the cable, as its name implies, is not very flexible, and is not intended to be flexed after initial forming. This type of cable is also called "hard line" cable.



Formable cable is a flexible reformable alternative to semi-rigid coaxial cable used where flexibility is required. Formable cable can be stripped and formed by hand without the need for special tools, similar to standard coaxial cable. Also this cable type is ideal for laying out and designing pre-bent semi-rigid assemblies.

**.085 Semi-Rigid Cables**

| Type | Cable Dia. | Length | Connectors | Item # | 1-9 | 10-24 | 25-99 | 100+ |
|---|------------------|------------------|-------------------|-----------------|-------|-------|-------|------|
| .085 Semi-Rigid Inner Conductor: Silver plated copper covered steel Outer Conductor: Tin plated copper | .085 in. (2.2mm) | 6.0in (152.4mm) | N Male/N Male | CA-085SCNMNM006 | 49.22 | 46.27 | 43.31 | CALL |
| | | 12.0in (304.8mm) | N Male/N Male | CA-085SCNMNM012 | 52.85 | 49.68 | 46.50 | CALL |
| | | 18.0in (457.2mm) | N Male/N Male | CA-085SCNMNM018 | 56.47 | 53.08 | 49.70 | CALL |
| | | 6.0in (152.4mm) | N Male/N Female | CA-085SCNMNF006 | 48.96 | 46.02 | 43.09 | CALL |
| | | 12.0in (304.8mm) | N Male/N Female | CA-085SCNMNF012 | 52.59 | 49.43 | 46.28 | CALL |
| | | 18.0in (457.2mm) | N Male/N Female | CA-085SCNMNF018 | 56.21 | 52.84 | 49.47 | CALL |
| | | 6.0in (152.4mm) | N Male/SMA Male | CA-085SCNMSM006 | 47.92 | 45.05 | 42.17 | CALL |
| | | 12.0in (304.8mm) | N Male/SMA Male | CA-085SCNMSM012 | 51.55 | 48.46 | 45.36 | CALL |
| | | 18.0in (457.2mm) | N Male/SMA Male | CA-085SCNMSM018 | 55.18 | 51.87 | 48.56 | CALL |
| | | 6.0in (152.4mm) | SMA Male/SMA Male | CA-085SCSMSM006 | 46.89 | 44.07 | 41.26 | CALL |
| | | 12.0in (304.8mm) | SMA Male/SMA Male | CA-085SCSMSM012 | 50.51 | 47.48 | 44.45 | CALL |
| | | 18.0in (457.2mm) | SMA Male/SMA Male | CA-085SCSMSM018 | 54.14 | 50.89 | 47.64 | CALL |

.141 Semi-Rigid Cables

| Type | Cable Dia. | Length | Connectors | Item # | 1-9 | 10-24 | 25-99 | 100+ |
|---|------------------|------------------|-------------------|-----------------|-------|-------|-------|------|
| .141 Semi-Rigid Inner Conductor: Silver plated copper covered steel Outer Conductor: Tin plated copper | .141 in. (3.6mm) | 6.0in (152.4mm) | N Male/N Male | CA-141SCNMNM006 | 52.85 | 49.68 | 46.50 | CALL |
| | | 12.0in (304.8mm) | N Male/N Male | CA-141SCNMNM012 | 56.99 | 53.57 | 50.15 | CALL |
| | | 18.0in (457.2mm) | N Male/N Male | CA-141SCNMNM018 | 61.14 | 57.47 | 53.80 | CALL |
| | | 6.0in (152.4mm) | N Male/N Female | CA-141SCNMNF006 | 52.59 | 49.43 | 46.28 | CALL |
| | | 12.0in (304.8mm) | N Male/N Female | CA-141SCNMNF012 | 56.73 | 53.33 | 49.92 | CALL |
| | | 18.0in (457.2mm) | N Male/N Female | CA-141SCNMNF018 | 60.88 | 57.22 | 53.57 | CALL |
| | | 6.0in (152.4mm) | N Male/SMA Male | CA-141SCNMSM006 | 51.55 | 48.46 | 45.36 | CALL |
| | | 12.0in (304.8mm) | N Male/SMA Male | CA-141SCNMSM012 | 55.70 | 52.35 | 49.01 | CALL |
| | | 18.0in (457.2mm) | N Male/SMA Male | CA-141SCNMSM018 | 59.84 | 56.25 | 52.66 | CALL |
| | | 6.0in (152.4mm) | SMA Male/SMA Male | CA-141SCSMSM006 | 50.51 | 47.48 | 44.45 | CALL |
| | | 12.0in (304.8mm) | SMA Male/SMA Male | CA-141SCSMSM012 | 54.66 | 51.38 | 48.10 | CALL |
| | | 18.0in (457.2mm) | SMA Male/SMA Male | CA-141SCSMSM018 | 58.80 | 55.28 | 51.75 | CALL |

.085 Formable Cables

| Type | Cable Dia. | Length | Connectors | Item # | 1-9 | 10-24 | 25-99 | 100+ |
|---|------------------|------------------|-------------------|-----------------|-------|-------|-------|------|
| .085 Formable Inner Conductor: Silver plated copper covered steel Outer Conductor: Tin overcoat-tinned annealed copper wire braiding | .085 in. (2.2mm) | 6.0in (152.4mm) | N Male/N Male | CA-085FNMNM006 | 49.22 | 46.27 | 43.31 | CALL |
| | | 12.0in (304.8mm) | N Male/N Male | CA-085FNMNM012 | 52.85 | 49.68 | 46.50 | CALL |
| | | 18.0in (457.2mm) | N Male/N Male | CA-085FNMNM018 | 56.47 | 53.08 | 49.70 | CALL |
| | | 6.0in (152.4mm) | N Male/N Female | CA-085FNMNF006 | 48.96 | 46.02 | 43.09 | CALL |
| | | 12.0in (304.8mm) | N Male/N Female | CA-085FNMNF012 | 52.59 | 49.43 | 46.28 | CALL |
| | | 18.0in (457.2mm) | N Male/N Female | CA-085FNMNF018 | 56.21 | 52.84 | 49.47 | CALL |
| | | 6.0in (152.4mm) | N Male/SMA Male | CA-085FNMMSM006 | 47.92 | 45.05 | 42.17 | CALL |
| | | 12.0in (304.8mm) | N Male/SMA Male | CA-085FNMMSM012 | 51.55 | 48.46 | 45.36 | CALL |
| | | 18.0in (457.2mm) | N Male/SMA Male | CA-085FNMMSM018 | 55.18 | 51.87 | 48.56 | CALL |
| | | 6.0in (152.4mm) | SMA Male/SMA Male | CA-085FSMSM006 | 46.89 | 44.07 | 41.26 | CALL |
| | | 12.0in (304.8mm) | SMA Male/SMA Male | CA-085FSMSM012 | 50.51 | 47.48 | 44.45 | CALL |
| | | 18.0in (457.2mm) | SMA Male/SMA Male | CA-085FSMSM018 | 54.14 | 50.89 | 47.64 | CALL |

.141 Formable Cables

| Type | Cable Dia. | Length | Connectors | Item # | 1-9 | 10-24 | 25-99 | 100+ |
|---|------------------|------------------|-------------------|-----------------|-------|-------|-------|------|
| .141 Formable Inner Conductor: Silver plated copper covered steel Outer Conductor: Tin overcoat-tinned annealed copper wire braiding | .141 in. (3.6mm) | 6.0in (152.4mm) | N Male/N Male | CA-141FNMNM006 | 52.85 | 49.68 | 46.50 | CALL |
| | | 12.0in (304.8mm) | N Male/N Male | CA-141FNMNM012 | 56.99 | 53.57 | 50.15 | CALL |
| | | 18.0in (457.2mm) | N Male/N Male | CA-141FNMNM018 | 61.14 | 57.47 | 53.80 | CALL |
| | | 6.0in (152.4mm) | N Male/N Female | CA-141FNMNF006 | 52.59 | 49.43 | 46.28 | CALL |
| | | 12.0in (304.8mm) | N Male/N Female | CA-141FNMNF012 | 56.73 | 53.33 | 49.92 | CALL |
| | | 18.0in (457.2mm) | N Male/N Female | CA-141FNMNF018 | 60.88 | 57.22 | 53.57 | CALL |
| | | 6.0in (152.4mm) | N Male/SMA Male | CA-141FNMMSM006 | 51.55 | 48.46 | 45.36 | CALL |
| | | 12.0in (304.8mm) | N Male/SMA Male | CA-141FNMMSM012 | 55.70 | 52.35 | 49.01 | CALL |
| | | 18.0in (457.2mm) | N Male/SMA Male | CA-141FNMMSM018 | 59.84 | 56.25 | 52.66 | CALL |
| | | 6.0in (152.4mm) | SMA Male/SMA Male | CA-141FSMSM006 | 50.51 | 47.48 | 44.45 | CALL |
| | | 12.0in (304.8mm) | SMA Male/SMA Male | CA-141FSMSM012 | 54.66 | 51.38 | 48.10 | CALL |
| | | 18.0in (457.2mm) | SMA Male/SMA Male | CA-141FSMSM018 | 58.80 | 55.28 | 51.75 | CALL |



CA-085SCNMNM



CA-085SCNMSM



CA-141SCNMNF



CA-141SCSMSM



CA-085FNMNF



CA-141FNMMSM

**7/16 DIN Male to 7/16 DIN Male**

| Type | Cable Dia. | Length | Item # | 1-9 | 10-24 | 25-99 | 100+ |
|--|----------------------|-----------------|-------------|--------|--------|--------|------|
| 400-Series Center Conductor: Copper clad aluminum Min. Bend Radius: 1.0" (25.4mm) Jacket: Polyethylene Operating Temperature: -40°C - +80°C | .405 in. (10.3mm) | 10.0ft (3.0m) | CA-DMDMF010 | 95.85 | 88.18 | 80.51 | CALL |
| | | 15.0ft (4.6m) | CA-DMDMF015 | 99.73 | 91.76 | 83.78 | CALL |
| | | 25.0ft (7.6m) | CA-DMDMF025 | 107.51 | 98.91 | 90.30 | CALL |
| | | 50.0ft (15.2m) | CA-DMDMF050 | 126.93 | 116.78 | 106.62 | CALL |
| | | 75.0ft (22.9m) | CA-DMDMF075 | 146.36 | 134.65 | 122.95 | CALL |
| | | 100.0ft (30.5m) | CA-DMDMF100 | 176.15 | 162.06 | 147.97 | CALL |
| 400UF-Series Ultra Flex Center Conductor: Stranded bare copper Min. Bend Radius: 1.0" (25.4mm) Jacket: Black Thermoplastic Elastomer Operating Temperature: -40°C - +85°C | .405 in. (10.3mm) | 10.0ft (3.0m) | CA-DMDMH010 | 100.51 | 92.47 | 84.43 | CALL |
| | | 15.0ft (4.6m) | CA-DMDMH015 | 106.73 | 98.19 | 89.65 | CALL |
| | | 25.0ft (7.6m) | CA-DMDMH025 | 119.16 | 109.63 | 100.10 | CALL |
| | | 50.0ft (15.2m) | CA-DMDMH050 | 150.25 | 138.23 | 126.21 | CALL |
| | | 75.0ft (22.9m) | CA-DMDMH075 | 181.34 | 166.83 | 152.32 | CALL |
| | | 100.0ft (30.5m) | CA-DMDMH100 | 222.78 | 204.96 | 187.14 | CALL |
| 600-Series Center Conductor: Solid copper Min. Bend Radius: 1.50" (38.1mm) Jacket: Polyethylene Operating Temperature: -40°C - +80°C | .590 in. (15.0mm) | 10.0ft (3.0m) | CA-6DMDM010 | 116.57 | 107.25 | 97.92 | CALL |
| | | 25.0ft (7.6m) | CA-6DMDM025 | 143.77 | 132.27 | 120.77 | CALL |
| | | 50.0ft (15.2m) | CA-6DMDM050 | 189.11 | 173.98 | 158.85 | CALL |
| | | 75.0ft (22.9m) | CA-6DMDM075 | 234.44 | 215.68 | 196.93 | CALL |
| | | 100.0ft (30.5m) | CA-6DMDM100 | 290.14 | 266.93 | 243.71 | CALL |

7/16 DIN Male/7/16 DIN Female

| Type | Cable Dia. | Length | Item # | 1-9 | 10-24 | 25-99 | 100+ |
|--|----------------------|-----------------|-------------|--------|--------|--------|------|
| 400-Series Center Conductor: Copper clad aluminum Min. Bend Radius: 1.0" (25.4mm) Jacket: Polyethylene Operating Temperature: -40°C - +80°C | .405 in. (10.3mm) | 10.0ft (3.0m) | CA-DMDFF010 | 101.03 | 92.95 | 84.86 | CALL |
| | | 15.0ft (4.6m) | CA-DMDFF015 | 104.92 | 96.52 | 88.13 | CALL |
| | | 25.0ft (7.6m) | CA-DMDFF025 | 112.69 | 103.67 | 94.66 | CALL |
| | | 50.0ft (15.2m) | CA-DMDFF050 | 132.12 | 121.55 | 110.98 | CALL |
| | | 75.0ft (22.9m) | CA-DMDFF075 | 151.54 | 139.42 | 127.30 | CALL |
| | | 100.0ft (30.5m) | CA-DMDFF100 | 181.34 | 166.83 | 152.32 | CALL |
| 400UF-Series Ultra Flex Center Conductor: Stranded bare copper Min. Bend Radius: 1.0" (25.4mm) Jacket: Black Thermoplastic Elastomer Operating Temperature: -40°C - +85°C | .405 in. (10.3mm) | 10.0ft (3.0m) | CA-DMDFH010 | 105.69 | 97.24 | 88.78 | CALL |
| | | 15.0ft (4.6m) | CA-DMDFH015 | 111.91 | 102.96 | 94.00 | CALL |
| | | 25.0ft (7.6m) | CA-DMDFH025 | 124.34 | 114.40 | 104.45 | CALL |
| | | 50.0ft (15.2m) | CA-DMDFH050 | 155.43 | 143.00 | 130.56 | CALL |
| | | 75.0ft (22.9m) | CA-DMDFH075 | 186.52 | 171.59 | 156.67 | CALL |
| | | 100.0ft (30.5m) | CA-DMDFH100 | 227.96 | 209.73 | 191.49 | CALL |
| 600-Series Center Conductor: Solid copper Min. Bend Radius: 1.50" (38.1mm) Jacket: Polyethylene Operating Temperature: -40°C - +80°C | .590 in. (15.0mm) | 10.0ft (3.0m) | CA-6DMDF010 | 121.75 | 112.01 | 102.27 | CALL |
| | | 25.0ft (7.6m) | CA-6DMDF025 | 148.95 | 137.04 | 125.12 | CALL |
| | | 50.0ft (15.2m) | CA-6DMDF050 | 194.29 | 178.74 | 163.20 | CALL |
| | | 75.0ft (22.9m) | CA-6DMDF075 | 239.62 | 220.45 | 201.28 | CALL |
| | | 100.0ft (30.5m) | CA-6DMDF100 | 295.32 | 271.69 | 248.07 | CALL |

7/16 DIN Male/Type N Male

| Type | Cable Dia. | Length | Item # | 1-9 | 10-24 | 25-99 | 100+ |
|--|----------------------|-----------------|-------------|--------|--------|--------|------|
| 400-Series Center Conductor: Copper clad aluminum Min. Bend Radius: 1.0" (25.4mm) Jacket: Polyethylene Operating Temperature: -40°C - +80°C | .405 in. (10.3mm) | 10.0ft (3.0m) | CA-DMNMF010 | 80.31 | 73.88 | 67.46 | CALL |
| | | 15.0ft (4.6m) | CA-DMNMF015 | 84.19 | 77.46 | 70.72 | CALL |
| | | 25.0ft (7.6m) | CA-DMNMF025 | 91.96 | 84.61 | 77.25 | CALL |
| | | 50.0ft (15.2m) | CA-DMNMF050 | 111.39 | 102.48 | 93.57 | CALL |
| | | 75.0ft (22.9m) | CA-DMNMF075 | 130.82 | 120.35 | 109.89 | CALL |
| | | 100.0ft (30.5m) | CA-DMNMF100 | 160.61 | 147.76 | 134.91 | CALL |
| 400UF-Series Ultra Flex Center Conductor: Stranded bare copper Min. Bend Radius: 1.0" (25.4mm) Jacket: Black Thermoplastic Elastomer Operating Temperature: -40°C - +85°C | .405 in. (10.3mm) | 10.0ft (3.0m) | CA-DMNMH010 | 84.97 | 78.17 | 71.37 | CALL |
| | | 15.0ft (4.6m) | CA-DMNMH015 | 91.19 | 83.89 | 76.60 | CALL |
| | | 25.0ft (7.6m) | CA-DMNMH025 | 103.62 | 95.33 | 87.04 | CALL |
| | | 50.0ft (15.2m) | CA-DMNMH050 | 134.71 | 123.93 | 113.15 | CALL |
| | | 75.0ft (22.9m) | CA-DMNMH075 | 165.79 | 152.53 | 139.27 | CALL |
| | | 100.0ft (30.5m) | CA-DMNMH100 | 207.24 | 190.66 | 174.08 | CALL |
| 600-Series Center Conductor: Solid copper Min. Bend Radius: 1.50" (38.1mm) Jacket: Polyethylene Operating Temperature: -40°C - +80°C | .590 in. (15.0mm) | 10.0ft (3.0m) | CA-6DMNM010 | 95.85 | 88.18 | 80.51 | CALL |
| | | 25.0ft (7.6m) | CA-6DMNM025 | 123.05 | 113.20 | 103.36 | CALL |
| | | 50.0ft (15.2m) | CA-6DMNM050 | 168.38 | 154.91 | 141.44 | CALL |
| | | 75.0ft (22.9m) | CA-6DMNM075 | 213.72 | 196.62 | 179.52 | CALL |
| | | 100.0ft (30.5m) | CA-6DMNM100 | 269.41 | 247.86 | 226.31 | CALL |

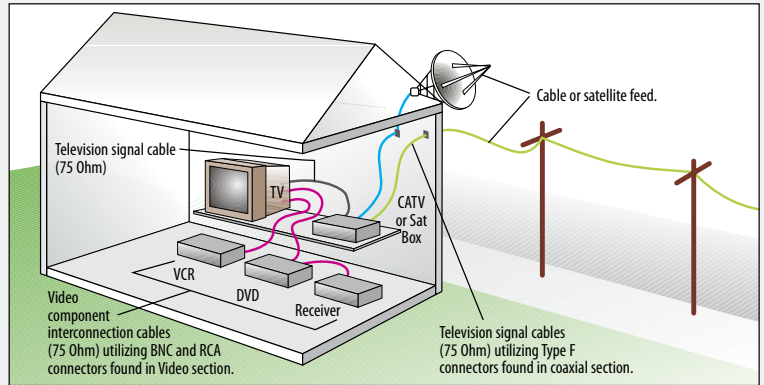
7/16 DIN Male/Type N Female

| Type | Cable Dia. | Length | Item # | 1-9 | 10-24 | 25-99 | 100+ |
|--|----------------------|-----------------|--------------|--------|--------|--------|------|
| 400-Series Center Conductor: Copper clad aluminum Min. Bend Radius: 1.0" (25.4mm) Jacket: Polyethylene Operating Temperature: -40°C - +80°C | .405 in. (10.3mm) | 10.0ft (3.0m) | CA-DMNFF010 | 80.31 | 73.88 | 67.46 | CALL |
| | | 15.0ft (4.6m) | CA-DMNFF015 | 84.19 | 77.46 | 70.72 | CALL |
| | | 25.0ft (7.6m) | CA-DMNFF025 | 91.96 | 84.61 | 77.25 | CALL |
| | | 50.0ft (15.2m) | CA-DMNFF050 | 111.39 | 102.48 | 93.57 | CALL |
| | | 75.0ft (22.9m) | CA-DMNFF075 | 130.82 | 120.35 | 109.89 | CALL |
| | | 100.0ft (30.5m) | CA-DMNFF100 | 160.61 | 147.76 | 134.91 | CALL |
| 400UF-Series Ultra Flex Center Conductor: Stranded bare copper Min. Bend Radius: 1.0" (25.4mm) Jacket: Black Thermoplastic Elastomer Operating Temperature: -40°C - +85°C | .405 in. (10.3mm) | 10.0ft (3.0m) | CA-DMNFFH010 | 84.97 | 78.17 | 71.37 | CALL |
| | | 15.0ft (4.6m) | CA-DMNFFH015 | 91.19 | 83.89 | 76.60 | CALL |
| | | 25.0ft (7.6m) | CA-DMNFFH025 | 103.62 | 95.33 | 87.04 | CALL |
| | | 50.0ft (15.2m) | CA-DMNFFH050 | 134.71 | 123.93 | 113.15 | CALL |
| | | 75.0ft (22.9m) | CA-DMNFFH075 | 165.79 | 152.53 | 139.27 | CALL |
| | | 100.0ft (30.5m) | CA-DMNFFH100 | 207.24 | 190.66 | 174.08 | CALL |
| 600-Series Center Conductor: Solid copper Min. Bend Radius: 1.50" (38.1mm) Jacket: Polyethylene Operating Temperature: -40°C - +80°C | .590 in. (15.0mm) | 10.0ft (3.0m) | CA-6DMNF010 | 95.85 | 88.18 | 80.51 | CALL |
| | | 25.0ft (7.6m) | CA-6DMNF025 | 123.05 | 113.20 | 103.36 | CALL |
| | | 50.0ft (15.2m) | CA-6DMNF050 | 168.38 | 154.91 | 141.44 | CALL |
| | | 75.0ft (22.9m) | CA-6DMNF075 | 213.72 | 196.62 | 179.52 | CALL |
| | | 100.0ft (30.5m) | CA-6DMNF100 | 269.41 | 247.86 | 226.31 | CALL |

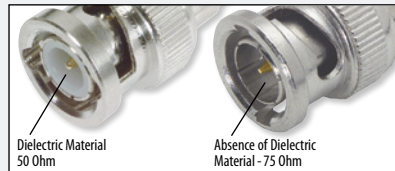
Don't see what you are looking for? Be sure to visit **L-com.com** for a complete listing of all available cable assemblies, as well as our online Custom Cable Configurator and Product Wizards.

Tip *When is a 75 Ohm coaxial cable used?*

The primary use of a 75 Ohm cable is to transmit a video signal. One of the typical applications is television signals over cable, sometimes called signal feed cables. The most common connector used in this application is a Type F. Another application is video signals between components such as DVD players, VCRs or Receivers commonly known as audio/video (A/V) cables. In this case BNC and RCA connectors are most often found. In both of these applications RG59 with both solid center conductor (RG59B/U) and stranded center conductor (RG59A/U) as well as RG6 are often found. The cable assemblies offered in the following section cover the most common connection situations found in both applications.

**Tip** *Distinguishing between 50 and 75 Ohm BNC connectors*

BNC connectors are one of the few coaxial connectors that are available in two impedance values of 50 and 75 Ohms. You can distinguish the two types by the absence of dielectric material at the interface of the 75 Ohm version as shown.

**Best Seller**

CC59A



CTL1B



CC179B



CC6PB

75 Ohm Coaxial Cables

L-com offers a wide variety of 75 ohm coaxial video cable assemblies. Cable types include RG59, RG6, RG179, RG187, and our small OD Thinline cable. Connector types include BNC male & female, RCA, F, and SMB. Please see our website for our complete offering.

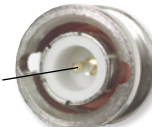
Inline BNC Plug to Inline BNC Plug

| Type | Cable Dia. | Length | Item # | 1-9 | 10-24 | 25-99 | 100+ |
|---|--------------------|----------------|------------|-------|-------|-------|------|
| RG59A/U Center Conductor: 22 AWG bare compacted copper Jacket: Black PVC Operating Temperature: -40°C - +80°C | .240in. (6.1mm) | 0.5ft (0.15m) | CC59A-05 | 9.38 | 9.00 | 8.63 | CALL |
| | | 3.0ft (0.9m) | CC59A-3 | 10.67 | 10.25 | 9.82 | CALL |
| | | 5.0ft (1.5m) | CC59A-5 | 11.76 | 11.29 | 10.82 | CALL |
| | | 10.0ft (3.0m) | CC59A-10 | 14.45 | 13.88 | 13.30 | CALL |
| | | 15.0ft (4.6m) | CC59A-15 | 17.10 | 16.41 | 15.73 | CALL |
| | | 25.5ft (7.6m) | CC59A-25 | 22.43 | 21.54 | 20.64 | CALL |
| | | 50.0ft (15.2m) | CC59A-50 | 35.80 | 34.37 | 32.94 | CALL |
| RG59B/U Center Conductor: 22 AWG solid bare copper covered steel Jacket: Black PVC Operating Temperature: -40°C - +80°C | .242in. (6.1mm) | 0.5ft (0.15m) | CC59B-05 | 9.38 | 9.00 | 8.63 | CALL |
| | | 3.0ft (0.9m) | CC59B-3 | 10.67 | 10.25 | 9.82 | CALL |
| | | 5.0ft (1.5m) | CC59B-5 | 11.76 | 11.29 | 10.82 | CALL |
| | | 10.0ft (3.0m) | CC59B-10 | 14.45 | 13.88 | 13.30 | CALL |
| | | 15.0ft (4.6m) | CC59B-15 | 17.10 | 16.41 | 15.73 | CALL |
| | | 25.5ft (7.6m) | CC59B-25 | 22.43 | 21.54 | 20.64 | CALL |
| | | 50.0ft (15.2m) | CC59B-50 | 35.80 | 34.37 | 32.94 | CALL |
| Thinline Center Conductor: 28 AWG stranded tinned copper wire Jacket: Black PVC Operating Temperature: -40°C - +80°C | .110in. (2.8mm) | 1.0ft (0.3m) | CTL1B-1 | 7.51 | 7.21 | 6.91 | CALL |
| | | 2.5ft (0.75m) | CTL1B-2.5 | 8.29 | 7.96 | 7.63 | CALL |
| | | 5.0ft (1.5m) | CTL1B-5 | 9.64 | 9.25 | 8.87 | CALL |
| | | 7.5ft (2.3m) | CTL1B-7.5 | 10.98 | 10.54 | 10.11 | CALL |
| | | 10.0ft (3.0m) | CTL1B-10 | 12.28 | 11.79 | 11.30 | CALL |
| | | 15.0ft (4.6m) | CTL1B-15 | 14.97 | 14.37 | 13.78 | CALL |
| | | 50.0ft (15.2m) | CTL1B-50 | 35.80 | 34.37 | 32.94 | CALL |
| RG179B/U Center Conductor: 30 AWG stranded silver plated copper covered steel Jacket: Brown FEP Operating Temperature: -70°C - +200°C | .100in. (2.5mm) | 1.0ft (0.3m) | CC179B-1 | 23.11 | 22.18 | 21.26 | CALL |
| | | 2.5ft (0.75m) | CC179B-2.5 | 25.56 | 24.54 | 23.52 | CALL |
| | | 5.0ft (1.5m) | CC179B-5 | 29.72 | 28.53 | 27.35 | CALL |
| | | 7.5ft (2.3m) | CC179B-7.5 | 33.83 | 32.48 | 31.13 | CALL |
| | | 10.0ft (3.0m) | CC179B-10 | 37.94 | 36.42 | 34.91 | CALL |
| | | 15.0ft (4.6m) | CC179B-15 | 46.21 | 44.36 | 42.52 | CALL |
| | | 50.0ft (15.2m) | CC179B-50 | 106.7 | 102.5 | 98.2 | CALL |
| RG6/U Center Conductor: 18 AWG solid bare copper covered steel Jacket: White Plenum Operating Temperature: -20°C - +75°C | .222in. (5.6mm) | 1.0ft (0.3m) | CC6PB-1 | 34.74 | 33.35 | 31.96 | CALL |
| | | 1.5ft (0.45m) | CC6PB-1.5 | 35.86 | 34.43 | 32.99 | CALL |
| | | 2.5ft (0.75m) | CC6PB-2.5 | 39.22 | 37.65 | 36.08 | CALL |
| | | 5.0ft (1.5m) | CC6PB-5 | 44.83 | 43.03 | 41.24 | CALL |
| | | 10.0ft (3.0m) | CC6PB-10 | 56.03 | 53.79 | 51.55 | CALL |
| | | 15.0ft (4.6m) | CC6PB-15 | 67.24 | 64.55 | 61.86 | CALL |
| | | 50.0ft (15.2m) | CC6PB-50 | 167.7 | 162.3 | 156.9 | CALL |
| RG187/U Center Conductor: 30 AWG stranded silver plated copper covered steel Jacket: TFE Teflon tape wrap Operating Temperature: -70°C - +200°C | .110in. (2.8mm) | 1.0ft (0.3m) | CC187B-1 | 30.09 | 27.68 | 25.27 | CALL |
| | | 2.5ft (0.75m) | CC187B-2.5 | 34.14 | 31.41 | 28.68 | CALL |
| | | 5.0ft (1.5m) | CC187B-5 | 40.87 | 37.60 | 34.33 | CALL |
| | | 7.5ft (2.3m) | CC187B-7.5 | 47.59 | 43.78 | 39.98 | CALL |
| | | 10.0ft (3.0m) | CC187B-10 | 54.31 | 49.97 | 45.62 | CALL |
| | | 15.0ft (4.6m) | CC187B-15 | 67.76 | 62.34 | 56.92 | CALL |
| | | 50.0ft (15.2m) | CC187B-50 | 170.8 | 164.4 | 157.9 | CALL |

Tip *What is the difference between a plug and a jack?*

People often have difficulty choosing the correct gender termination on cable assemblies. Plugs are considered male gendered connectors which utilize a center pin. Jacks are considered female gendered connectors utilizing a center socket.

A PLUG utilizes a center pin = MALE GENDER



A JACK utilizes a center socket = FEMALE GENDER



CC59A-HR



CC59A-HR2



CC59A-MF



CC59A-RB



CTL1RB

75 Ohm Coaxial Cables

Inline BNC Plug to Right Angle BNC Plug

| Type | Cable Dia. | Length | Item # | 1-9 | 10-24 | 25-99 | 100+ |
|--|--------------------|---------------|------------|-------|-------|-------|------|
| RG59A/U Center Conductor: 22 AWG bare compacted copper Jacket: Black PVC Operating Temperature: -40°C - +80°C | .240in. (6.1mm) | 1.0ft (0.3m) | CC59A-1HR | 12.38 | 11.89 | 11.39 | CALL |
| | | 2.0ft (0.6m) | CC59A-2HR | 12.91 | 12.40 | 11.88 | CALL |
| | | 3.0ft (0.9m) | CC59A-3HR | 13.50 | 12.96 | 12.42 | CALL |
| | | 4.0ft (1.2m) | CC59A-4HR | 14.03 | 13.47 | 12.91 | CALL |
| | | 5.0ft (1.5m) | CC59A-5HR | 14.57 | 13.99 | 13.40 | CALL |
| | | 10.0ft (3.0m) | CC59A-10HR | 17.34 | 16.65 | 15.96 | CALL |
| RG59B/U Center Conductor: 22 AWG solid bare copper covered steel Jacket: Black PVC Operating Temperature: -40°C - +80°C | .242in. (6.1mm) | 1.0ft (0.3m) | CC59B-1HR | 13.23 | 12.70 | 12.18 | CALL |
| | | 2.0ft (0.6m) | CC59B-2HR | 13.82 | 13.27 | 12.72 | CALL |
| | | 3.0ft (0.9m) | CC59B-3HR | 14.41 | 13.83 | 13.26 | CALL |
| | | 4.0ft (1.2m) | CC59B-4HR | 15.00 | 14.40 | 13.80 | CALL |
| | | 5.0ft (1.5m) | CC59B-5HR | 15.58 | 14.96 | 14.34 | CALL |
| | | 10.0ft (3.0m) | CC59B-10HR | 18.52 | 17.78 | 17.04 | CALL |

Right Angle BNC Plug to Right Angle BNC Plug

| Type | Cable Dia. | Length | Item # | 1-9 | 10-24 | 25-99 | 100+ |
|--|--------------------|---------------|--------------|-------|-------|-------|------|
| RG59B/U Center Conductor: 22 AWG solid bare copper covered steel Jacket: Black PVC Operating Temperature: -40°C - +80°C | .242in. (6.1mm) | 1.0ft (0.3m) | CC59B-1HR2 | 17.61 | 16.91 | 16.20 | CALL |
| | | 2.0ft (0.6m) | CC59B-2HR2 | 18.20 | 17.47 | 16.74 | CALL |
| | | 2.5ft (0.8m) | CC59B-2.5HR2 | 18.52 | 17.78 | 17.04 | CALL |
| | | 3.0ft (0.9m) | CC59B-3HR2 | 18.78 | 18.03 | 17.28 | CALL |
| | | 7.5ft (2.3m) | CC59B-7.5HR2 | 21.45 | 20.59 | 19.74 | CALL |
| | | 10.0ft (3.0m) | CC59B-10HR2 | 21.45 | 20.59 | 19.74 | CALL |
| RG59A/U Center Conductor: 22 AWG bare compacted copper Jacket: Black PVC Operating Temperature: -40°C - +80°C | .240in. (6.1mm) | 1.0ft (0.3m) | CC59A-1HR2 | 16.49 | 15.83 | 15.17 | CALL |
| | | 1.5ft (0.45m) | CC59A-1.5HR2 | 16.81 | 16.14 | 15.46 | CALL |
| | | 2.0ft (0.6m) | CC59A-2HR2 | 17.08 | 16.39 | 15.71 | CALL |
| | | 3.0ft (0.9m) | CC59A-3HR2 | 17.61 | 16.91 | 16.20 | CALL |
| | | 4.0ft (1.2m) | CC59A-4HR2 | 18.14 | 17.42 | 16.69 | CALL |
| | | 10.0ft (3.0m) | CC59A-10HR2 | 21.45 | 20.59 | 19.74 | CALL |

Inline BNC Plug to Inline BNC Jack

| Type | Cable Dia. | Length | Item # | 1-9 | 10-24 | 25-99 | 100+ |
|--|--------------------|----------------|-------------|-------|-------|-------|------|
| RG59A/U Center Conductor: 22 AWG bare compacted copper Jacket: Black PVC Operating Temperature: -40°C - +80°C | .240in. (6.1mm) | 1.0ft (0.3m) | CC59A-MF-1 | 15.96 | 15.00 | 14.04 | CALL |
| | | 3.0ft (0.9m) | CC59A-MF-3 | 17.08 | 16.05 | 15.03 | CALL |
| | | 10.0ft (3.0m) | CC59A-MF-10 | 20.92 | 19.66 | 18.41 | CALL |
| | | 15.0ft (4.6m) | CC59A-MF-15 | 23.64 | 22.22 | 20.80 | CALL |
| | | 25.0ft (7.6m) | CC59A-MF-25 | 29.14 | 27.39 | 25.64 | CALL |
| | | 50.0ft (15.2m) | CC59A-MF-50 | 42.90 | 40.33 | 37.76 | CALL |
| RG59B/U Center Conductor: 22 AWG solid bare copper covered steel Jacket: Black PVC Operating Temperature: -40°C - +80°C | .242in. (6.1mm) | 1.0ft (0.3m) | CC59B-MF-1 | 13.23 | 12.44 | 11.65 | CALL |
| | | 3.0ft (0.9m) | CC59B-MF-3 | 14.30 | 13.44 | 12.59 | CALL |
| | | 6.0ft (1.8m) | CC59B-MF-6 | 15.96 | 15.00 | 14.04 | CALL |
| | | 10.0ft (3.0m) | CC59B-MF-10 | 18.14 | 17.06 | 15.97 | CALL |
| | | 25.0ft (7.6m) | CC59B-MF-25 | 26.42 | 24.83 | 23.25 | CALL |
| | | 50.0ft (15.2m) | CC59B-MF-50 | 40.13 | 37.72 | 35.31 | CALL |

Tip

What is the advantage of using a cable assembly with a male to female bulkhead gender combination?

Typical coaxial cable assemblies commonly found in the marketplace have male gender connectors on both ends. In applications where a cable must pass through an obstruction such as a bulkhead panel, a configuration as shown in Figure 1 is typically used.

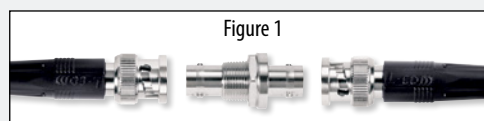


Figure 1

By utilizing L-com's male to female bulkhead cable assembly you can simplify the configuration, reducing the number of separate parts needed and reduce overall signal loss by eliminating an interface connection and the signal loss of the feedthru bulkhead. Figure 2 shows this set up.

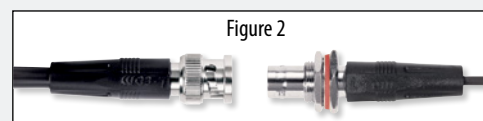


Figure 2

Inline RCA Plug to Inline BNC Plug

| Type | Cable Dia. | Length | Item # | 1-9 | 10-24 | 25-99 | 100+ |
|---|--------------------|----------------|-------------|-------|-------|-------|------|
| RG59A/U Center Conductor: 22 AWG bare compacted copper Jacket: Black PVC Operating Temperature: -40°C - +80°C | .240in. (6.1mm) | 1.0ft (0.3m) | CC59A-RB-1 | 5.07 | 4.87 | 4.66 | CALL |
| | | 3.0ft (0.9m) | CC59A-RB-3 | 6.19 | 5.94 | 5.70 | CALL |
| | | 6.0ft (1.8m) | CC59A-RB-6 | 7.84 | 7.53 | 7.22 | CALL |
| | | 9.0ft (2.7m) | CC59A-RB-9 | 9.55 | 9.17 | 8.79 | CALL |
| | | 12.0ft (3.7m) | CC59A-RB-12 | 11.21 | 10.76 | 10.31 | CALL |
| | | 15.0ft (4.6m) | CC59A-RB-15 | 13.47 | 12.91 | 12.46 | CALL |
| Thinline Center Conductor: 28 AWG stranded tinned copper wire Jacket: Black PVC Operating Temperature: -40°C - +80°C | .110in. (2.8mm) | 1.0ft (0.3m) | CTL1RB-1 | 6.19 | 5.94 | 5.70 | CALL |
| | | 5.0ft (1.5m) | CTL1RB-5 | 8.43 | 8.09 | 7.76 | CALL |
| | | 10.0ft (3.0m) | CTL1RB-10 | 11.21 | 10.76 | 10.31 | CALL |
| | | 15.0ft (4.6m) | CTL1RB-15 | 14.03 | 13.47 | 12.91 | CALL |
| | | 25.0ft (7.6m) | CTL1RB-25 | 19.64 | 18.85 | 18.07 | CALL |
| | | 50.0ft (15.2m) | CTL1RB-50 | 37.72 | 35.31 | 32.90 | CALL |

Don't see what you are looking for? Be sure to visit L-com.com for a complete listing of all available cable assemblies, as well as our online Custom Cable Configurator and Product Wizards.

75 Ohm Coaxial Cables

Inline RCA Plug to Inline RCA Plug

| Type | Cable Dia. | Length | Item # | 1-9 | 10-24 | 25-99 | 100+ |
|--|--------------------|---------------|-------------|-------|-------|-------|------|
| RG59A/U Center Conductor: 22 AWG bare compacted copper Jacket: Black PVC Operating Temperature: -40°C - +80°C | .240in. (6.1mm) | 1.0ft (0.3m) | CC59A-RR-1 | 5.28 | 5.07 | 4.86 | CALL |
| | | 3.0ft (0.9m) | CC59A-RR-3 | 6.46 | 6.20 | 5.94 | CALL |
| | | 6.0ft (1.8m) | CC59A-RR-6 | 8.22 | 7.89 | 7.56 | CALL |
| | | 9.0ft (2.7m) | CC59A-RR-9 | 9.98 | 9.58 | 9.18 | CALL |
| | | 12.0ft (3.7m) | CC59A-RR-12 | 11.74 | 11.27 | 10.80 | CALL |
| Thinline Center Conductor: 28 AWG stranded tinned copper wire Jacket: Black PVC Operating Temperature: -40°C - +80°C | .110in. (2.8mm) | 1.0ft (0.3m) | CTL1R-1 | 6.08 | 5.84 | 5.60 | CALL |
| | | 5.0ft (1.5m) | CTL1R-5 | 8.27 | 7.94 | 7.61 | CALL |
| | | 10.0ft (3.0m) | CTL1R-10 | 10.99 | 10.55 | 10.11 | CALL |
| | | 15.0ft (4.6m) | CTL1R-15 | 13.77 | 13.22 | 12.67 | CALL |
| | | 25.0ft (7.6m) | CTL1R-25 | 19.26 | 18.49 | 17.72 | CALL |



CTL1R

Inline Type F Plug to Inline Type F Plug

| Type | Cable Dia. | Length | Item # | 1-9 | 10-24 | 25-99 | 100+ |
|---|--------------------|----------------|------------|-------|-------|-------|------|
| RG6/U Quad Shielded Center Conductor: 18 AWG solid bare copper covered steel Jacket: Black PVC Operating Temperature: -40°C - +80°C | .298in. (7.6mm) | 0.5ft (0.2m) | CC60F-05 | 21.35 | 20.06 | 18.78 | CALL |
| | | 1.0ft (0.3m) | CC60F-1 | 21.66 | 20.36 | 19.06 | CALL |
| | | 3.0ft (0.9m) | CC60F-3 | 22.69 | 21.33 | 19.97 | CALL |
| | | 6.0ft (1.8m) | CC60F-6 | 24.30 | 22.84 | 21.38 | CALL |
| | | 12.0ft (3.7m) | CC60F-12 | 27.51 | 25.86 | 24.21 | CALL |
| | | 25.0ft (7.6m) | CC60F-25 | 34.45 | 32.39 | 30.32 | CALL |
| RG6/U Center Conductor: 18 AWG solid bare copper covered steel Jacket: Black PVC Operating Temperature: -40°C - +80°C | .270in. (6.9mm) | 1.0ft (0.3m) | CCF6-1 | 6.17 | 5.55 | 4.93 | CALL |
| | | 3.0ft (0.9m) | CCF6-3 | 7.20 | 6.48 | 5.76 | CALL |
| | | 6.0ft (1.8m) | CCF6-6 | 8.81 | 7.93 | 7.05 | CALL |
| | | 12.0ft (3.7m) | CCF6-12 | 12.02 | 10.82 | 9.62 | CALL |
| | | 25.0ft (7.6m) | CCF6-25 | 18.96 | 17.07 | 15.17 | CALL |
| | | 50.0ft (15.2m) | CCF6-50 | 32.33 | 29.10 | 25.86 | CALL |
| RG59A/U Center Conductor: 22 AWG bare compacted copper Jacket: Black PVC Operating Temperature: -40°C - +80°C | .110in. (2.8mm) | 1.0ft (0.3m) | CCF59-1 | 4.66 | 4.48 | 4.29 | CALL |
| | | 3.0ft (0.9m) | CCF59-3 | 5.70 | 5.47 | 5.24 | CALL |
| | | 6.0ft (1.8m) | CCF59-6 | 7.25 | 6.96 | 6.67 | CALL |
| | | 9.0ft (2.7m) | CCF59-9 | 8.81 | 8.46 | 8.10 | CALL |
| | | 12.0ft (3.7m) | CCF59-12 | 10.36 | 9.95 | 9.53 | CALL |
| RG59B/U Center Conductor: 22 AWG solid bare copper covered steel Jacket: Black PVC Operating Temperature: -40°C - +80°C | .242in. (6.1mm) | 1.0ft (0.3m) | CCF59B-1 | 4.82 | 4.63 | 4.43 | CALL |
| | | 3.0ft (0.9m) | CCF59B-3 | 5.91 | 5.67 | 5.43 | CALL |
| | | 6.0ft (1.8m) | CCF59B-6 | 7.51 | 7.21 | 6.91 | CALL |
| | | 9.0ft (2.7m) | CCF59B-9 | 9.12 | 8.75 | 8.39 | CALL |
| | | 12.0ft (3.7m) | CCF59B-12 | 10.67 | 10.25 | 9.82 | CALL |
| Thinline Center Conductor: 28 AWG stranded tinned copper wire Jacket: Black PVC Operating Temperature: -40°C - +80°C | .110in. (2.8mm) | 1.0ft (0.3m) | CTL1F-1 | 6.08 | 5.84 | 5.60 | CALL |
| | | 5.0ft (1.5m) | CTL1F-5 | 8.27 | 7.94 | 7.61 | CALL |
| | | 10.0ft (3.0m) | CTL1F-10 | 10.99 | 10.55 | 10.11 | CALL |
| | | 15.0ft (4.6m) | CTL1F-15 | 13.77 | 13.22 | 12.67 | CALL |
| | | 25.0ft (7.6m) | CTL1F-25 | 19.26 | 18.49 | 17.72 | CALL |
| RG187/U Center Conductor: 30 AWG stranded silver plated copper covered steel Jacket: TFE Teflon tape wrap Operating Temperature: -70°C - +200°C | .110in. (2.8mm) | 1.0ft (0.3m) | CC187F-1 | 25.60 | 24.58 | 23.56 | CALL |
| | | 1.5ft (0.5m) | CC187F-1.5 | 26.88 | 25.81 | 24.73 | CALL |
| | | 2.0ft (0.6m) | CC187F-2 | 28.27 | 27.14 | 26.01 | CALL |
| | | 2.5ft (0.8m) | CC187F-2.5 | 29.66 | 28.47 | 27.29 | CALL |
| | | 7.5ft (2.3m) | CC187F-7.5 | 43.11 | 41.38 | 39.66 | CALL |
| | | 15.0ft (4.6m) | CC187F-15 | 63.28 | 60.75 | 58.22 | CALL |



CC60F



CCF6



CC187F

Inline Type F Plug to Inline BNC Plug

| Type | Cable Dia. | Length | Item # | 1-9 | 10-24 | 25-99 | 100+ |
|--|--------------------|---------------|-------------|-------|-------|-------|------|
| RG59A/U Center Conductor: 22 AWG bare compacted copper Jacket: Black PVC Operating Temperature: -40°C - +80°C | .240in. (6.1mm) | 1.0ft (0.3m) | CC59A-BF-1 | 7.04 | 6.76 | 6.48 | CALL |
| | | 3.0ft (0.9m) | CC59A-BF-3 | 8.22 | 7.89 | 7.56 | CALL |
| | | 6.0ft (1.8m) | CC59A-BF-6 | 9.98 | 9.58 | 9.18 | CALL |
| | | 9.0ft (2.7m) | CC59A-BF-9 | 11.74 | 11.27 | 10.80 | CALL |
| | | 12.0ft (3.7m) | CC59A-BF-12 | 13.50 | 12.96 | 12.42 | CALL |
| Thinline Center Conductor: 28 AWG stranded tinned copper wire Jacket: Black PVC Operating Temperature: -40°C - +80°C | .110in. (2.8mm) | 1.0ft (0.3m) | CTL1FB-1 | 7.31 | 7.02 | 6.73 | CALL |
| | | 5.0ft (1.5m) | CTL1FB-5 | 9.55 | 9.17 | 8.79 | CALL |
| | | 10.0ft (3.0m) | CTL1FB-10 | 12.33 | 11.83 | 11.34 | CALL |
| | | 15.0ft (4.6m) | CTL1FB-15 | 15.16 | 14.55 | 13.94 | CALL |
| | | 25.0ft (7.6m) | CTL1FB-25 | 20.76 | 19.93 | 19.10 | CALL |



CC59A-BF



CTL1FB

Tip Why is a molded strain relief superior to a heat shrink strain relief?

As shown in Figure 1, a heat shrink strain relief does offer some strain relief at the egress point where the cable exits the strain relief, reducing stress at this critical junction.

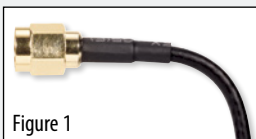


Figure 1

As seen in Figure 2, however, a molded strain relief provides far superior stress reduction through a more robust design.

The improved adhesion between the strain relief and the cable/connector interface is achieved during the molding process. In addition, the molded strain relief design provides a more finished appearance than the heat shrink version.



Figure 2



CA-TRBP-P



CA-TRBP-PR



CA-TRBP-PR

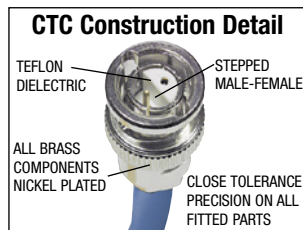


ATRBP-1553B

ATRBP-1553B



CTC Series

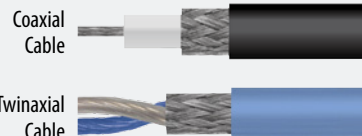
**CTC Construction Detail**

TEFLON DIELECTRIC
STEPPED MALE-FEMALE
ALL BRASS COMPONENTS NICKEL PLATED
CLOSE TOLERANCE PRECISION ON ALL FITTED PARTS

See all listings or use our
Cable Configurator
and Wizards at L-com.com.

Tip *What are twinaxial cables?*

Twinaxial cabling, or "Twinax", is a type of cable similar to coaxial cable, but with two inner conductors instead of one. The connectors used on this type of cable also feature two separate conductors. To ensure correct orientation, these connectors are often keyed to prevent incorrect connections.

**MIL-STD-1553B 78 Ohm Twinax Cable Assemblies**

L-com's MIL-STD-1553B cable assemblies feature high-temperature M17/176-00002 twinax cable and TRB connectors designed for these types of bus applications. Standard lengths from 1' to 50' (0.3m to 15.2m). Custom lengths also available.

Inline TRB Plug to Inline TRB Plug

| Type | Cable Dia. | Length | Item # | 1-9 | 10-24 | 25-99 | 100+ |
|---|---------------------|----------------|--------------|--------|--------|--------|------|
| M17/176-00002 Center Conductor: .024" (0.1cm) Dia. Min. Bend Radius: 1.50" (3.8cm) Jacket: Blue Teflon Operating Temperature: -55°C - +200°C | .129 in. (0.3cm) | 1.0ft (0.3m) | CA-TRBP-P001 | 108.80 | 102.27 | 95.74 | CALL |
| | | 2.0ft (0.6m) | CA-TRBP-P002 | 112.94 | 106.16 | 99.38 | CALL |
| | | 3.0ft (0.9m) | CA-TRBP-P003 | 117.07 | 110.05 | 103.02 | CALL |
| | | 4.0ft (1.2m) | CA-TRBP-P004 | 121.20 | 113.93 | 106.66 | CALL |
| | | 5.0ft (1.5m) | CA-TRBP-P005 | 125.34 | 117.82 | 110.30 | CALL |
| | | 6.0ft (1.8m) | CA-TRBP-P006 | 129.47 | 121.70 | 113.94 | CALL |
| | | 7.0ft (2.1m) | CA-TRBP-P007 | 133.61 | 125.59 | 117.57 | CALL |
| | | 10.0ft (3.0m) | CA-TRBP-P010 | 146.01 | 137.25 | 128.49 | CALL |
| | | 12.0ft (3.7m) | CA-TRBP-P012 | 154.28 | 145.02 | 135.77 | CALL |
| | | 15.0ft (4.6m) | CA-TRBP-P015 | 166.68 | 156.68 | 146.68 | CALL |
| | | 20.0ft (6.1m) | CA-TRBP-P020 | 187.36 | 176.11 | 164.87 | CALL |
| | | 25.0ft (7.6m) | CA-TRBP-P025 | 208.03 | 195.55 | 183.06 | CALL |
| | | 50.0ft (15.2m) | CA-TRBP-P050 | 311.39 | 292.71 | 274.02 | CALL |

Inline TRB Plug to Right Angle TRB Plug

| Type | Cable Dia. | Length | Item # | 1-9 | 10-24 | 25-99 | 100+ |
|---|---------------------|----------------|---------------|--------|--------|--------|------|
| M17/176-00002 Center Conductor: .024" (0.1cm) Dia. Min. Bend Radius: 1.50" (3.8cm) Jacket: Blue Teflon Operating Temperature: -55°C - +200°C | .129 in. (0.3cm) | 1.0ft (0.3m) | CA-TRBP-PR001 | 305.68 | 287.34 | 269.00 | CALL |
| | | 2.0ft (0.6m) | CA-TRBP-PR002 | 309.81 | 291.22 | 272.64 | CALL |
| | | 3.0ft (0.9m) | CA-TRBP-PR003 | 313.95 | 295.11 | 276.27 | CALL |
| | | 4.0ft (1.2m) | CA-TRBP-PR004 | 318.08 | 299.00 | 279.91 | CALL |
| | | 5.0ft (1.5m) | CA-TRBP-PR005 | 322.22 | 302.88 | 283.55 | CALL |
| | | 6.0ft (1.8m) | CA-TRBP-PR006 | 326.35 | 306.77 | 287.19 | CALL |
| | | 7.0ft (2.1m) | CA-TRBP-PR007 | 330.49 | 310.66 | 290.83 | CALL |
| | | 10.0ft (3.0m) | CA-TRBP-PR010 | 342.89 | 322.32 | 301.74 | CALL |
| | | 12.0ft (3.7m) | CA-TRBP-PR012 | 351.16 | 330.09 | 309.02 | CALL |
| | | 15.0ft (4.6m) | CA-TRBP-PR015 | 363.56 | 341.75 | 319.93 | CALL |
| | | 20.0ft (6.1m) | CA-TRBP-PR020 | 384.23 | 361.18 | 338.13 | CALL |
| | | 25.0ft (7.6m) | CA-TRBP-PR025 | 404.91 | 380.61 | 356.32 | CALL |
| | | 50.0ft (15.2m) | CA-TRBP-PR050 | 508.27 | 477.77 | 447.27 | CALL |

Right Angle TRB Plug to Right Angle TRB Plug

| Type | Cable Dia. | Length | Item # | 1-9 | 10-24 | 25-99 | 100+ |
|---|---------------------|----------------|----------------|--------|--------|--------|------|
| M17/176-00002 Center Conductor: .024" (0.1cm) Dia. Min. Bend Radius: 1.50" (3.8cm) Jacket: Blue Teflon Operating Temperature: -55°C - +200°C | .129 in. (0.3cm) | 1.0ft (0.3m) | CA-TRBPR-PR001 | 455.93 | 428.57 | 401.22 | CALL |
| | | 2.0ft (0.6m) | CA-TRBPR-PR002 | 460.06 | 432.46 | 404.85 | CALL |
| | | 3.0ft (0.9m) | CA-TRBPR-PR003 | 464.20 | 436.35 | 408.49 | CALL |
| | | 4.0ft (1.2m) | CA-TRBPR-PR004 | 468.33 | 440.23 | 412.13 | CALL |
| | | 5.0ft (1.5m) | CA-TRBPR-PR005 | 472.47 | 444.12 | 415.77 | CALL |
| | | 6.0ft (1.8m) | CA-TRBPR-PR006 | 476.60 | 448.00 | 419.41 | CALL |
| | | 7.0ft (2.1m) | CA-TRBPR-PR007 | 480.73 | 451.89 | 423.05 | CALL |
| | | 10.0ft (3.0m) | CA-TRBPR-PR010 | 493.14 | 463.55 | 433.96 | CALL |
| | | 12.0ft (3.7m) | CA-TRBPR-PR012 | 501.41 | 471.32 | 441.24 | CALL |
| | | 15.0ft (4.6m) | CA-TRBPR-PR015 | 513.81 | 482.98 | 452.15 | CALL |
| | | 20.0ft (6.1m) | CA-TRBPR-PR020 | 534.48 | 502.41 | 470.34 | CALL |
| | | 25.0ft (7.6m) | CA-TRBPR-PR025 | 555.15 | 521.85 | 488.54 | CALL |
| | | 50.0ft (15.2m) | CA-TRBPR-PR050 | 658.52 | 619.00 | 579.49 | CALL |

Concentric Twinax TRB Type Connectors

TRB type connectors from Trompeter feature a center contact and an intermediate cylindrical contact. The three bayonet design can withstand severe shocks and vibrations. Typically used for MIL-STD-1533B bus applications, these full crimp connectors are available in Straight and Right Angle Plug versions.

| Type | Cable Dia. | Length | Item # | 1-9 | 10-24 | 25-99 | 100+ |
|-------------|----------------------------------|---------------|--------|--------|--------|--------|------|
| ATRBP-1553B | TRB Plug, Trompeter # PL75C-201 | M17/176-00002 | Crimp | 29.10 | 26.77 | 24.44 | CALL |
| ATRBP-1553B | TRB Plug, Trompeter # PLR75C-201 | M17/176-00002 | Crimp | 155.37 | 142.94 | 130.51 | CALL |

78 Ohm Twinaxial BNC Cables - Feature Polarized/Stepped Keyway and Crimp Design

This Twin BNC cable series accommodates the need for low level signal patching and balanced line applications. Fittings have polarized, stepped keyways that look like, but do not match traditional BNC coaxial connectors. Twin BNC connectors are constructed of machined brass with a non-tarnish nickel finish and gold plated contacts.

Twin BNC Male to Twin BNC Male

| Type | Cable Dia. | Length | Item # | 1-9 | 10-24 | 25-99 | 100+ |
|--|--------------------|---------------|---------|-------|-------|-------|------|
| Twinaxial Center Conductor: 20 AWG tinned copper Min. Bend Radius: 2.50" (63.5mm) Jacket: Blue PVC Operating Temperature: -20°C - +80°C | .243in. (0.6cm) | 1.0ft (0.3m) | CTC-1 | 51.08 | 49.04 | 47.00 | CALL |
| | | 2.0ft (0.6m) | CTC-2 | 52.22 | 50.14 | 48.05 | CALL |
| | | 3.0ft (0.9m) | CTC-3 | 54.56 | 52.37 | 50.19 | CALL |
| | | 5.0ft (1.5m) | CTC-5 | 59.22 | 56.85 | 54.48 | CALL |
| | | 7.5ft (2.3m) | CTC-7.5 | 63.83 | 61.28 | 58.72 | CALL |
| | | 10.0ft (3.0m) | CTC-10 | 68.49 | 65.75 | 63.01 | CALL |

How do you select the right coaxial cable interface for your application?

There are numerous coaxial interfaces in use today. These interfaces cover a broad range of applications including both 50 Ohm data signal transmission and 75 Ohm audio/video signal transmission. The following chart is a general guide to help you select the best interface for your specific application.

| Interface Type | Impedance | Application | Coupling Mechanism | Typical Cable Types | Typical Frequency Range |
|--|---------------------------------|---|---------------------------------|--|--|
| BNC  | Available in both 50 and 75 Ohm | 50 Ohm version is utilized in data signal transmission for such applications as WAN/LAN, Ethernet or Test & Measurement. 75 Ohm version is utilized in audio/video signal transmission for such applications as security and CATV | Two stud bayonet twist and lock | Wide variety of RG style coaxial cables including 50 Ohm RG174, RG58, RG142 etc. And 75 Ohm RG179, RG59, RG6 | 0-4 GHz |
| TNC (Threaded version of a BNC)  | 50 Ohm | Data signal transmission for such applications as GPS, wireless base stations antennas and instrumentation | Threaded coupling | Wide variety of RG style coaxial cables including RG174, RG58, RG142, etc | 0-11 GHz |
| SMA  | 50 Ohm | Data signal transmission for such applications as GPS and instrumentation | Threaded coupling | Generally used on small diameter cable such as RG174, RG188 and RG316 | 0-18 GHz |
| Type N  | 50 Ohm | Data signal transmission for such applications as GPS antennas and instrumentation | Threaded coupling | Generally used on larger diameter cable such as RG58, RG213 and RG223 | 0-11 GHz |
| Type F  | 75 Ohm | Video signal transmission in applications such as CATV and entertainment video | Threaded coupling | Primarily RG59 and RG6 | 0-1 GHz |
| MCX  | 50 Ohm | Data signal transmission for such applications as GPS antennas and instrumentation | Snap on coupling | Generally used on small diameter cable such as RG174, RG188 and RG316 | 0-6 GHz |
| MMCX  | 50 Ohm | Data signal transmission for such applications as GPS antennas and PCMCIA cards | Snap on coupling | Generally used on small diameter cable such as RG174, RG188 and RG316 | 0-6 GHz |
| SMB  | Available in both 50 and 75 Ohm | Data signal transmission for such applications as digital cellular, GPS and wireless LAN | Snap on coupling | Generally used on small diameter cable such as 50 Ohm RG174, RG188 and RG316 and 75 Ohm RG179 and RG187 | 0-4 GHz |
| SMC  | Available in both 50 and 75 Ohm | Signal transmission for such applications as automotive GPS and telecom with high vibration requirements | Threaded coupling | Generally used on small diameter cable such as 50 Ohm RG174, RG188 and RG316 and 75 Ohm RG179 and RG187 | 0-10 GHz |
| Reverse Polarity TNC and SMA  | 50 Ohm | Signal transmission in wireless spread spectrum devices that must comply with FCC non standard interface rule | Threaded coupling and RG58 | Primarily used with RG174 | TNC 0-11 GHz SMA 0-18 GHz |

Note: Images on this page are for reference only and may not be to scale

Coaxial Interseries Adapter Selection Matrix

Use this handy chart to locate the desired interseries adapter. Simply locate the connector type and gender in the top row and repeat in the left hand column. Intersect the row and column to determine availability. Adapters shown in this matrix are listed on this and the opposite page. If a specific adapter type is not listed, please visit our website at **L-com.com** for the latest information or call our technical support group at **800-343-1455** for assistance. Adapters listed are generally intended for use in the RF band.

| INTERFACE SERIES | BNC FEMALE | BNC MALE | F FEMALE | F MALE | TNC MALE | TNC FEMALE | MINI UHF F | MINI UHF M | N MALE | N FEMALE | SMA F | SMA M | SMB J | SMB P | UHF F | UHF M | MCX P | MMCX F | NMO |
|------------------|------------------------|------------------|--------------|--------------|----------|-------------------------|------------|------------|----------|-----------|------------|----------|------------|------------|-------|-------|----------|--------|-----------|
| BNC FEMALE | | | BA220 | BA120, BA037 | BA3001 | BA70 BA71, BA3002 | BA882 | BA883 | AXA-NMBF | AXA-NFBF | BA588 | BA29 | | | BA230 | BA50 | | | |
| BNC MALE | | | BA125, BA017 | | | BA127 | | | BA107 | AXA-NFBM | BA38 | BA28 | | | BA60 | BA270 | | | |
| F FEMALE | BA220 | BA125, BA017 | | | | | | | | AXA-NMFF | | | | | BA301 | BA160 | | | |
| F MALE | BA120, BA037 | | | | BA121 | | | | | | | | | | BA130 | | | | |
| FME MALE | BA8016 | BA8005, BA882 | | | | | | | | | | | | | | | | | |
| MINI UHF FEMALE | | | | | BA881 | | | | | | | | | | | | | | |
| MINI UHF MALE | BA883 | | | | | BA886 | | | | AXA-NFMUM | BA591 | | | | | | | | |
| MCX | | | | | | | | | | | | | | | | | | | |
| N FEMALE | AXA-NFBF | AXA-NFBM | | | AXA-NFTM | | | AXA-NFMUM | | | AXA-MPSF | BA25 | | | | | | | AXA-AMNFB |
| N MALE | AXA-BFNM90 AXA-NMBF | BN107 | AXA-NMFF | | | AXA-NMTF | | | | | AXA-NFSF | AXA-NMSM | | | | | | | |
| RCA FEMALE | BA94 | BA95, BA018 | BA887 | | | | | | | | | | | | | BA40 | | | |
| RCA MALE | BA90 | | BA907 | | | | | | | | | | | | | | | | |
| SMA FEMALE | BA588 | BA38 | | | BA589 | BA590 | BA591 | AXA-NMSF | AXA-NFSF | | | | AXA-SMBJSF | AXA-SMBPSF | BA140 | BA36 | AXA-MPSF | BA3000 | |
| SMA MALE | BA29 | BA28 | | | BA579 | BA580 | BA582 | AXA-NMSM | BA25 | | | | | | BA27 | BA26 | | | |
| SMB JACK | | | | | | | | | | | | | | | | | | | |
| SMB PLUG | | | | | | | | | | | AXA-SMBJSF | | | | | | | | |
| TNC FEMALE | BA70 | BA71, BA3002 | BA127 | | | | BA886 | AXA-NMTF | | | BA590 | BA580 | | | | | | | |
| TNC MALE | BA3001 | | | BA121 | | | BA881 | | | AXA-NFTM | BA589 | BA579 | | | | | | | |
| UHF FEMALE | BA230 | BA60 | BA301 | BA130 | | | | | | | | | | | BA27 | | | | |
| UHF MALE | BA50 | BA270 | BA160 | | | | | | | | BA36 | BA26 | | | | | | | |
| 7/16 DIN MALE | | | | | | | | | | AXA-NFDM | | | | | | | | | |
| 7/16 DIN FEMALE | | | | | | | | | AXA-NMDF | | | | | | | | | | |
| 1.6/5.6 MALE | BA9201 | | | | | | | | | | | | | | | | | | |

Reversed Polarity Types

| INTERFACE SERIES | RP-BNC | RP-TNC PLUG | RP-TNC JACK | RP-SMA PLUG | RP-SMA JACK |
|------------------|-----------|--------------------------|-------------|-------------|-------------|
| N FEMALE | AXA-NFRBP | AXA-NFRTP, AXA-NFRTP2 | | AXA-NFRSP | AXA-NFRSJ |
| N MALE | | AXA-NMRTP | AXA-NMRTJ | AXA-NMRSP | AXA-NMRSJ |
| RP-TNC | | | | AXA-RTJRSJ | AXA-RTPRSJ |

BNC Interseries Coaxial Adapters - 50 Ohm

| Item # | Description | 1-9 | 10-24 | 25-99 | 100+ |
|------------|--|------|-------|-------|------|
| BA28 | Coaxial Adapter, BNC Male/SMA Male | 7.13 | 6.70 | 6.27 | CALL |
| BA38 | Coaxial Adapter, BNC Male/SMA Female | 7.13 | 6.70 | 6.27 | CALL |
| BA60 | Coaxial Adapter, BNC Male/UHF Female | 4.90 | 4.60 | 4.31 | CALL |
| BA71 | Coaxial Adapter, BNC Male/TNC Female | 5.55 | 5.22 | 4.88 | CALL |
| BA3002 | Coaxial Adapter, BNC Male/TNC Female, Right Angle | 8.11 | 7.62 | 7.13 | CALL |
| BA29 | Coaxial Adapter, BNC Female/SMA Male | 7.13 | 6.70 | 6.27 | CALL |
| BA50 | Coaxial Adapter, BNC Female/UHF Male | 4.90 | 4.60 | 4.31 | CALL |
| BA70 | Coaxial Adapter, BNC Female/TNC Female | 5.55 | 5.22 | 4.88 | CALL |
| BA3001 | Coaxial Adapter, BNC Female/TNC Male | 5.00 | 4.70 | 4.40 | CALL |
| AXA-BFNM90 | Coaxial Adapter, BNC Female/Type N Male, Right Angle | 7.13 | 6.56 | 5.99 | CALL |

BNC Interseries Coaxial Adapters - 75 Ohm

| | | | | | |
|-------|---|------|------|------|------|
| BA017 | Coaxial Adapter, BNC Male/Type F Female | 4.51 | 4.24 | 3.97 | CALL |
| BA018 | Coaxial Adapter, BNC Male/RCA Female | 3.37 | 3.17 | 2.96 | CALL |
| BA037 | Coaxial Adapter, BNC Female/Type F Male | 4.51 | 4.24 | 3.97 | CALL |

SMA Interseries Coaxial Adapters - 50 Ohm

| | | | | | |
|----------|---|------|------|------|------|
| AXA-NMSM | Coaxial Adapter, SMA Male/Type N Male | 5.00 | 4.60 | 4.20 | CALL |
| BA25 | Coaxial Adapter, SMA Male/Type N Female | 7.13 | 6.70 | 6.27 | CALL |
| BA26 | Coaxial Adapter, SMA Male/UHF Male | 7.13 | 6.70 | 6.27 | CALL |
| BA27 | Coaxial Adapter, SMA Male/UHF Female | 7.13 | 6.70 | 6.27 | CALL |
| BA579 | Coaxial Adapter, SMA Male/TNC Male | 7.13 | 6.70 | 6.27 | CALL |
| BA580 | Coaxial Adapter, SMA Male/TNC Female | 7.13 | 6.70 | 6.27 | CALL |
| BA582 | Coaxial Adapter, SMA Male/Mini UHF Female | 7.13 | 6.70 | 6.27 | CALL |
| AXA-NMSF | Coaxial Adapter, SMA Female/Type N Male | 5.00 | 4.60 | 4.20 | CALL |
| AXA-NFSF | Coaxial Adapter, SMA Female/Type N Female | 6.64 | 6.11 | 5.57 | CALL |
| BA36 | Coaxial Adapter, SMA Female/UHF Male | 7.13 | 6.70 | 6.27 | CALL |
| BA588 | Coaxial Adapter, SMA Female/BNC Female | 7.13 | 6.70 | 6.27 | CALL |
| BA589 | Coaxial Adapter, SMA Female/TNC Male | 7.13 | 6.70 | 6.27 | CALL |
| BA590 | Coaxial Adapter, SMA Female/TNC Female | 7.13 | 6.70 | 6.27 | CALL |
| BA591 | Coaxial Adapter, SMA Female/Mini UHF Male | 7.13 | 6.70 | 6.27 | CALL |
| AXA-MPSF | Coaxial Adapter, SMA Female/MCX Plug | 7.13 | 6.56 | 5.99 | CALL |
| BA3000 | Coaxial Adapter, SMA Female/MMCX Female | 7.40 | 6.95 | 6.51 | CALL |

SMB Interseries Coaxial Adapters - 50 Ohm

| | | | | | |
|------------|--------------------------------------|------|------|------|------|
| AXA-SMBJSF | Coaxial Adapter, SMB Jack/SMA Female | 5.88 | 5.41 | 4.94 | CALL |
| AXA-SMBPSF | Coaxial Adapter, SMB Plug/SMA Female | 7.13 | 6.56 | 5.99 | CALL |

SMB Interseries Coaxial Adapters - 50 Ohm

| | | | | | |
|------------|--------------------------------------|------|------|------|------|
| AXA-SMBJSF | Coaxial Adapter, SMB Jack/SMA Female | 5.88 | 5.41 | 4.94 | CALL |
| AXA-SMBPSF | Coaxial Adapter, SMB Plug/SMA Female | 7.13 | 6.56 | 5.99 | CALL |



FME to BNC Interseries Coaxial Adapters - 50 and 75 Ohm - Useful in Cellular Applications

Many cellular communication devices utilize the FME connector on coaxial antenna lines. L-com offers a selection of highest quality components utilizing machined brass with nickel plated surfaces and gold plated pins.

| Item # | Description | 1-9 | 10-24 | 25-99 | 100+ |
|--------|--|------|-------|-------|------|
| BA8016 | Coaxial Adapter, FME Male/BNC Female, 50 Ohm | 6.15 | 5.78 | 5.41 | CALL |
| BA8005 | Coaxial Adapter, FME Male/BNC Male, 75 Ohm | 4.51 | 4.24 | 3.97 | CALL |

1.6/5.6 to BNC Interseries Coaxial Adapters - 50 Ohm - For Conversion to the European Standard

These machined adapters are great for converting standard BNC terminations to 1.6/5.6 terminations which are common in other areas of the world.

| | | | | | |
|--------|--|------|------|------|------|
| BA9201 | Coaxial Adapter, BNC Female/1.6/5.6 Male Adapter | 9.79 | 9.20 | 8.62 | CALL |
|--------|--|------|------|------|------|

Type F Interseries Coaxial Adapters - 50 Ohm

| | | | | | |
|-------|---|------|------|------|------|
| BA120 | Coaxial Adapter, Type F Male/BNC Female | 2.50 | 2.35 | 2.20 | CALL |
| BA121 | Coaxial Adapter, Type F Male/TNC Male | 2.50 | 2.35 | 2.20 | CALL |
| BA125 | Coaxial Adapter, Type F Female/BNC Male | 2.50 | 2.35 | 2.20 | CALL |
| BA127 | Coaxial Adapter, Type F Female/TNC Female | 2.50 | 2.35 | 2.20 | CALL |
| BA220 | Coaxial Adapter, Type F Female/BNC Female | 2.50 | 2.35 | 2.20 | CALL |

RCA Interseries Coaxial Adapters - 50 and 75 Ohm

| | | | | | |
|-------|---|------|------|------|------|
| BA90 | Coaxial Adapter, RCA Male/BNC Female, 50 Ohm | 3.75 | 3.53 | 3.30 | CALL |
| BA94 | Coaxial Adapter, RCA Female/BNC Female, 50 Ohm | 3.75 | 3.53 | 3.30 | CALL |
| BA95 | Coaxial Adapter, RCA Female/BNC Male, 50 Ohm | 3.75 | 3.53 | 3.30 | CALL |
| BA887 | Coaxial Adapter, RCA Female/Type F Female, 50 Ohm | 2.50 | 2.35 | 2.20 | CALL |
| BA907 | Coaxial Adapter, RCA Male/Type F Female, 75 Ohm | 2.23 | 2.09 | 1.96 | CALL |

Type N Interseries Coaxial Adapters - 50 Ohm

| | | | | | |
|------------|---|-------|-------|-------|------|
| BN107 | Coaxial Adapter, Type N Male/BNC Male | 7.13 | 6.70 | 6.27 | CALL |
| AXA-NMBF | Coaxial Adapter, Type N Male/BNC Female | 4.35 | 4.00 | 3.66 | CALL |
| AXA-NMSM | Coaxial Adapter, Type N Male/SMA Male | 5.00 | 4.60 | 4.20 | CALL |
| AXA-NMTF | Coaxial Adapter, Type N Male/TNC Female | 5.00 | 4.60 | 4.20 | CALL |
| AXA-NMFF | Coaxial Adapter, Type N Male/Type F Female | 4.35 | 4.00 | 3.66 | CALL |
| AXA-NMRSJ | Coaxial Adapter, Type N Male/RF-SMA Jack | 6.20 | 5.71 | 5.21 | CALL |
| AXA-NMRSP | Coaxial Adapter, Type N Male/RF-SMA Plug | 6.20 | 5.71 | 5.21 | CALL |
| AXA-NMRTJ | Coaxial Adapter, Type N Male/RF-TNC Jack | 6.20 | 5.71 | 5.21 | CALL |
| AXA-NMRTJ | Coaxial Adapter, Type N Male/RF-TNC Plug | 6.20 | 5.71 | 5.21 | CALL |
| AXA-NFBF | Coaxial Adapter, Type N Female/BNC Female | 3.75 | 3.45 | 3.15 | CALL |
| AXA-NFBM | Coaxial Adapter, Type N Female/BNC Male | 4.35 | 4.00 | 3.66 | CALL |
| AXA-AMNFB | Coaxial Adapter, Type N Female Bulkhead/NMO | 15.94 | 14.66 | 13.39 | CALL |
| AXA-NFMUM | Coaxial Adapter, Type N Female/Mini-UHF Male | 4.35 | 4.00 | 3.66 | CALL |
| AXA-NFTM | Coaxial Adapter, Type N Female/TNC Male | 4.35 | 4.00 | 3.66 | CALL |
| AXA-NFRBP | Coaxial Adapter, Type N Female/RF BNC Plug | 4.35 | 4.00 | 3.66 | CALL |
| AXA-NFRSJ | Coaxial Adapter, Type N Female/RF-SMA Jack | 6.20 | 5.71 | 5.21 | CALL |
| AXA-RSJNFB | Coaxial Adapter, Type N Female Bulkhead/RF-SMA Jack | 7.13 | 6.56 | 5.99 | CALL |
| AXA-NFRSP | Coaxial Adapter, Type N Female/RF-SMA Plug | 5.00 | 4.60 | 4.20 | CALL |
| AXA-NFRTP | Coaxial Adapter, Type N Female/RF-TNC Plug | 6.20 | 5.71 | 5.21 | CALL |
| AXA-NFRTP2 | Coaxial Adapter, Type N Female/RF-TNC Plug 1 Piece Design | 6.20 | 5.71 | 5.21 | CALL |

Mini-UHF Interseries Coaxial Adapters - 50 Ohm

| | | | | | |
|-------|---|------|------|------|------|
| BA881 | Coaxial Adapter, Mini-UHF Female/TNC Male | 7.13 | 6.70 | 6.27 | CALL |
| BA882 | Coaxial Adapter, Mini-UHF Female/BNC Male | 7.13 | 6.70 | 6.27 | CALL |
| BA883 | Coaxial Adapter, Mini-UHF Male/BNC Female | 7.13 | 6.70 | 6.27 | CALL |
| BA886 | Coaxial Adapter, Mini-UHF Male/TNC Female | 7.13 | 6.70 | 6.27 | CALL |

UHF Interseries Coaxial Adapters - 50 Ohm

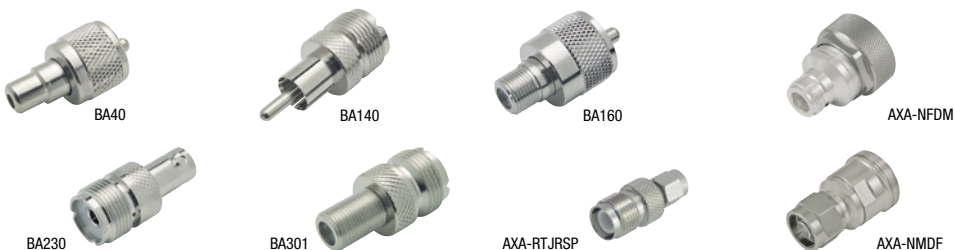
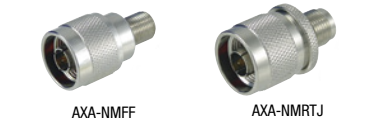
| | | | | | |
|-------|---|------|------|------|------|
| BA40 | Coaxial Adapter, UHF Male/RCA Female | 3.75 | 3.53 | 3.30 | CALL |
| BA130 | Coaxial Adapter, UHF Female/Type F Male | 3.75 | 3.53 | 3.30 | CALL |
| BA140 | Coaxial Adapter, UHF Female/RCA Male | 3.75 | 3.53 | 3.30 | CALL |
| BA160 | Coaxial Adapter, UHF Male/Type F Female | 3.75 | 3.53 | 3.30 | CALL |
| BA230 | Coaxial Adapter, UHF Female/BNC Female | 4.90 | 4.60 | 4.31 | CALL |
| BA270 | Coaxial Adapter, UHF Male/BNC Male | 3.75 | 3.53 | 3.30 | CALL |
| BA301 | Coaxial Adapter, UHF Female/Type F Female | 3.75 | 3.53 | 3.30 | CALL |

TNC Interseries Coaxial Adapters - 50 Ohm

| | | | | | |
|------------|--|------|------|------|------|
| AXA-RTJRSP | Coaxial Adapter, RP-TNC Jack/RF-SMA Plug | 5.00 | 4.60 | 4.20 | CALL |
| AXA-RTPRSJ | Coaxial Adapter, RP-TNC Plug/RF-SMA Jack | 5.00 | 4.60 | 4.20 | CALL |

7/16 DIN Interseries Coaxial Adapters - 50 Ohm

| | | | | | |
|----------|--|-------|-------|-------|------|
| AXA-NFDM | Coaxial Adapter, 7/16 DIN Male/Type N Female | 67.46 | 62.06 | 56.66 | CALL |
| AXA-NMDF | Coaxial Adapter, 7/16 DIN Female/Type N Male | 75.07 | 69.07 | 63.06 | CALL |



Coaxial Within Series Adapter Selection Matrix

Use this handy chart to locate the desired within series or T type adapter. Simply locate the connector type and configuration in the top row. Then find the connector type and gender in the left hand column. Intersect the row and column to determine availability. If a specific

adapter type is not listed, please visit our website at **L-com.com** for the latest information or call our technical support group at **800-343-1455** for assistance. Adapters listed are generally intended for use in the RF band.

| INTERFACE SERIES | SAME GENDER IN SERIES | | | | GENDER CHANGE IN SERIES | | | |
|----------------------|-----------------------|-------------------------|----------------------|-------------|-------------------------|--------------|---------------------------------|----------------------|
| | STRAIGHT | BULKHEAD | 3 PORT TEE (F, F, F) | RIGHT ANGLE | STRAIGHT | RIGHT ANGLE | 3 PORT TEE (F, M, F) | 3 PORT F or Y |
| BNC FEMALE | BA80, BA80E, BIF-CB | BA1087, BA1089, BA1087E | BA832, BA832E | | | BA240 | BA250, BA250E, BIF-TB1, BIF-TB2 | BA840 (F), BA845 (Y) |
| BNC FEMALE (75 Ohms) | BA016 | BA036, BA039 | BA019 | | | BA038 | BA035 | |
| BNC MALE | BA100 | | | | | | | |
| F FEMALE | | BA330A | BA132 | | BA124 | BA126, BA123 | | |
| F MALE | BA122 | | | | | | | |
| FME PLUG | AXA-FMEPFMEP | | | | | | | |
| FME JACK | AXA-FMEJFMEJ | | | | | | | |
| MINI UHF FEMALE | BA476 | | | | | BA470 | | |
| MINI UHF MALE | BA478 | | | | | | | |
| N FEMALE | AXA-NFNF | AXA-NFNF8, AXA-NFNF2 | BN133 | | | BN121 | BN126 | |
| N MALE | AXA-NMNM | | | AXA-NMNM90 | | AXA-NMNF90 | | |
| RCA FEMALE | | BA400(R, B, Y), BA400A | | | | | | |
| SMA FEMALE | BA23 | BA21 | BA18 | | | BA20 | BA19 | |
| SMA MALE | BA22, AXA-SMSM | | | | | | | |
| RP-SMA PLUG | AXA-RSPRSP | | | | | | | |
| RP-SMA JACK | | AXA-RSJRSJB | | | | | | |
| TNC FEMALE | | BA2301, BA1090 | | | BA4000 | | | |
| RP-TNC PLUG | AXA-RTPRTP | | | | | | | |
| RP-TNC JACK | AXA-RTJRTJ | | | | | | | |
| UHF FEMALE | BA170 | BA406Z | BA303 | | | BA404Z | | |
| UHF MALE | BA280 | | | | | | | |
| 7/16 DIN FEMALE | AXA-DFDF | | | | | | | |
| 7/16 DIN MALE | AXA-DMDM | | | | | | | |

**BNC Within Series Adapters - 50 Ohm**

| Item # | Description | 1-9 | 10-24 | 25-99 | 100+ |
|--------|--|------|-------|-------|------|
| BA80 | Coaxial Adapter, BNC Female/Female | 2.50 | 2.35 | 2.20 | CALL |
| BA100 | Coaxial Adapter, BNC Male/Male | 3.75 | 3.53 | 3.30 | CALL |
| BA240 | Coaxial Adapter, BNC Female/90° Male | 4.90 | 4.60 | 4.31 | CALL |
| BA250 | Coaxial T Adapter, BNC Female/Male/Female | 4.90 | 4.60 | 4.31 | CALL |
| BA832 | Coaxial T Adapter, BNC Female/Female/Female | 5.06 | 4.76 | 4.45 | CALL |
| BA840 | Coaxial Adapter, BNC Male/Female/Female | 9.79 | 9.20 | 8.62 | CALL |
| BA845 | Coaxial Adapter, BNC Female/Male/Female | 9.79 | 9.20 | 8.62 | CALL |
| BA1087 | Coaxial Adapter, BNC Bulkhead, Female/Female, Grounded | 4.90 | 4.60 | 4.31 | CALL |
| BA1089 | Coaxial Adapter, BNC Bulkhead, Female/Female, Insulated Ground | 6.15 | 5.78 | 5.41 | CALL |

Type F Interseries Coaxial Adapters - 50 Ohm

| | | | | | |
|-------|--|------|------|------|------|
| BA016 | Coaxial Adapter, BNC Female/Female (Splice) | 3.32 | 3.12 | 2.92 | CALL |
| BA019 | Coaxial T Adapter, BNC Female/Female/Female | 5.54 | 5.21 | 4.88 | CALL |
| BA035 | Coaxial T Adapter, BNC Female/Male/Female | 5.54 | 5.21 | 4.88 | CALL |
| BA036 | Coaxial Adapter, BNC Female/Female Bulkhead | 5.54 | 5.21 | 4.88 | CALL |
| BA038 | Coaxial Adapter, BNC Male/90° Female | 5.54 | 5.21 | 4.88 | CALL |
| BA039 | Coaxial Adapter, BNC Female/Female Bulkhead, Insulated | 6.32 | 5.94 | 5.56 | CALL |

Economy BNC Adapters - 50 Ohm - Cast Metal Components Save on Production Costs

| | | | | | |
|---------|---|------|------|------|------|
| BA80E | Economy Coaxial Adapter, BNC Female/Female | 1.63 | 1.53 | 1.44 | CALL |
| BA250E | Economy Coaxial T Adapter, BNC Female/Male/Female | 2.50 | 2.35 | 2.20 | CALL |
| BA832E | Economy Coaxial T Adapter, BNC Female/Female/Female | 3.75 | 3.53 | 3.30 | CALL |
| BA1087E | Economy Coaxial Adapter, BNC Bulkhead Adapter, Grounded | 3.75 | 3.53 | 3.30 | CALL |

FME Within Series Adapters - 50 Ohm

| | | | | | |
|--------------|------------------------------------|------|------|------|------|
| AXA-FMEJFMEJ | Coaxial Adapter, FME Jack/FME Jack | 3.75 | 3.45 | 3.15 | CALL |
| AXA-FMEPFMEP | Coaxial Adapter, FME Plug/FME Plug | 3.75 | 3.45 | 3.15 | CALL |

SMA Within Series Adapters - 50 Ohm

L-com offers the interseries coaxial adapters to help you match any SMA terminated cable to any other. Adapters are machined nickel plated brass, contacts are gold plated.

| | | | | | |
|-------------|---|------|------|------|------|
| BA18 | Coaxial Adapter, SMA Female/Female/Female | 7.13 | 6.70 | 6.27 | CALL |
| BA19 | Coaxial Adapter, SMA Female/Male/Female | 7.13 | 6.70 | 6.27 | CALL |
| BA20 | Coaxial Adapter, SMA Female/Male, 90° | 7.13 | 6.70 | 6.27 | CALL |
| BA21 | Coaxial Adapter, SMA Female/Female (Bulkhead) | 7.13 | 6.70 | 6.27 | CALL |
| BA22 | Coaxial Adapter, SMA Male/Male | 7.13 | 6.70 | 6.27 | CALL |
| BA23 | Coaxial Adapter, SMA Female/Female | 7.13 | 6.70 | 6.27 | CALL |
| AXA-SMSM | Coaxial Adapter, SMA Male/SMA Male Barrel Adapter | 4.35 | 4.00 | 3.66 | CALL |
| AXA-RSJRSJB | Coaxial Adapter, RP-SMA Jack/PP-SMA Jack Bulkhead Adapter | 5.00 | 4.60 | 4.20 | CALL |
| AXA-RSPRSP | Coaxial Adapter, RP-SMA Plug/PP-SMA Plug | 5.00 | 4.60 | 4.20 | CALL |

Type F Within Series Adapters - 75 Ohm

| | | | | | |
|--------|--|------|------|------|------|
| BA122 | Coaxial Adapter, Type F Male/Male | 2.23 | 2.09 | 1.96 | CALL |
| BA123 | Coaxial Adapter, Type F Female/Male, Right Angle | 2.23 | 2.09 | 1.96 | CALL |
| BA124 | Coaxial Adapter, Type F Male Push-on/Female | 1.40 | 1.31 | 1.23 | CALL |
| BA126 | Coaxial Adapter, Type F Female/Male Push On, 90° | 2.23 | 2.09 | 1.96 | CALL |
| BA132 | Coaxial T Adapter, Type F Female/Female/Female | 3.32 | 3.12 | 2.92 | CALL |
| BA330A | Coaxial Bulkhead Adapter, Type F Female/Female, (.5/1.3cm D-Hole), Insulated | 2.23 | 2.09 | 1.96 | CALL |

Some Connectors are sold in 10-Packs. See website for details. Adapters are sold individually.

RCA Female Feed-Thru Adapter - 75 Ohm - with Blue, Red, Yellow or White Insulators

These RCA feed-thru adapters feature color coded insulators for video and audio applications. This color coding helps avoid improper connections.

| Item # | Description | 1-9 | 10-24 | 25-99 | 100+ |
|--------|---|------|-------|-------|------|
| BA400B | Coaxial Adapter, RCA Bulkhead Female/Female, Blue Insulator | 4.09 | 3.85 | 3.60 | CALL |
| BA400R | Coaxial Adapter, RCA Bulkhead Female/Female, Red Insulator | 4.09 | 3.85 | 3.60 | CALL |
| BA400Y | Coaxial Adapter, RCA Bulkhead Female/Female, Yellow Insulator | 4.09 | 3.85 | 3.60 | CALL |
| BA400 | Coaxial Adapter, RCA Bulkhead Female/Female, White Insulator | 4.09 | 3.85 | 3.60 | CALL |
| BA400A | Coaxial Adapter, RCA Bulkhead Female/Female, 0.5" (1.3cm) Circular Hole | 4.09 | 3.85 | 3.60 | CALL |

Type N Within Series Adapters - 50 Ohm

| | | | | | |
|------------|---|------|------|------|------|
| AXA-NMNM | Coaxial Adapter, Type N Male/Male Barrel Adapter | 5.00 | 4.60 | 4.20 | CALL |
| AXA-NFNF | Coaxial Adapter, Type N Female/Female Bullet Adapter | 5.00 | 4.60 | 4.20 | CALL |
| AXA-NMNM90 | Coaxial Adapter, Type N Male/Male Right Angle Adapter | 7.40 | 6.81 | 6.21 | CALL |
| AXA-NMNF90 | Coaxial Adapter, Type N Male/Female Right Angle Adapter | 7.40 | 6.81 | 6.21 | CALL |
| AXA-NFNFB2 | Coaxial Adapter, Type N Female/Female 1/4" (0.6cm) (Bulkhead) | 4.35 | 4.00 | 3.66 | CALL |
| AXA-NFNFB | Coaxial Adapter, Type N Female/Female 1/8" (0.3cm) (Bulkhead) | 4.35 | 4.00 | 3.66 | CALL |
| BN121 | Coaxial Adapter, Type N Male/Female Right Angle Adapter | 7.13 | 6.70 | 6.27 | CALL |
| BN126 | Coaxial T Adapter, Type N Female/Female/Male | 7.13 | 6.70 | 6.27 | CALL |
| BN133 | Coaxial T Adapter, Type N Female/Female/Female | 7.13 | 6.70 | 6.27 | CALL |

Mini-UHF Within Series Adapters - 50 Ohm

| | | | | | |
|-------|---|-------|-------|------|------|
| BA470 | Coaxial Adapter, Mini-UHF Female/90° Male | 11.10 | 10.43 | 9.77 | CALL |
| BA476 | Coaxial Adapter, Mini-UHF Female/Female | 4.90 | 4.60 | 4.31 | CALL |
| BA478 | Coaxial Adapter, Mini-UHF Male/Male | 4.90 | 4.60 | 4.31 | CALL |

UHF Within Series Adapters - 50 Ohm

| | | | | | |
|--------|--|------|------|------|------|
| BA170 | Coaxial Adapter, UHF Female/Female | 3.75 | 3.53 | 3.30 | CALL |
| BA280 | Coaxial Adapter, UHF Male/Male | 4.90 | 4.60 | 4.31 | CALL |
| BA303 | Coaxial T Adapter, UHF Female/Female/Female | 7.40 | 6.95 | 6.51 | CALL |
| BA404Z | Coaxial Adapter, UHF Male/90° Female | 7.40 | 6.95 | 6.51 | CALL |
| BA406Z | Coaxial Adapter, UHF Feed-Thru Female/Female | 7.40 | 6.95 | 6.51 | CALL |

TNC Within Series Adapters - 50 Ohm

| | | | | | |
|-------------|--|------|------|------|------|
| BA2301 | Coaxial Adapter, TNC Bulkhead, Female/Female, Grounded | 6.15 | 5.78 | 5.41 | CALL |
| BA1090 | Coaxial Adapter, TNC Bulkhead, Female/Female, Insulated Ground | 7.40 | 6.95 | 6.51 | CALL |
| BA4000 | Coaxial Adapter, TNC Male/Female | 4.68 | 4.40 | 4.12 | CALL |
| AXA-RTJRTJ | Coaxial Adapter, RP-TNC Jack to RP-TNC Jack Bullet Adapter | 5.00 | 4.60 | 4.20 | CALL |
| AXA-RTPTP | Coaxial Adapter, RP-TNC Plug to RP-TNC Plug Barrel Adapter | 4.35 | 4.00 | 3.66 | CALL |
| AXA-RTPTJ90 | Coaxial Adapter, RP-TNC Plug to RP-TNC Jack, Right Angle | 7.13 | 6.56 | 5.99 | CALL |

7/16 DIN Within Series Adapters - 50 Ohm

| | | | | | |
|----------|---|-------|-------|-------|------|
| AXA-DMDM | Coaxial Adapter, 7/16 DIN Male/Male | 51.14 | 47.05 | 42.95 | CALL |
| AXA-DFDF | Coaxial Adapter, 7/16 DIN Female/Female | 50.05 | 46.04 | 42.04 | CALL |

Insulated Coaxial Connections - 50 Ohm - Needed to Prevent Ground Loops and Noise

Data signals are particularly susceptible to both ground loop and common mode interference. Reducing the number of ground points of a coaxial wiring system reduces the number of potential ground loops and multiple noise currents.

| | | | | | |
|---------|---|------|------|------|------|
| BIF-CB | Coaxial Coupler, BNC Female/Female | 3.75 | 3.45 | 3.15 | CALL |
| BIF-TB2 | Coaxial T Adapter, BNC Female/Male/Female | 7.34 | 6.90 | 6.46 | CALL |



BA400R AXA-NMNM



AXA-NFNF AXA-NFNFB2



AXA-NMNM90 AXA-NFNFB



BN121 BN126



BN133 BA470



BA476 BA478 BA2301



BA1090 BA4000 AXA-RTJRTJ



AXA-RTPTP AXA-RTPTJ90



AXA-DMDM AXA-DFDF



BIF-CB BIF-TB2



BIF-H Pkg/10 BIF-P-58 Pkg/10



BIF-P-58 Shown on cable BIF-P-58 Pkg/10

**BNC Connector Identifiers/Insulators - Take on New Look with Color-Coded Insulated Covers**

The conventional BNC crimp connector may now be modified to be fully insulated, helping eliminate ground loop problems. Our colorful slip-on insulated covers are quick to assemble and provide color coding. The hood cover is installed over the BNC movable collar; the plastic bend strain protector is slipped on over ferrule after the crimping operation. An important feature is the added support offered by the bend-protector; it helps prevent cable breakage.

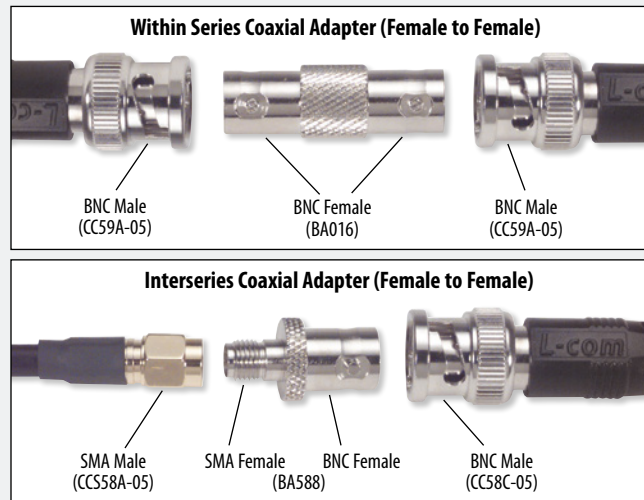
| Item # | Description | Color | 1-9 | 10-24 | 25-99 | 100+ |
|--------------|--|-------|------|-------|-------|------|
| BIF-H0 | Coaxial Connector Cover for BNC, Pkg/10 | Black | 2.39 | 2.20 | 2.01 | CALL |
| BIF-H2 | Coaxial Connector Cover for BNC, Pkg/10 | Red | 2.39 | 2.20 | 2.01 | CALL |
| BIF-H5 | Coaxial Connector Cover for BNC, Pkg/10 | Green | 2.39 | 2.20 | 2.01 | CALL |
| BIF-H6 | Coaxial Connector Cover for BNC, Pkg/10 | Blue | 2.39 | 2.20 | 2.01 | CALL |
| BIF-H9 | Coaxial Connector Cover for BNC, Pkg/10 | White | 2.39 | 2.20 | 2.01 | CALL |
| BIF-P0-58 | Coaxial Plastic Bend Protector for RG58, Pkg/10 | Black | 3.05 | 2.80 | 2.56 | CALL |
| BIF-P2-58 | Coaxial Plastic Bend Protector for RG58, Pkg/10 | Red | 3.05 | 2.80 | 2.56 | CALL |
| BIF-P5-58 | Coaxial Plastic Bend Protector for RG58, Pkg/10 | Green | 3.05 | 2.80 | 2.56 | CALL |
| BIF-P6-58 | Coaxial Plastic Bend Protector for RG58, Pkg/10 | Blue | 3.05 | 2.80 | 2.56 | CALL |
| BIF-P0-59/62 | Coaxial Plastic Bend Protector for RG59/RG62, Pkg/10 | Black | 2.12 | 1.95 | 1.78 | CALL |
| BIF-P2-59/62 | Coaxial Plastic Bend Protector for RG59/RG62, Pkg/10 | Red | 2.12 | 1.95 | 1.78 | CALL |
| BIF-P5-59/62 | Coaxial Plastic Bend Protector for RG59/RG62, Pkg/10 | Green | 2.12 | 1.95 | 1.78 | CALL |
| BIF-P6-59/62 | Coaxial Plastic Bend Protector for RG59/RG62, Pkg/10 | Blue | 2.12 | 1.95 | 1.78 | CALL |
| BIF-P9-59/62 | Coaxial Plastic Bend Protector for RG59/RG62, Pkg/10 | White | 2.12 | 1.95 | 1.78 | CALL |

Some Connectors are sold in 10-Packs. See website for details. Adapters are sold individually.

Tip What is the difference between a *WITHIN SERIES* coaxial adapter and an *INTERSERIES* coaxial adapter?

A **WITHIN SERIES** coaxial adapter connects between two interfaces of the same series (i.e. SMA to SMA) in female to female, male to female or male to male configurations.

An **INTERSERIES** coaxial adapter connects between two interfaces of different series (i.e. SMA to BNC) in female to female, male to female or male to male configurations.



BAK300



BAK400



BA1200K



BA1700K

Deluxe Coaxial Adapter Kit - Immediate Assembly of 108 Adapters

Thirty component parts interchangeably screw together to form up to 108 different types of coaxial adapters, all in a matter of seconds. Disassemble them when you're through, for use next time. Truly a problem solver for those unique situations and it replaces a drawer full of adapters. Premium quality, having gold center pins and Teflon insulators for good conductivity and low loss. All components are gold plated to prevent long term oxidation. The deluxe coaxial adapter kit contains male and female: Type N, BNC, TNC, SMA, UHF and Mini-UHF types of interconnections. Mix and match to suit your immediate needs. Supplied in a handy leatherette, zippered storage case ideal for portable use.

| Item # | Description | 1-9 | 10-24 | 25-99 | 100+ |
|--------|----------------------------|--------|--------|--------|------|
| BAK300 | Deluxe Coaxial Adapter Kit | 150.24 | 144.23 | 138.22 | CALL |

Premium Coaxial Adapter Kit - Assemble up to 192 Different Adapters

Forty component parts interchangeably screw together to form up to 192 different types of coaxial adapters. The secret is the special in-between fittings that allow you to assemble virtually any coaxial adapter in a matter of seconds. Mix and match to suit your needs. Disassemble them when you're through for use next time. A problem solver for those unique situations and it replaces a drawer full of adapters. Premium quality, featuring gold plated pins and Teflon insulators and gold plated overall. Kit assembles the same types as the BAK300, plus RCA-Phono and Type F. Supplied in portable black leatherette zippered storage case. No technician or third party maintenance person should be without this.

| | | | | | |
|--------|-----------------------------|--------|--------|--------|------|
| BAK400 | Premium Coaxial Adapter Kit | 180.29 | 173.08 | 165.87 | CALL |
|--------|-----------------------------|--------|--------|--------|------|

SMA Interseries Adapter Kit - 10 of the Most Commonly Used Adapters

The BA1200K includes 10 of the most commonly used SMA interseries adapters. This kit is a super value versus buying the parts separately and includes a free 7 compartment plastic case. Adapters included are: BA20, BA23 (2), BA28 (2), BA29 (2), BA34, BA38, BA588.

| | | | | | |
|---------|-----------------------------|-------|-------|-------|------|
| BA1200K | SMA Interseries Adapter Kit | 61.13 | 57.46 | 53.79 | CALL |
|---------|-----------------------------|-------|-------|-------|------|

BNC Within Series Adapter Kit

This useful adapter kit offers a super value to buying parts separately. Kit includes various BNC adapters as well as 3 port tees and right angle configurations all stored in a multi compartment storage case. Adapters are machined and plated for corrosion resistance and long life.

| | | | | | |
|---------|-----------------|-------|-------|-------|------|
| BA1700K | BNC Adapter Kit | 48.69 | 45.77 | 42.85 | CALL |
|---------|-----------------|-------|-------|-------|------|

BNC Interseries Assortment - Adapters to Mate SMA, UHF, RCA and Type F

A handy adapter assortment to have in the lab or workshop. How many times did you come up with a mismatch in coaxial cables and nowhere to turn to make the connection? We have the answer with our Interseries Assortment that contains eleven adapters, one each of the following: BA28, BA38, BA50, BA60, BA90, BA94, BA95, BA120, BA125, BA220 and BA230. Seven compartment carry case included.

| | | | | | |
|---------|------------------------------------|-------|-------|-------|------|
| BA1800K | BNC Interseries Adapter Assortment | 48.69 | 45.77 | 42.85 | CALL |
|---------|------------------------------------|-------|-------|-------|------|

Tip What makes up the different types of connectors?

The two main components of a connector that determine the mating type (sex) are the **BODY** and the **PIN**.



Here is a Standard Polarity Plug connector:

It is made up of a **PLUG BODY** and a **MALE PIN**. Standard polarity plug connectors can also be known as Male Connectors.



Here is a Reverse Polarity Plug connector:

It is made up of a **PLUG BODY** and a **FEMALE PIN**. The polarity of the pin is reversed, thus making it a Reverse Polarity Plug Connector.



Here is a Standard Polarity Jack connector:

It is made up of a **JACK BODY** and a **FEMALE PIN**. Standard polarity jack connectors can also be known as Female Connectors.



Here is a Reverse Polarity Jack connector:

It is made up of a **JACK BODY** and a **MALE PIN**. Again the polarity of the pin is reversed, thus making it a Reverse Polarity Jack Connector.

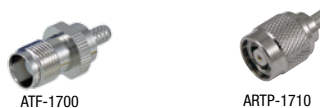
Coaxial Connector Selection Matrix

Use this handy chart to locate the desired coaxial connector. Simply locate the connector type and gender in the top row. Then find the coaxial cable type in the left hand column. Intersect the row and column to determine availability. Connectors shown in this matrix are listed on pages 194 thru 197. If a specific

connector type is not listed, please visit our website at **L-com.com** for the latest information or call our technical support group at **800-343-1455** for assistance. Connectors listed are generally intended for use in the RF band. Assembly tools can be found on pages 202 and 203.

| PLUG TYPES | | | | | | | | | | | | | |
|------------------------|--|-----------------------------------|------------------------|--|--|---------------------------|-----------------------|---|-----------|------------------|--------------------------------|----------------------------------|-----------|
| CABLE TYPE | BNC | TNC | RP-TNC | SMA | RP-SMA | SMB | QMA | TYPE N | RP-TYPE N | MCX | MMCX | TYPE F | RCA |
| RG6 (75 Ohm) | BAC026, BAC029 BAC032 | | | | | | | | | | | BAC529 BAC-EX6 | |
| RG6Q (75 Ohm) | BAC042 | | | | | | | | | | | | |
| RG58 (50 Ohm) | BAC836A-58, BAC10A BIF-83, BAC838-58 | BAC898-58 BAC500 BAC525 | | BAC03, BAC03-G BAC02, BAC02-G | | | | BAC519 | | | | | |
| RG58 (50 Ohm) Plenum | BAC836A-58P | | | | | | | | | | | | |
| RG59 (75 Ohm) Plenum | BAC028, BAC031, BAC541 | | | | | | | | | | | | |
| RG59/6 (75 Ohm) | BAC027, BAC027A BAC030, BAC836A-59 BAC033, BAC024 BAC706, BAC985 BAC543 | BAC933-59 BAC893-59 | | | | | | | | | | BAC-CF559U BAC530 BAC-EX59 | BAC700-59 |
| RG142 | | | | | | | | ANM-1J00 | | | | | |
| RG174/188/316 (50 Ohm) | BAC836B-74 BAC546 | BAC531 BAC537 | BAC541 | BAC03A, BAC03A-G BAC02A, BAC02A-G BAC502 | | | | BAC523 ANM-1114 | ARTP-1100 | BAC507 BAC508 | BAC509 BAC510 ARMMP-1100 | | |
| RG179/187/CTL (75 Ohm) | BAC836B-87, BAC551 | | | | | | | | | | | | |
| RG213 (50 Ohm) | | BAC504 | | | | | | BAN111, BAC506 | | | | | |
| RG223 (50 Ohm) | BAC547 | BAC534, BAC545 | | | | | | ANM-1J00, BAC536 | | | | | |
| 734 (75 Ohm) | BAC-UPL220-025 | | | | | | | | | | | | |
| 735 (75 Ohm) | BAC-UPL220-026 | | | | | | | | | | | | |
| 1505A (75 Ohm) | BAC-UPL2000-D2B | | | | | | | | | | | | |
| 1506A (75 Ohm) | BAC-UPL2000-D8B | | | | | | | | | | | | |
| BELDEN 9913 | HPC992 | HPC993 | | | | | | HPC994 | | | | | |
| BELDEN 7807 | HPC782 | HPC783 | | HPC781 | | | | | | | | | |
| PANEL MOUNT | BAC1501 | | | | | | | | | | | | |
| Low Loss 100 Series | | | | ASM-1102 | ARSP-1100 | ASMBP-1100, ASMBP-1102 | | ANM-1114 | | AMM-1102 | AMMM-1106 AMMM-1104 | | |
| Low Loss 195 Series | ABM-1700, ABM-1702 | ATM-1700 | ARTP-1708 ARTP-1714 | ASM-1714 ASM-1710 ASM-1708 | ARSP-1700 ARSP-1702 ARSP-1726 ARSP-1728 | | AQP-1700, AQP-1702 | ANM-1700 ANM-1716 | ARNP-1700 | | | AFM-1700 | |
| Low Loss 200 Series | | ATM-1204 | ARTP-1200 | HPC201, HPC202 | ARSP-1202 | | | ANM-1202 | | | | | |
| Low Loss 240 Series | | ATM-1506 | ARTP-1502 | ASM-1504 | ARSP-1504 | | | ANM-1508, ANM-1516 | | | | | |
| Low Loss 300 Series | | | ARTP-1312 | | | | | ANM-1304 | | | | | |
| Low Loss 400 Series | | ATM-1402 ATM-1416 ATML-1400 | ARTP-1404 | HPC401, ASM-1406 | ARSP-1404 | | | HPC404, ANM-2400, ANM-1406, ANM-1416 ANM-1420, ANM-2402 | ARNP-1404 | | | | |
| Low Loss 600 Series | | | ARTP-1606 | | | | | ANM-2602, ANM-1610, ANM-1616 | | | | | |
| Low Loss 900 Series | | | | | | | | ANM-2904 | | | | | |

| JACK TYPES | | | | | | | | | | | | |
|------------------------|---------------------------|--------------------------|----------------------|----------------------------------|----------------------|------------|--------------------------------|-----------|----------|------------|--------|--|
| CABLE TYPE | BNC | TNC | RP-TNC | SMA | RP-SMA | SMB | TYPE N | RP-TYPE N | QMA | FME | TYPE F | |
| RG6 (75 Ohm) | BAC516 | | | | | | | | | | | |
| RG58 (50 Ohm) | BAC515, BAC522 | BAC513, BAC501 BAC518 | | BAC05, BAC04 | | | BAC524 | | | | | |
| RG58 (50 Ohm) Plenum | | | | | | | BAC527 | | | | | |
| RG59/6 (75 Ohm) | BAC908-59 BAC552 | | | | | | | | | | BAC520 | |
| RG142 | BAC548 | BAC553, BAC554 | | | | | BAC544 | | | | | |
| RG174/188/316 (50 Ohm) | BAC517, BAC540 | BAC514, BAC528 | | BAC05A, BAC06A BAC503, BAC512 | | | | | | | | |
| RG179/187/CTL (75 Ohm) | BAC550 | | | | | | | | | | | |
| RG223 (50 Ohm) | | | | | | | BAC544, BAC542 | | | | | |
| Panel Mount | BAC260, BAC1503 BAC70A | | | BAC16 | | | ANF-4000 | | | | | |
| Low Loss 100 Series | | | ARTJ-1100 | | | ASMBJ-1100 | | | | | | |
| Low Loss 195 Series | | ATF-3700, ATF-1700 | ARTJ-1708, ARTJ-3702 | ASF-3700, ASF-1708 | ARSJ-3700, ARSJ-1700 | | ANF-3700, ANF-1700 ANF-5700 | ARNJ-1700 | AQJ-3700 | AFMEJ-1700 | | |
| Low Loss 200 Series | | | | | | | ANF-1202 | | | | | |
| Low Loss 240 Series | | ATF-1506 | | | | | ANF-1508 | | | | | |
| Low Loss 300 Series | | | | | | | ANF-1304 | | | | | |
| Low Loss 400 Series | | ATF-1402 | ARTJ-3400, ARTJ-1404 | | ARSJ-1404 | | ANF-2400, ANF-1406 | ARNJ-1404 | | | | |
| Low Loss 600 Series | | | ARTJ-1606 | | | | ANF-2602, ANF-1610 | | | | | |
| Low Loss 900 Series | | | | | | | ANF-2904 | | | | | |



Coaxial Connectors

In addition to the most popular styles, L-com also provides harder to find connectors for all your application needs. Configurations include crimp style, clamp style, bulkhead style and panel mount connectors. Each connector is precision manufactured using only the highest quality materials.

| Item # | Description | Cable Type | Attachment | 1-9 | 10-24 | 25-99 | 100+ |
|--------|-------------|------------|------------|-----|-------|-------|------|
|--------|-------------|------------|------------|-----|-------|-------|------|

TNC Coaxial Connectors, 50 Ohm

| | | | | | | | |
|-----------|-------------------------------------|---------------------------|------------------|------|------|------|------|
| BAC893-58 | TNC Male | RG58 | Crimp | 3.05 | 2.86 | 2.68 | CALL |
| BAC525 | TNC Male, Right Angle | RG58 | Crimp | 5.77 | 5.42 | 5.07 | CALL |
| BAC537 | TNC Male, Right Angle | RG174/RG188/RG316 | Crimp | 7.94 | 7.47 | 6.99 | CALL |
| BAC545 | TNC Male | RG223 | Crimp | 6.09 | 5.73 | 5.36 | CALL |
| BAC531 | TNC Male | RG174/RG188/RG316 | Crimp | 6.69 | 6.29 | 5.89 | CALL |
| BAC504 | TNC Male | RG213 | Crimp | 3.05 | 2.86 | 2.68 | CALL |
| ATM-1204 | TNC Male | Low Loss 200-Series | Crimp | 3.86 | 3.55 | 3.24 | CALL |
| ATM-1506 | TNC Male | Low Loss 240-Series | Crimp | 4.52 | 4.15 | 3.79 | CALL |
| ATM-1402 | TNC Male | Low Loss 400-Series | Crimp | 4.52 | 4.15 | 3.79 | CALL |
| ATM-1416 | TNC Male, Right Angle | Low Loss 400-Series | Crimp | 5.77 | 5.31 | 4.84 | CALL |
| ATML-1400 | TNC Male, Reverse Thread | Low Loss 400-Series | Crimp | 4.24 | 3.90 | 3.56 | CALL |
| BAC513 | TNC Female | RG58 | Crimp | 3.05 | 2.86 | 2.68 | CALL |
| BAC514 | TNC Female | RG174/RG188/RG316 | Crimp | 3.05 | 2.86 | 2.68 | CALL |
| BAC528 | TNC Female, Bulkhead | RG174/RG188/RG316 | Crimp | 7.29 | 6.85 | 6.41 | CALL |
| BAC553 | TNC Female | RG142/RG223/RG400 | Crimp | 6.69 | 6.29 | 5.89 | CALL |
| BAC554 | TNC Female, Bulkhead | RG142/RG223/RG400 | Crimp | 7.62 | 7.16 | 6.70 | CALL |
| ATF-1700 | TNC Female | Low Loss 195-Series, RG58 | Crimp | 2.07 | 1.90 | 1.74 | CALL |
| ATF-1506 | TNC Female | Low Loss 240-Series | Crimp | 4.24 | 3.90 | 3.56 | CALL |
| ATF-1402 | TNC Female | Low Loss 400-Series | Crimp | 4.90 | 4.50 | 4.11 | CALL |
| ATF-3700 | TNC Female, Bulkhead | Low Loss 195-Series, RG58 | Crimp | 4.24 | 3.90 | 3.56 | CALL |
| ARTP-1A10 | Reverse Polarity TNC Plug | RG66 | Crimp | 3.86 | 3.55 | 3.24 | CALL |
| ARTP-1100 | Reverse Polarity TNC Plug | RG316/RG174/RG188 | Crimp | 6.04 | 5.56 | 5.07 | CALL |
| ARTP-1708 | Reverse Polarity TNC Plug | Low Loss 195-Series, RG58 | Crimp | 3.86 | 3.55 | 3.24 | CALL |
| ARTP-1710 | Reverse Polarity TNC Plug | Low Loss 195-Series, RG58 | Solderless/Crimp | 2.83 | 2.72 | 2.60 | CALL |
| ARTP-1200 | Reverse Polarity TNC Plug | Low Loss 200-Series | Crimp | 3.86 | 3.55 | 3.24 | CALL |
| ARTP-1502 | Reverse Polarity TNC Plug | Low Loss 240-Series | Crimp | 5.11 | 4.70 | 4.30 | CALL |
| ARTP-1312 | Reverse Polarity TNC Plug | Low Loss 300-Series | Crimp | 5.11 | 4.70 | 4.30 | CALL |
| ARTP-1404 | Reverse Polarity TNC Plug | Low Loss 400-Series | Crimp | 5.11 | 4.70 | 4.30 | CALL |
| ARTP-1406 | Reverse Polarity TNC Plug | Low Loss 400-Series | Solderless/Crimp | 4.52 | 4.33 | 4.15 | CALL |
| ARTP-1606 | Reverse Polarity TNC Plug | Low Loss 600-Series | Crimp | 6.42 | 5.91 | 5.39 | CALL |
| BAC501 | Reverse Polarity TNC Jack | RG58 | Crimp | 6.04 | 5.68 | 5.31 | CALL |
| ARTJ-3702 | Reverse Polarity TNC Jack, Bulkhead | Low Loss 195-Series, RG58 | Crimp | 3.86 | 3.55 | 3.24 | CALL |
| ARTJ-3704 | Reverse Polarity TNC Jack, Bulkhead | Low Loss 195-Series, RG58 | Solderless/Crimp | 4.35 | 4.18 | 4.00 | CALL |
| ARTJ-1708 | Reverse Polarity TNC Jack | Low Loss 195-Series, RG58 | Crimp | 3.86 | 3.55 | 3.24 | CALL |
| ARTJ-3400 | Reverse Polarity TNC Jack, Bulkhead | Low Loss 400-Series | Crimp | 3.97 | 3.65 | 3.34 | CALL |
| ARTJ-1404 | Reverse Polarity TNC Jack | Low Loss 400-Series | Crimp | 4.24 | 3.90 | 3.56 | CALL |
| ARTJ-1606 | Reverse Polarity TNC Jack | Low Loss 600-Series | Crimp | 4.35 | 4.00 | 3.66 | CALL |

TNC Coaxial Connectors, 75 Ohm

| | | | | | | | |
|-----------|----------|------|----------|------|------|------|------|
| BAC893-59 | TNC Male | RG59 | Crimp | 2.85 | 2.68 | 2.51 | CALL |
| BAC933-59 | TNC Male | RG59 | Twist On | 3.73 | 3.51 | 3.28 | CALL |

SMA Coaxial Connectors, 50 Ohm

| | | | | | | | |
|-----------|--------------------------------------|---------------------------|------------------|-------|-------|-------|------|
| ARSP-1726 | Reverse Polarity SMA Plug, Rt. Angle | Low Loss 195-Series, RG58 | Solderless/Crimp | 5.11 | 4.70 | 4.30 | CALL |
| ARSP-1728 | Reverse Polarity SMA Plug | Low Loss 195-Series, RG58 | Solderless/Crimp | 5.22 | 4.80 | 4.39 | CALL |
| BAC03-G | SMA Male, Gold | RG58 | Crimp | 5.17 | 4.86 | 4.55 | CALL |
| BAC02-G | SMA Male, Right Angle Gold | RG58 | Crimp | 5.17 | 4.86 | 4.55 | CALL |
| ASM-1710 | SMA Male, Right Angle | Low Loss 195-Series, RG58 | Crimp | 4.24 | 3.90 | 3.56 | CALL |
| ASM-1708 | SMA Male | Low Loss 195-Series, RG58 | Crimp | 4.24 | 3.90 | 3.56 | CALL |
| BAC02A | SMA Male, Right Angle Nickel | RG174/RG188/RG316 | Crimp | 5.17 | 4.86 | 4.55 | CALL |
| BAC03A | SMA Male, Nickel | RG174/RG188/RG316 | Crimp | 5.17 | 4.86 | 4.55 | CALL |
| BAC03A-G | SMA Male, Gold | RG174/RG188/RG316 | Crimp | 5.17 | 4.86 | 4.55 | CALL |
| BAC02A-G | SMA Male, Right Angle Gold | RG174/RG188/RG316 | Crimp | 4.79 | 4.50 | 4.21 | CALL |
| ASM-1102 | SMA Male | Low Loss 100-Series | Crimp | 4.24 | 3.90 | 3.56 | CALL |
| ASM-1504 | SMA Male | Low Loss 240-Series | Crimp | 3.86 | 3.55 | 3.24 | CALL |
| ASM-1406 | SMA Male | Low Loss 400-Series | Crimp | 4.24 | 3.90 | 3.56 | CALL |
| HPC401 | SMA Male | Low Loss 400-Series | Crimp | 11.59 | 11.12 | 10.66 | CALL |
| BAC06A | SMA Female, Bulkhead Gold | RG174/RG188/RG316 | Crimp | 6.42 | 6.03 | 5.65 | CALL |
| BAC05A | SMA Female, Nickel | RG174/RG188/RG316 | Crimp | 6.42 | 6.03 | 5.65 | CALL |
| ASF-3700 | SMA Female, Bulkhead | Low Loss 195-Series, RG58 | Crimp | 4.24 | 3.90 | 3.56 | CALL |
| ASF-1708 | SMA Female | Low Loss 195-Series, RG58 | Crimp | 4.24 | 3.90 | 3.56 | CALL |
| BAC503 | Reverse Polarity SMA Jack, Bulkhead | RG174/RG188/RG316 | Crimp | 6.04 | 5.68 | 5.31 | CALL |
| BAC512 | Reverse Polarity SMA Jack | RG174/RG188/RG316 | Crimp | 6.69 | 6.29 | 5.89 | CALL |
| ARSJ-3100 | Reverse Polarity SMA Jack, Bulkhead | Low Loss 100-Series | Crimp | 2.99 | 2.75 | 2.51 | CALL |
| ARSJ-3700 | Reverse Polarity SMA Jack, Bulkhead | Low Loss 195-Series, RG58 | Crimp | 5.11 | 4.70 | 4.30 | CALL |
| ARSJ-1700 | Reverse Polarity SMA Jack | Low Loss 195-Series, RG58 | Crimp | 5.11 | 4.70 | 4.30 | CALL |
| ARSJ-1404 | Reverse Polarity SMA Jack | Low Loss 400-Series | Crimp | 5.11 | 4.70 | 4.30 | CALL |
| BAC502 | Reverse Polarity SMA Plug | RG174/RG188/RG316 | Crimp | 6.04 | 5.68 | 5.31 | CALL |
| ARSP-1100 | Reverse Polarity SMA Plug | Low Loss 100-Series | Crimp | 4.24 | 3.90 | 3.56 | CALL |
| ARSP-1700 | Reverse Polarity SMA Plug | Low Loss 195-Series, RG58 | Crimp | 5.22 | 4.80 | 4.39 | CALL |
| ARSP-1702 | Reverse Polarity SMA Plug, Rt Angle | Low Loss 195-Series, RG58 | Crimp | 5.11 | 4.70 | 4.30 | CALL |
| ARSP-1202 | Reverse Polarity SMA Plug | Low Loss 200-Series | Crimp | 4.24 | 3.90 | 3.56 | CALL |
| HPC202 | Reverse Polarity SMA Plug | Low Loss 200-Series | Crimp | 7.62 | 7.31 | 7.01 | CALL |
| ARSP-1504 | Reverse Polarity SMA Plug | Low Loss 240-Series | Crimp | 5.11 | 4.70 | 4.30 | CALL |
| ARSP-1404 | Reverse Polarity SMA Plug | Low Loss 400-Series | Crimp | 6.42 | 5.91 | 5.39 | CALL |

Type N Coaxial Connectors, 50 Ohm

| Item # | Description | Cable Type | Attachment | 1-9 | 10-24 | 25-99 | 100+ |
|-----------|---|---------------------------|------------------|-------|-------|-------|------|
| ANM-1A18 | Type N Male | RG6 | Crimp | 4.24 | 3.90 | 3.56 | CALL |
| BAC536 | Type N Male | RG142/RG223/RG400 | Crimp | 6.69 | 6.29 | 5.89 | CALL |
| BAC523 | Type N Male | RG174 | Crimp | 8.21 | 7.72 | 7.23 | CALL |
| BAC506 | Type N Male | RG213 | Crimp | 7.29 | 6.85 | 6.41 | CALL |
| BAN111 | Type N Male | RG213 | Clamp | 7.62 | 7.16 | 6.70 | CALL |
| ANM-1J00 | Type N Male, Right Angle | RG142/RG223/RG400 | Crimp | 8.21 | 7.72 | 7.23 | CALL |
| ANM-1114 | Type N Male | RG316/RG174/RG188 | Crimp | 4.24 | 3.90 | 3.56 | CALL |
| ANM-1700 | Type N Male | Low Loss 195-Series, RG58 | Crimp | 4.24 | 3.90 | 3.56 | CALL |
| ANM-1716 | Type N Male, Right Angle | Low Loss 195-Series, RG58 | Crimp | 5.11 | 4.70 | 4.30 | CALL |
| ANM-1202 | Type N Male | Low Loss 200-Series | Crimp | 4.35 | 4.00 | 3.66 | CALL |
| ANM-1508 | Type N Male | Low Loss 240-Series | Crimp | 4.24 | 3.90 | 3.56 | CALL |
| ANM-1516 | Type N Male, Right Angle | Low Loss 240-Series | Crimp | 7.62 | 7.01 | 6.40 | CALL |
| ANM-1304 | Type N Male | Low Loss 300-Series | Crimp | 4.24 | 3.90 | 3.56 | CALL |
| ANM-1406 | Type N Male | Low Loss 400-Series | Crimp | 4.24 | 3.90 | 3.56 | CALL |
| ANM-1416 | Type N Male, Right Angle | Low Loss 400-Series | Crimp | 5.11 | 4.70 | 4.30 | CALL |
| ANM-1420 | Type N Male | Low Loss 400-Series | Solderless/Crimp | 4.35 | 4.00 | 3.66 | CALL |
| ANM-2400 | Type N Male | Low Loss 400-Series | Clamp | 4.52 | 4.15 | 3.79 | CALL |
| ANM-2402 | Type N Male, Right Angle | Low Loss 400-Series | Clamp | 9.68 | 8.91 | 8.13 | CALL |
| ANM-2602 | Type N Male | Low Loss 600-Series | Clamp | 6.42 | 5.91 | 5.39 | CALL |
| ANM-1610 | Type N Male | Low Loss 600-Series | Crimp | 7.72 | 7.11 | 6.49 | CALL |
| ANM-1616 | Type N Male, Right Angle | Low Loss 600-Series | Crimp | 7.62 | 7.01 | 6.40 | CALL |
| ANM-2904 | Type N Male | Low Loss 900-Series | Clamp | 36.56 | 33.63 | 30.71 | CALL |
| BAC527 | Type N Female | RG174/RG188/RG316 | Crimp | 8.81 | 8.28 | 7.76 | CALL |
| BAC542 | Type N Female, Bulkhead | RG55/RG141/RG142/RG223 | Crimp | 6.04 | 5.68 | 5.31 | CALL |
| BAC544 | Type N Female | RG55/RG141/RG142/RG223 | Crimp | 7.29 | 6.85 | 6.41 | CALL |
| ANF-1700 | Type N Female | Low Loss 195-Series, RG58 | Crimp | 4.24 | 3.90 | 3.56 | CALL |
| ANF-3700 | Type N Female, Bulkhead | Low Loss 195-Series, RG58 | Crimp | 5.11 | 4.70 | 4.30 | CALL |
| ANF-5700 | Type N Female, Panel Mount | Low Loss 195-Series, RG58 | Crimp | 4.52 | 4.15 | 3.79 | CALL |
| ANF-1202 | Type N Female | Low Loss 200-Series | Crimp | 4.24 | 3.90 | 3.56 | CALL |
| ANF-1508 | Type N Female | Low Loss 240-Series | Crimp | 4.24 | 3.90 | 3.56 | CALL |
| ANF-1304 | Type N Female | Low Loss 300-Series | Crimp | 4.35 | 4.00 | 3.66 | CALL |
| ANF-1406 | Type N Female | Low Loss 400-Series | Crimp | 4.24 | 3.90 | 3.56 | CALL |
| ANF-2400 | Type N Female | Low Loss 400-Series | Clamp | 4.52 | 4.15 | 3.79 | CALL |
| ANF-1610 | Type N Female | Low Loss 600-Series | Crimp | 7.67 | 7.06 | 6.44 | CALL |
| ANF-2602 | Type N Female | Low Loss 600-Series | Clamp | 6.09 | 5.61 | 5.12 | CALL |
| ANF-2906 | Type N Female | Low Loss 900-Series | Clamp | 36.56 | 33.63 | 30.71 | CALL |
| ANF-2904 | Type N Female, Times Microwave® #EZ-900-NFC-2 | Low Loss 900-Series | Clamp | 91.39 | 84.08 | 76.77 | CALL |
| ARNJ-1700 | Reverse Polarity Type N Jack | Low Loss 195-Series, RG58 | Crimp | 5.11 | 4.70 | 4.30 | CALL |
| ARNJ-1404 | Reverse Polarity Type N Jack | Low Loss 400-Series | Crimp | 5.11 | 4.70 | 4.30 | CALL |
| ARNP-1700 | Reverse Polarity Type N Plug | Low Loss 195-Series, RG58 | Crimp | 5.11 | 4.70 | 4.30 | CALL |
| ARNP-1404 | Reverse Polarity Type N Plug | Low Loss 400-Series | Crimp | 5.11 | 4.70 | 4.30 | CALL |

BNC Coaxial Connectors, 50 Ohm

| | | | | | | | |
|-------------|---------------------------|---------------------------|------------------|------|------|------|------|
| BAC836A-58 | BNC Male | RG58 | Crimp | 3.37 | 3.17 | 2.97 | CALL |
| BAC836A-58P | BNC Male | RG58 Plenum | Crimp | 4.24 | 3.99 | 3.73 | CALL |
| BAC838-58 | BNC Male | RG58 | Twist On | 5.17 | 4.86 | 4.55 | CALL |
| BIF-83 | BNC Male, Insulated | RG58 | Crimp | 5.22 | 4.91 | 4.60 | CALL |
| BAC10A | BNC Male | RG58 | Clamp | 5.17 | 4.86 | 4.55 | CALL |
| BAC547 | BNC Male | RG142/RG223/RG400 | Crimp | 3.05 | 2.86 | 2.68 | CALL |
| BAC836B-74 | BNC Male | RG174/RG188/RG316 | Crimp | 5.77 | 5.42 | 5.07 | CALL |
| BAC546 | BNC Male, Right Angle | RG174/RG188/RG316 | Crimp | 5.77 | 5.42 | 5.07 | CALL |
| ABM-1702 | BNC Male, Right Angle | Low Loss 195-Series, RG58 | Crimp | 5.17 | 4.75 | 4.34 | CALL |
| ABM-1704 | BNC Male | Low Loss 195-Series, RG58 | Solderless/Crimp | 2.83 | 2.72 | 2.60 | CALL |
| BAC515 | BNC Female | RG58 | Crimp | 5.17 | 4.86 | 4.55 | CALL |
| BAC522 | BNC Female, Bulkhead | RG58 | Crimp | 6.42 | 6.03 | 5.65 | CALL |
| BAC548 | BNC Female | RG142 | Crimp | 5.66 | 5.32 | 4.98 | CALL |
| BAC517 | BNC Female | RG174/RG188/RG316 | Crimp | 5.17 | 4.86 | 4.55 | CALL |
| BAC540 | BNC Female | RG174/RG188/RG316 | Crimp | 6.09 | 5.73 | 5.36 | CALL |
| ARBJ-1700 | Reverse Polarity BNC Jack | Low Loss 195-Series, RG58 | Crimp | 3.81 | 3.50 | 3.20 | CALL |
| ARBP-1700 | Reverse Polarity BNC Plug | Low Loss 195-Series, RG58 | Crimp | 4.24 | 3.90 | 3.56 | CALL |
| ARBP-1402 | Reverse Polarity BNC Plug | Low Loss 400-Series | Crimp | 4.90 | 4.50 | 4.11 | CALL |

BNC Coaxial Connectors, 75 Ohm

| | | | | | | | |
|------------|-----------------------|--------------------|--------------|------|------|------|------|
| BAC026 | BNC Male | RG6 | Twist On | 3.73 | 3.51 | 3.28 | CALL |
| BAC032 | BNC Male | RG6 | Crimp (2 Pc) | 3.68 | 3.46 | 3.24 | CALL |
| BAC029 | BNC Male | RG6 | Crimp (3 Pc) | 3.68 | 3.46 | 3.24 | CALL |
| BAC042 | BNC Male | RG6-Q | Crimp | 2.54 | 2.39 | 2.23 | CALL |
| BAC024 | BNC Male | RG59 | Twist On | 3.73 | 3.51 | 3.28 | CALL |
| BAC027 | BNC Male | RG59 (23 AWG C.C.) | Crimp | 3.68 | 3.46 | 3.24 | CALL |
| BAC027A | BNC Male | RG59 (20 AWG C.C.) | Crimp | 3.68 | 3.46 | 3.24 | CALL |
| BAC028 | BNC Male | RG59 Plenum | Crimp (3 Pc) | 3.68 | 3.46 | 3.24 | CALL |
| BAC030 | BNC Male | RG59 | Crimp (2 Pc) | 3.68 | 3.46 | 3.24 | CALL |
| BAC031 | BNC Male | RG59 Plenum | Crimp (2 Pc) | 3.68 | 3.46 | 3.24 | CALL |
| BAC033 | BNC Male | RG59 | Solder | 4.87 | 4.58 | 4.29 | CALL |
| BAC543 | BNC Male, Right Angle | RG59 | Crimp | 5.34 | 5.02 | 4.70 | CALL |
| BAC706 | BNC Male, Right Angle | RG59/6 | Crimp | 6.48 | 6.09 | 5.70 | CALL |
| BAC985 | BNC Male, Right Angle | RG59/6 | Twist On | 6.58 | 6.19 | 5.79 | CALL |
| BAC836A-59 | BNC Male | RG59/6 | Crimp | 3.11 | 2.92 | 2.74 | CALL |
| BAC551 | BNC Male, Right Angle | RG179/RG187 | Crimp | 5.91 | 5.55 | 5.20 | CALL |
| BAC836B-87 | BNC Male | RG187/CTL | Crimp | 3.11 | 2.92 | 2.74 | CALL |
| BAC516 | BNC Female | RG6 | Crimp | 4.51 | 4.24 | 3.97 | CALL |
| BAC908-59 | BNC Female | RG59/6 | Crimp | 4.51 | 4.24 | 3.97 | CALL |
| BAC552 | BNC Female, Bulkhead | RG59 | Crimp | 6.01 | 5.65 | 5.29 | CALL |
| BAC550 | BNC Female, Bulkhead | RG179 | Crimp | 4.56 | 4.29 | 4.01 | CALL |



Some Connectors are sold in 10-Packs. See website for details. Adapters are sold individually.



BAC-UPL2000-D8B



BAC-UPL220-026



BAC928



HPC992



HPC993



HPC993



HPC781



HPC782



HPC783



BAC1501



BAC1503



BAC70A



BAC260



BAC930

BAC440
Fits .375"
(1.0 cm) hole

ANF-4000



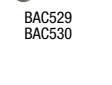
BAC16



BAC-CFS59U



BAC529



BAC530



AFM-1700

BAC-EX6
BAC-EX59

BAC520



BAC700-59



ATS9P-1100



BAC507



BAC508



AMM-1102



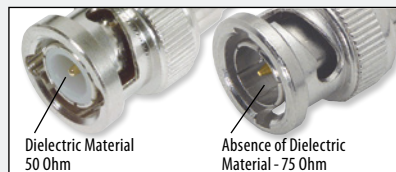
BAC526



AUM-1402

Tip Distinguishing between 50 and 75 Ohm BNC connectors

BNC connectors are one of the few coaxial connectors that are available in two impedance values of 50 and 75 Ohms. You can distinguish the two types by the absence of dielectric material at the interface of the 75 Ohm version as shown.

Dielectric Material
50 OhmAbsence of Dielectric
Material - 75 Ohm

Digital Grade BNC Connectors for 1505A and 1506A Cable, 75 Ohm

| Item # | Description | Cable Type | Attachment | 1-9 | 10-24 | 25-99 | 100+ |
|-----------------|-------------|-------------------|------------|------|-------|-------|------|
| BAC-UPL2000-D2B | BNC Male | 1505A Coax | Crimp | 9.53 | 9.15 | 8.77 | CALL |
| BAC-UPL2000-D8B | BNC Male | 1506A Plenum Coax | Crimp | 9.53 | 9.15 | 8.77 | CALL |

Telecommunications Grade BNC Connectors for 734 and 735 Cable, 75 Ohm

| | | | | | | | |
|----------------|----------|----------|-------|-------|-------|-------|------|
| BAC-UPL220-025 | BNC Male | 734 Coax | Crimp | 11.76 | 11.29 | 10.82 | CALL |
| BAC-UPL220-026 | BNC Male | 735 Coax | Crimp | 11.76 | 11.29 | 10.82 | CALL |

Twin BNC Connector - Bayonet Style Coupling Polarized Contacts

| | | | | | | | |
|--------|----------|-----------|-------|------|------|------|------|
| BAC928 | Twin BNC | Twinaxial | Clamp | 8.92 | 8.39 | 7.85 | CALL |
|--------|----------|-----------|-------|------|------|------|------|

BNC, TNC and Type N - Belden 9913 Cable

Belden 9913 style cable is an RG8/U type cable with low loss performance characteristics. This cable utilizes a semi-solid polyethylene as an insulator along with a solid 10 AWG center conductor to achieve this performance enhancement.

| | | | | | | | |
|--------|-------------|------|-------|-------|-------|-------|------|
| HPC992 | BNC Plug | 9913 | Crimp | 13.38 | 12.85 | 12.31 | CALL |
| HPC993 | TNC Plug | 9913 | Crimp | 13.38 | 12.85 | 12.31 | CALL |
| HPC994 | Type N Plug | 9913 | Crimp | 13.38 | 12.85 | 12.31 | CALL |

SMA, BNC and TNC - Belden 7807 Cable

Belden 7807 cable is an RG58 type cable with low loss performance characteristics. This cable utilizes a gas injected foam HDPE as an insulator along with a solid 17 AWG center conductor to achieve this performance enhancement.

| | | | | | | | |
|--------|----------|------|-------|-------|-------|-------|------|
| HPC781 | SMA Plug | 7807 | Crimp | 12.89 | 12.38 | 11.86 | CALL |
| HPC782 | BNC Plug | 7807 | Crimp | 10.99 | 10.55 | 10.11 | CALL |
| HPC783 | TNC Plug | 7807 | Crimp | 10.99 | 10.55 | 10.11 | CALL |

Panel Mount Receptacle Connectors

These series of connectors are intended for panel mounting with discrete receptacle terminations. Offered in BNC, RCA, SMA and Type N interfaces with various mounting configurations.

| | | | | | | | |
|-----------|-------------------------------|---------------------------|--|------|------|------|------|
| BAC1501 | BNC Male Bulkhead | N/A | | 3.64 | 3.43 | 3.21 | CALL |
| BAC1503 | BNC Female Bulkhead | N/A | | 3.64 | 3.43 | 3.21 | CALL |
| BAC70A | BNC Female Bulkhead | N/A | | 3.64 | 3.43 | 3.21 | CALL |
| BAC260 | BNC Female, 4 Hole Flange | N/A | | 3.64 | 3.43 | 3.21 | CALL |
| BAC930 | Twin BNC Female Bulkhead | N/A | | 7.24 | 6.80 | 6.37 | CALL |
| BAC440 | RCA Female Insulated Bulkhead | N/A | | 4.79 | 4.50 | 4.21 | CALL |
| ANF-4000 | Type N Female, 4 Hole Flange | N/A | | 4.52 | 4.15 | 3.79 | CALL |
| BAC16 | SMA Female Bulkhead | N/A | | 6.04 | 5.68 | 5.31 | CALL |
| ARSJ-4000 | Reverse Polarity SMA Jack | 1" (2.5cm) Flange for PCB | | 4.35 | 4.00 | 3.66 | CALL |

Type F Coaxial Connectors, 75 Ohm

| | | | | | | | |
|------------|-----------------------------|---------------------------|-------------|------|------|------|------|
| BAC529 | Type F Male, Indoor/Outdoor | RG6 | Crimp | 1.45 | 1.36 | 1.28 | CALL |
| BAC-EX6 | Type F Male | RG6 | Compression | 1.71 | 1.61 | 1.50 | CALL |
| BAC-CFS59U | Type F Male, Indoor | RG59 | Crimp | 1.14 | 1.07 | 1.00 | CALL |
| BAC530 | Type F Male, Indoor/Outdoor | RG59 | Crimp | 1.45 | 1.36 | 1.28 | CALL |
| BAC-EX59 | Type F Male | RG59 | Compression | 1.71 | 1.61 | 1.50 | CALL |
| AFM-1700 | Type F Male | Low Loss 195-Series, RG58 | Crimp | 3.86 | 3.55 | 3.24 | CALL |
| BAC520 | Type F Female | RG59 | Crimp | 3.21 | 3.02 | 2.83 | CALL |

RCA Coaxial Connector - Push-On Coupling for 75 Ohm Coaxial Cable

The RCA connector is the most commonly used connector type found on consumer electronics for both composite and component video as well as audio in some cases.

| | | | | | | | |
|-----------|----------|--------------|-------|------|------|------|------|
| BAC700-59 | RCA Male | Push-On RG59 | Crimp | 1.14 | 1.07 | 1.00 | CALL |
|-----------|----------|--------------|-------|------|------|------|------|

TS-9 Coaxial Connector, 50 Ohm

| | | | | | | | |
|------------|-----------|---------------------|-------|------|------|------|------|
| ATS9P-1100 | TS-9 Plug | Low Loss 100-Series | Crimp | 7.62 | 7.01 | 6.40 | CALL |
| | | RG174/RG188/RG316 | | | | | |

MCX Coaxial Connectors, 50 Ohm

This subminiature coaxial connector is widely used in GPS and wireless infrastructure applications. Offered in both straight and right angle configurations with crimp style attachment.

| | | | | | | | |
|----------|-----------------------|---------------------|-------|------|------|------|------|
| BAC507 | MCX Plug | RG174/RG188/RG316 | Crimp | 5.77 | 5.42 | 5.07 | CALL |
| BAC508 | MCX Plug, Right Angle | RG174/RG188/RG316 | Crimp | 6.09 | 5.73 | 5.36 | CALL |
| AMM-1102 | MCX Plug | Low Loss 100-Series | Crimp | 3.86 | 3.55 | 3.24 | CALL |
| BAC526 | MCX Jack | RG174/RG188/RG316 | Crimp | 7.02 | 6.60 | 6.18 | CALL |

UHF Connectors, 50 Ohm

| | | | | | | | |
|----------|----------|---------------------------|-------|------|------|------|------|
| AUM-1700 | UHF Male | Low Loss 195-Series, RG58 | Crimp | 3.64 | 3.35 | 3.06 | CALL |
| AUM-1402 | UHF Male | Low Loss 400-Series | Crimp | 3.64 | 3.35 | 3.06 | CALL |

Some Connectors are sold in 10-Packs. See website for details. Adapters are sold individually.

MMCX Coaxial Connectors, 50 Ohm

This microminiaturized connector is widely used in PCB surface mount coaxial interconnect systems in applications such as wireless LAN equipment and GPS.

| Item # | Description | Cable Type | Attachment | 1-9 | 10-24 | 25-99 | 100+ |
|------------|--------------------------------|---------------------|------------|------|-------|-------|------|
| BAC509 | MMCX Plug | RG174/RG188/RG316 | Crimp | 6.42 | 6.03 | 5.65 | CALL |
| BAC510 | MMCX Plug, Right Angle | RG174/RG188/RG316 | Crimp | 6.69 | 6.29 | 5.89 | CALL |
| AMMM-1104 | MMCX Plug, Right Angle | Low Loss 100-Series | Crimp | 3.86 | 3.55 | 3.24 | CALL |
| AMMM-1106 | MMCX Plug, Straight | Low Loss 100-Series | Crimp | 3.86 | 3.55 | 3.24 | CALL |
| ARMMP-1100 | MMCX Plug, Rt. Angle, Rev. Pol | Low Loss 100-Series | Crimp | 4.35 | 4.00 | 3.66 | CALL |

MC Card Connector, 50 Ohm

| | | | | | | | |
|-----------|--------------|---------------------|-------|------|------|------|------|
| AMCM-1102 | MC Card Male | Low Loss 100-Series | Crimp | 3.86 | 3.55 | 3.24 | CALL |
|-----------|--------------|---------------------|-------|------|------|------|------|

NMO Connector, 50 Ohm

| | | | | | | | |
|-----------|-----------------------|---------------------------|-------|------|------|------|------|
| AAM1-1700 | NMO 3/4" (1.9cm) Hole | Low Loss 195-Series, RG58 | Crimp | 4.35 | 4.00 | 3.66 | CALL |
|-----------|-----------------------|---------------------------|-------|------|------|------|------|

QMA Connector, 50 Ohm

| | | | | | | | |
|----------|----------------------|---------------------------|-------|------|------|------|------|
| AQJ-3700 | QMA Jack Bulkhead | Low Loss 195-Series, RG58 | Crimp | 9.47 | 8.71 | 7.95 | CALL |
| AQP-1700 | QMA Plug Right Angle | Low Loss 195-Series, RG58 | Crimp | 7.72 | 7.11 | 6.49 | CALL |
| AQP-1702 | QMA Plug | Low Loss 195-Series, RG58 | Crimp | 7.45 | 6.86 | 6.26 | CALL |

SMB Connector, 50 Ohm

| | | | | | | | |
|------------|-----------------------|---------------------|-------|------|------|------|------|
| ASMBP-1100 | SMB Plug | Low Loss 100-Series | Crimp | 4.79 | 4.40 | 4.02 | CALL |
| ASMBP-1102 | SMB Plug, Right Angle | Low Loss 100-Series | Crimp | 5.77 | 5.31 | 4.84 | CALL |
| ASMBJ-1100 | SMB Jack | Low Loss 100-Series | Crimp | 4.24 | 3.90 | 3.56 | CALL |

FME Connector, 50 Ohm

| | | | | | | | |
|------------|----------|---------------------------|-------|------|------|------|------|
| BAC8015 | FME Plug | Low Loss 195-Series, RG58 | Crimp | 3.64 | 3.43 | 3.21 | CALL |
| AFMEJ-1700 | FME Jack | Low Loss 195-Series, RG58 | Crimp | 3.64 | 3.35 | 3.06 | CALL |

ORINOCO Compatible Connector, 50 Ohm*

| | | | | | | | |
|-----------|-------------------------|---------------------|-------|------|------|------|------|
| AAPM-1100 | AIProx Male Right Angle | Low Loss 100-Series | Crimp | 5.00 | 4.60 | 4.20 | CALL |
|-----------|-------------------------|---------------------|-------|------|------|------|------|

Waverider Compatible Connector, 50 Ohm*

| | | | | | | | |
|----------|---------------------------|---------------------------|-------|------|------|------|------|
| AWM-1700 | Waverider Compatible Male | Low Loss 195-Series, RG58 | Crimp | 5.22 | 4.80 | 4.39 | CALL |
|----------|---------------------------|---------------------------|-------|------|------|------|------|

Shrouded SMA Connector, 50 Ohm

| | | | | | | | |
|----------|----------------------------|---------------------------|-------|------|------|------|------|
| ASM-1714 | Shrouded SMA Male Rt Angle | Low Loss 195-Series, RG58 | Crimp | 4.24 | 3.90 | 3.56 | CALL |
|----------|----------------------------|---------------------------|-------|------|------|------|------|

Sierra Wireless Aircard Compatible Connector, 50 Ohm*

| | | | | | | | |
|-----------|---------------|---------------------|-------|------|------|------|------|
| ASNP-1100 | SMA Nano-Plug | Low Loss 100-Series | Crimp | 5.11 | 4.70 | 4.30 | CALL |
|-----------|---------------|---------------------|-------|------|------|------|------|

*Note: See website for additional compatibility information.

**Tip The anatomy of a coaxial connector**

The two main components of a connector that determine the mating type (sex) are the **BODY** and the **PIN**.

Here are two examples of **PLUG** bodies (aka Male).



This is a **PLUG** body of a typical threaded type connector. Note that the threads are on the inside of the body.



This is a **PLUG** body of a typical bayonet type connector such as a BNC. Note the coupling mechanism on the body.

And these are two examples of **JACK** bodies (aka Female).



This is a **JACK** body of a typical threaded type connector. Note that the threads are on the outside of the body.



This is a **JACK** body of a typical bayonet type connector such as a BNC. Note the bayonets on the body.



This is a **MALE** pin.



This is a **FEMALE** pin.

So what makes up the different types of connectors?

Here is a Standard Polarity Plug connector:



It is made up of a **PLUG BODY** and a **MALE PIN**. Standard polarity plug connectors can also be known as Male Connectors.

Here is a Standard Polarity Jack connector:



It is made up of a **JACK BODY** and a **FEMALE PIN**. Standard polarity jack connectors can also be known as Female Connectors.

Here is a Reverse Polarity Plug connector:



It is made up of a **PLUG BODY** and a **FEMALE PIN**. The polarity of the pin is reversed, thus making it a Reverse Polarity Plug Connector.





















Here is a Reverse Polarity Jack connector:



It is made up of a **JACK BODY** and a **MALE PIN**. Again the polarity of the pin is reversed, thus making it a Reverse Polarity Jack Connector.

How do you select the right coaxial cable for your application?


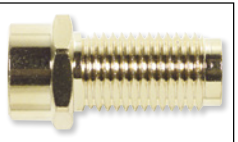
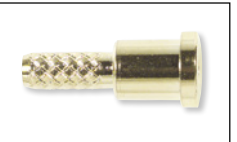


There are a number of coaxial cable styles available today. "RG" style cables were originally designed for military applications but now are extensively used in commercial applications. Low Loss coaxial cables are designed to meet the demands of the wireless communications market. High performance with low signal loss makes them ideal for a wide array of wireless applications. The following coaxial cable selection guide is intended as a general guide to assist you in selecting the right cable for your application.

| Cable Type | Impedance | Typical Application | Cable Type | Impedance | Typical Application |
|---|-----------|--|---|-----------|--|
| RG174/U  | 50 Ohm | Transmission of data signals in applications such as LAN/WAN or GPS. | RG179B/U  | 75 Ohm | Transmission of a video signal in applications such as security systems where high temperature performance is needed. |
| RG188A/U  | 50 Ohm | Transmission of data signals in applications such as LAN/WAN or GPS in situations where high temperature performance is needed. | RG187/U  | 75 Ohm | Transmission of a video signal in applications such as security systems where high temperature performance is needed. |
| RG316/U  | 50 Ohm | Transmission of data signals in applications such as LAN/WAN or GPS in situations where high temperature performance is needed. | 100 Series Low Loss  | 50 Ohm | Drop-in Low Loss equivalent for RG316/174. Very short radio pigtails/jumper cables. |
| RG58C/U  | 50 Ohm | Transmission of data signals in applications such as antenna feed cables or Ethernet backbones. | 195 Series Low Loss  | 50 Ohm | Drop-in Low Loss equivalent for RG58/142. Short antenna and jumper cables. |
| RG142B/U  | 50 Ohm | Transmission of data signals in applications such as antenna feed cables or Ethernet backbones in situations where high temperature performance is needed. | 200 Series Low Loss  | 50 Ohm | Short antenna cable feeds. Applications requiring easily routed low loss cable. |
| RG59A/U  | 75 Ohm | Transmission of a video or audio signal in applications such as security systems or CATV. | 240 Series Low Loss  | 50 Ohm | Medium length antenna/jumper cables. |
| RG59B/U  | 75 Ohm | Transmission of a video or audio signal in applications such as security systems or CATV. | 400 Series Low Loss  | 50 Ohm | Drop-in Low Loss equivalent for RG8/9913. Medium distance antenna feed cables. |
| RG6/U  | 75 Ohm | Transmission of a video or audio signal in applications such as security systems or CATV. | 400 Ultra Flex Series Low Loss  | 50 Ohm | Applications requiring maximum flexibility and repeated bending/flexing. Drop-in Low Loss equivalent for RG-8/9913. |
| RG223/U  | 50 Ohm | Transmission of data signals in applications such as LAN/WAN or GPS in situations where low signal loss and high shielding performance is needed. | 600 Series Low Loss  | 50 Ohm | Medium distance base station and cell tower applications. |
| RG213/U  | 50 Ohm | Transmission of data signals in applications such as antenna feed cables in situations where low signal loss and high operating voltage performance is needed. | 900DB Series Low Loss  | 50 Ohm | Outdoor/direct burial applications, jumper cable assemblies for 1-5/8" & 2-1/4" feeders, medium antenna cable feeds with no jumpers required and long distance base station and cell tower applications. |

Note: Images on this page are for reference only and may not be to scale

Anatomy of a Coaxial Connector

There are a wide variety of coaxial connectors available today. These connectors are offered in numerous interface types and attachment methods. Illustrated below are some common elements and functions shared by most of these coaxial connectors.

| Crimp Ring | Coupling Body | Outer Conductor | Dielectric Support | Center Conductor |
|---|---|---|--|---|
|  |  |  |  |  |
| Attachment sleeve to cable outer conductor. | Attachment mechanism to mating connector. | Outer conducting element for signal transmission. | Non-conductive spacer between center and outer conductor. | Center conducting element for signal transmission. |

Building Your Own Coaxial Cable Assembly

In order to successfully build your own coaxial cable assembly, you must make the following decisions:

1. Select a cable type

Many parameters come into play in making this decision from electrical performance properties such as impedance, shielding and attenuation to mechanical properties such as diameter, center conductor construction (solid vs stranded) and jacket material. A selection of the most commonly used cable is listed on pages 200 and 201.

2. Select a connector type

Numerous connector interfaces exist such as BNC, TNC, SMA, F or RCA to name just a few. Each has a different application and come in both male and female versions. A selection of the most popular types is listed on pages 193-197.




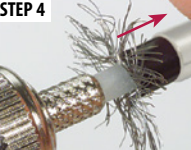


3. Select an attachment method

In general, there are three basic methods to attach a coaxial connector to a coaxial cable. They are crimp, clamp and twist-on. Each of these methods is illustrated below.

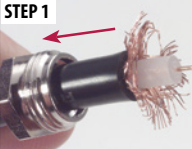


4. Select a tool

If a crimp attachment method was selected then a crimp tool will be needed. The crimp cross reference chart on page 202 will assist you in selecting the correct tool.

Crimp Method: This is the most common connector attachment method. In this case the cable shield is crimped to the connector using the crimp ring. The connector center conductor is attached to the cable center conductor by crimp or solder.

| | | | | | |
|---|---|---|---|---|---|
| STEP 1  | STEP 2  | STEP 3  | STEP 4  | STEP 5  | STEP 6  |
| Cut cable to length and slide crimp ring onto free end. | Strip free end with Coaxial Cable Stripper. | Slide pin onto center conductor making sure base of pin meets dielectric. Crimp in place. | Fan braid and slide plug over pin. | Pull crimp sleeve over braid and ring. | Crimp in place. |

Clamp Method: The clamp method is often used for weather exposure applications or when crimp tools are not available. In this case the cable shield is clamped between the connector body and back nut. The connector center conductor is usually soldered to the cable center conductor.

| | | |
|--|--|--|
| STEP 1  | STEP 2  | STEP 3  |
| Cut cable and slide nut into position. Strip and flair braid. | Position braid clamp and crimp or solder pin. | Attach main body to back nut. |

Twist-On Method: This method is most often used in field applications because of its simplicity and not needing special tools.

| | | |
|---|--|--|
| STEP 1  | STEP 2  | STEP 3  |
| Prepare cable with strip tool. | Position connector body. | Twist connector body onto cable. |

Crimp Tool:

When using a crimp connector, the HT330K tool kit can be a valuable item (page 202). This kit contains dies for all the commonly used crimp sizes. In addition, this kit comes complete with a cable cutter and a rotary cable stripper - helpful tools for building a cable assembly.



Plug or Jack:

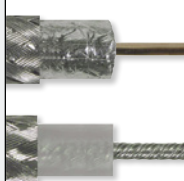


A **PLUG** utilizes a center pin = **MALE GENDER**



A **JACK** utilizes a center socket = **FEMALE GENDER**

Solid or Stranded:

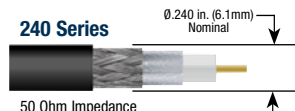
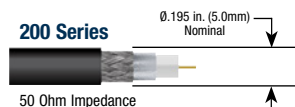
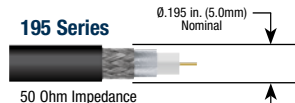
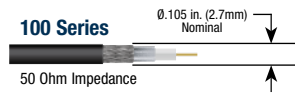


SOLID center conductor: best attenuation but somewhat stiff.

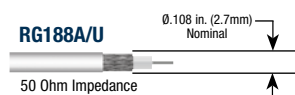
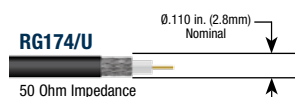
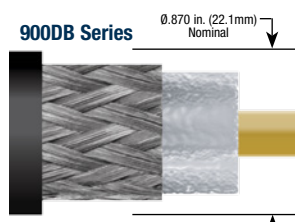
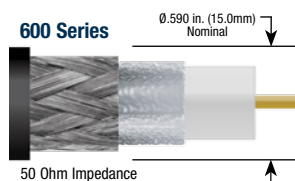
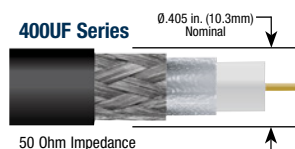
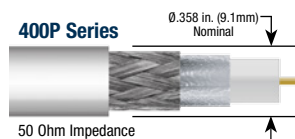
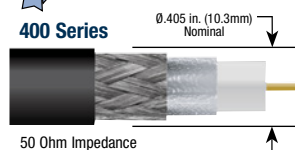
STRANDED center conductor: more flexible but slightly higher attenuation.

Online Video

L-com.com/Videos/A19



Best Seller



Low Loss Bulk Coaxial Cable

| 100 Series Low Loss Bulk Cable | NOMINAL ATTENUATION | | | Item # | Description | List |
|--------------------------------|---------------------|----------|---------|--------|-------------|------|
| | MHz | db/100ft | db/100m | | | |
| | 900 | 22.8 | 74.8 | | | |
| | 1800 | 33.2 | 108.8 | | | |
| | 2500 | 39.8 | 130.6 | | | |

| 195R Series Low Loss Bulk Cable | NOMINAL ATTENUATION | | | Item # | Description | List |
|---------------------------------|---------------------|----------|---------|--------|-------------|------|
| | MHz | db/100ft | db/100m | | | |
| | 900 | 11.1 | 36.5 | | | |
| | 1800 | 16.0 | 52.5 | | | |
| | 2500 | 19.0 | 62.4 | | | |

| 200 Series Low Loss Bulk Cable | NOMINAL ATTENUATION | | | Item # | Description | List |
|--------------------------------|---------------------|----------|---------|--------|-------------|------|
| | MHz | db/100ft | db/100m | | | |
| | 900 | 9.9 | 32.6 | | | |
| | 1800 | 14.2 | 46.6 | | | |
| | 2500 | 16.9 | 55.4 | | | |

| 240 Series Low Loss Bulk Cable | NOMINAL ATTENUATION | | | Item # | Description | List |
|--------------------------------|---------------------|----------|---------|--------|-------------|------|
| | MHz | db/100ft | db/100m | | | |
| | 900 | 7.6 | 24.8 | | | |
| | 1800 | 10.9 | 35.6 | | | |
| | 2500 | 12.9 | 45.4 | | | |

| 400 and 400P Series Low Loss Bulk Cable | NOMINAL ATTENUATION | | | Item # | Description | List |
|---|---------------------|----------|---------|--------|-------------|------|
| | MHz | db/100ft | db/100m | | | |
| | 900 | 3.9 | 12.8 | | | |
| | 1800 | 5.7 | 18.6 | | | |
| | 2500 | 6.8 | 22.2 | | | |

| 400 Series Ultra Flex Low Loss Bulk Cable | NOMINAL ATTENUATION | | | Item # | Description | List |
|---|---------------------|----------|---------|--------|-------------|------|
| | MHz | db/100ft | db/100m | | | |
| | 900 | 4.7 | 15.4 | | | |
| | 1800 | 6.8 | 22.3 | | | |
| | 2500 | 8.1 | 26.6 | | | |

| 600 Series Low Loss Bulk Cable | NOMINAL ATTENUATION | | | Item # | Description | List |
|--------------------------------|---------------------|----------|---------|--------|-------------|------|
| | MHz | db/100ft | db/100m | | | |
| | 900 | 2.5 | 8.2 | | | |
| | 1800 | 3.7 | 12.1 | | | |
| | 2500 | 4.4 | 14.5 | | | |

| 900DB Series Low Loss Bulk Cable | NOMINAL ATTENUATION | | | Item # | Description | List |
|----------------------------------|---------------------|----------|---------|--------|-------------|------|
| | MHz | db/100ft | db/100m | | | |
| | 900 | 1.7 | 5.6 | | | |
| | 1800 | 2.5 | 8.2 | | | |
| | 2500 | 2.9 | 9.8 | | | |

Bulk Coaxial Cable

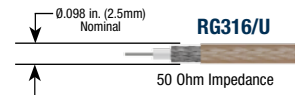
| RG174/U | NOMINAL ATTENUATION | | | Item # | Description | List |
|---------|---------------------|----------|---------|--------|-------------|------|
| | MHz | db/100ft | db/100m | | | |
| | 100 | 8.4 | 27.6 | | | |
| | 200 | 12.5 | 41.0 | | | |
| | 400 | 19.0 | 62.3 | | | |

| RG188A/U | NOMINAL ATTENUATION | | | Item # | Description | List |
|----------|---------------------|----------|---------|--------|-------------|------|
| | MHz | db/100ft | db/100m | | | |
| | 100 | 8.3 | 27.2 | | | |
| | 200 | 12.0 | 39.4 | | | |
| | 400 | 17.5 | 57.4 | | | |

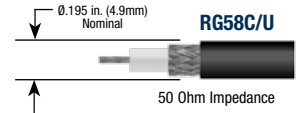
Note: Spools may contain more than one piece.

Bulk Coaxial Cable

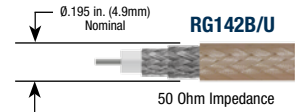
| RG316/U | NOMINAL ATTENUATION | | | Item # | Description | List |
|--|---------------------|----------|-----------|---------------------------------|-------------|------|
| | MHz | db/100ft | db/100m | | | |
| | 100 | 8.3 | 27.2 | | | |
| | 200 | 12.0 | 39.4 | | | |
| | 400 | 17.5 | 57.4 | | | |
| | 1000 | 29.0 | 95.1 | | | |
| <ul style="list-style-type: none">Center Conductor: 26 (7 x 34) AWG silver coated copper covered steelShielding: Silver coated copper braid (95% shield coverage)Insulation: TFE TeflonJacket: Brown FEPOperating Temperature: -70°C - +200°C VW-1 vertical flame test compliant | | | RG316-100 | RG316/U, 100ft (30.5m) coil | 80.82 | |
| | | | RG316-500 | RG316/U, 500ft (152.4m) spool | 377.18 | |
| | | | RG316-1K | RG316/U, 1,000ft (304.8m) spool | 700.47 | |
| Note: Spools may contain more than one piece. | | | | | | |



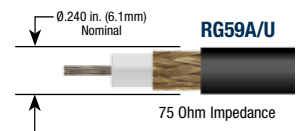
| RG58C/U | NOMINAL ATTENUATION | | | Item # | Description | List |
|--|---------------------|----------|---------|-----------|---------------------------------|--------|
| | MHz | db/100ft | db/100m | | | |
| | 100 | 4.9 | 16.1 | | | |
| | 200 | 7.3 | 23.9 | | | |
| | 400 | 11.0 | 36.1 | | | |
| | 1000 | 20.0 | 65.6 | | | |
| <ul style="list-style-type: none">Center Conductor: 20 (19 x 32) AWG tinned copperShielding: Tinned copper braid (95% coverage)Insulation: PolyethyleneJacket: Black PVCOperating Temperature: -40°C - +85°C | | | | RG58C-100 | RG58C/U, 100ft (30.5m) coil | 42.03 |
| | | | | RG58C-500 | RG58C/U, 500ft (152.4m) spool | 199.36 |
| | | | | RG58C-1K | RG58C/U, 1,000ft (304.8m) spool | 387.95 |



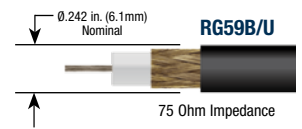
| RG142B/U | NOMINAL ATTENUATION | | | Item # | Description | List |
|---|---------------------|----------|------------|----------------------------------|-------------|------|
| | MHz | db/100ft | db/100m | | | |
| | 100 | 3.9 | 12.8 | | | |
| | 200 | 5.6 | 18.4 | | | |
| | 400 | 8.2 | 26.9 | | | |
| | 1000 | 13.5 | 44.3 | | | |
| <ul style="list-style-type: none">Center Conductor: 18 AWG solid silver coated copperShielding: 2 silver coated copper braids (96% coverage)Insulation: TFE TeflonJacket: Brown FEPOperating Temperature: -70°C - +200°C VW-1 vertical flame test compliant | | | RG142B-100 | RG142B/U, 100ft (30.5m) coil | 193.98 | |
| | | | RG142B-500 | RG142B/U, 500ft (152.4m) spool | 996.82 | |
| | | | RG142B-1K | RG142B/U, 1,000ft (304.8m) spool | 1832.00 | |
| Note: Spools may contain more than one piece. | | | | | | |



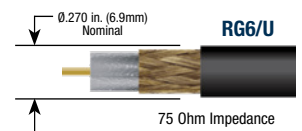
| RG59A/U | NOMINAL ATTENUATION | | | Item # | Description | List |
|---|---------------------|----------|---------|-----------|---------------------------------|--------|
| | MHz | db/100ft | db/100m | | | |
| | 100 | 3.0 | 9.8 | | | |
| | 200 | 4.5 | 14.8 | | | |
| | 400 | 6.6 | 21.7 | | | |
| | 1000 | 10.9 | 35.8 | | | |
| <div>• Center Conductor: 22 (7 x 30) AWG bare copper</div> <div>• Shielding: Bare copper braid (95% coverage)</div> <div>• Insulation: Foam polyethylene</div> <div>• Jacket: Black PVC</div> <div>• Operating Temperature: -40°C - +80°C</div> | | | | | | |
| | | | | RG59A-100 | RG59A/U, 100ft (30.5m) coil | 27.15 |
| | | | | RG59A-500 | RG59A/U, 500ft (152.4m) spool | 108.75 |
| | | | | RG59A-1K | RG59A/U, 1,000ft (304.8m) spool | 217.55 |



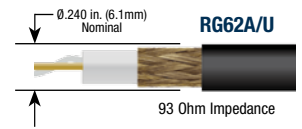
| RG59B/U | NOMINAL ATTENUATION | | | Item # | Description | List |
|--|---------------------|----------|---------|-----------|---------------------------------|--------|
| | MHz | db/100ft | db/100m | | | |
| | 100 | 3.4 | 11.1 | | | |
| | 200 | 4.9 | 16.1 | | | |
| | 400 | 7.0 | 23.0 | | | |
| | 1000 | 12.0 | 39.3 | | | |
| <ul style="list-style-type: none">• Center Conductor: 22 AWG solid bare copper covered steel• Shielding: Bare copper braid (95% coverage)• Insulation: Polyethylene• Jacket: Black PVC• Operating Temperature: -40°C - +80°C | | | | RG59B-100 | RG59B/U, 100ft (30.5m) coil | 25.85 |
| | | | | RG59B-500 | RG59B/U, 500ft (152.4m) spool | 103.57 |
| | | | | RG59B-1K | RG59B/U, 1,000ft (304.8m) spool | 207.19 |



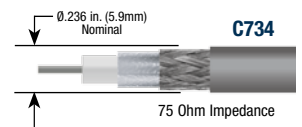
| RG6/U | NOMINAL ATTENUATION | | | Item # | Description | List |
|---|---------------------|----------|---------|---------|-------------------------------|--------|
| | MHz | db/100ft | db/100m | | | |
| | 100 | 2.1 | 6.9 | | | |
| | 200 | 3.1 | 10.2 | | | |
| | 400 | 4.5 | 14.8 | | | |
| | 1000 | 7.3 | 23.9 | | | |
| <ul style="list-style-type: none">Center Conductor: 18 AWG solid bare copperShielding: Inner foil (100% coverage); Outer, copper braid (60% coverage)Insulation: Foam PolyethyleneJacket: Black PVCOperating Temperature: -40°C - +80°C | | | | RG6-100 | RG6/U, 100ft (30.5m) coil | 16.27 |
| | | | | RG6-500 | RG6/U, 500ft (152.4m) spool | 81.55 |
| | | | | RG6-1K | RG6/U, 1,000ft (304.8m) spool | 184.96 |



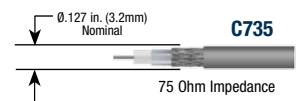
| RG62A/U | NOMINAL ATTENUATION | | | Item # | Description | List |
|---|---------------------|----------|---------|-----------|---------------------------------|--------|
| | MHz | db/100ft | db/100m | | | |
| | 100 | 2.7 | 8.9 | | | |
| | 200 | 3.8 | 12.5 | | | |
| | 400 | 5.3 | 17.4 | | | |
| | 1000 | 8.7 | 28.5 | | | |
| <ul style="list-style-type: none">Center Conductor: 22 AWG solid bare copper covered steelShielding: Bare copper braid (95% coverage)Insulation: Semi-solid polyethyleneJacket: Black PVCOperating Temperature: -40°C - +80°C | | | | RG62A-100 | RG62A/U, 100ft (30.5m) coil | 29.10 |
| | | | | RG62A-500 | RG62A/U, 500ft (152.4m) spool | 134.71 |
| | | | | RG62A-1K | RG62A/U, 1,000ft (304.8m) spool | 247.86 |



| 734 Type DS3-4 • Center Conductor: 20 AWG silver plated solid copper • Shielding: Inner AL foil 100% + outer braid • Insulation: Foamed polyethylene • Jacketing: Polyvinyl chloride (PVC) • Operating Temperature: -40°C - +75°C | NOMINAL ATTENUATION | | | Item # | Description | List |
|--|---------------------|----------|---------|----------|------------------------------|--------|
| | MHz | db/100ft | db/100m | | | |
| | 5 | .55 | 1.8 | C734-100 | C734, 100ft (30.5m) coil | 59.32 |
| | 10 | .77 | 2.5 | C734-500 | C734, 500ft (152.4m) spool | 268.58 |
| | 50 | 1.74 | 5.7 | C734-1K | C734, 1,000ft (304.8m) spool | 481.21 |
| | 100 | 2.49 | 8.2 | | | |



| 735 Type DS3-4 • Center Conductor: 26 AWG silver plated solid copper • Shielding: Inner AL foil 100% + outer braid • Insulation: Foamed polyethylene • Jacketing: Polyvinyl chloride (PVC) • Operating Temperature: -40°C - +75°C | NOMINAL ATTENUATION | | | Item # | Description | List |
|--|---------------------|----------|---------|----------|------------------------------|--------|
| | MHz | db/100ft | db/100m | | | |
| | 5 | 1.10 | 3.6 | C735-100 | C735, 100ft (30.5m) coil | 49.27 |
| | 10 | 1.53 | 5.0 | C735-500 | C735, 500ft (152.4m) spool | 218.22 |
| | 50 | 3.47 | 11.4 | C735-1K | C735, 1,000ft (304.8m) spool | 402.87 |
| | 100 | 4.95 | 16.2 | | | |

Lengths may vary $\pm 10\%$ from lengths shown.

Crimp Tool Cross Reference Chart

Use this chart to find the correct ferrule and center conductor crimp size as well as the recommended economy, deluxe and deluxe kit crimp tool for each of the connector model numbers listed.

| CONNECTOR P/N | CRIMP SIZE | | CRIMP TOOL | | |
|---------------|------------|--------------|------------|------------|------------|
| | FERRULE | CENTER COND. | ECONOMY | DELUXE | DELUXE KIT |
| ATF-3700 | 0.213 | 0.068 | HT106D | HT301A | HT330K |
| BAC519 | 0.213 | 0.068 | HT106D | HT301A | HT330K |
| BAC522 | 0.213 | 0.068 | HT106D | HT301A | HT330K |
| ANF-1700 | 0.213 | 0.068 | HT106D | HT301A | HT330K |
| BAC836A-58 | 0.213 | 0.068 | HT106D | HT301A | HT330K |
| BAC836A-58P | 0.213 | 0.068 | HT106D | HT301A | HT330K |
| BIF-83 | 0.231 | 0.068 | HT106D | HT301A | HT330K |
| BAC523 | 0.178 | 0.068 | N/A | HT301J | HT330K |
| BAC526 | 0.178 | 0.068 | N/A | HT301J | HT330K |
| BAC527 | 0.178 | 0.068 | N/A | HT301J | HT330K |
| BAC528 | 0.178 | 0.068 | N/A | HT301J | HT330K |
| BAC836B-74 | 0.178 | 0.068 | N/A | HT301J | HT330K |
| BAC893-58 | 0.213 | 0.068 | HT106D | HT301A | HT330K |
| BAC893-59 | 0.255 | 0.068 | HT106D | HT301A | HT330K |
| BAC908-59 | 0.255 | 0.068 | HT106D | HT301A | HT330K |
| BAC706 | 0.255 | 0.068 | HT106D | HT301A | HT330K |
| BAC012 | 0.324 | N/A | HT106H | HT-CRIMP04 | HT330K |
| BAC027 | 0.255 | 0.068 | HT106D | HT301A | HT330K |
| BAC027A | 0.255 | 0.068 | HT106D | HT301A | HT330K |
| BAC028 | 0.255 | 0.068 | HT106D | HT301A | HT330K |
| BAC029 | 0.324 | 0.068 | N/A | HT-CRIMP04 | HT330K |
| BAC030 | 0.324 | 0.255 | N/A | HT-CRIMP04 | HT330K |
| BAC031 | 0.324 | 0.255 | N/A | HT-CRIMP04 | HT330K |
| BAC032 | 0.319 | N/A | HT106H | HT301C | HT330K |
| BAC520 | 0.255 | 0.068 | HT106D | HT301A | HT330K |
| BAC836A-59 | 0.255 | 0.068 | HT106D | HT301A | HT330K |

| CONNECTOR P/N | FERRULE | CRIMP TOOL | CENTER COND. | CRIMP TOOL |
|-----------------|---------|------------|--------------|------------|
| BAC-UPL2000-D2B | 0.255 | HTS-CD3-21 | 0.042 | HT010-0055 |
| BAC-UPL2000-D8B | 0.255 | HTS-CD3-21 | 0.042 | HT010-0055 |

If a specific type is not listed, please visit our website at **L-com.com** for the latest information or call our technical support group at **800-343-1455** for assistance.

| CONNECTOR P/N | CRIMP SIZE | | CRIMP TOOL | | |
|---------------|-------------|--------------|------------|-----------|------------|
| | FERRULE | CENTER COND. | ECONOMY | DELUXE | DELUXE KIT |
| BAC836B-87 | 0.213 | 0.068 | HT106D | HT301A | HT330K |
| BAC042 | 0.319 | N/A | HT106H | HT301C | HT330K |
| BAC02 | 0.213 | N/A | HT106D | HT301A | HT330K |
| BAC02A | 0.128 | N/A | N/A | HT301J | HT330K |
| BAC03 | 0.213 | 0.042 | N/A | HT301G | HT330K |
| BAC03A | 0.128 | 0.042 | N/A | HT301J | HT330K |
| BAC04 | 0.213 | 0.042 | N/A | HT301G | HT330K |
| BAC05 | 0.213 | 0.042 | N/A | HT301G | HT330K |
| BAC05A | 0.128 | 0.042 | N/A | HT301J | HT330K |
| BAC02-G | 0.213 | N/A | HT106D | HT301A | HT330K |
| BAC02A-G | 0.128 | N/A | N/A | HT301J | HT330K |
| BAC03-G | 0.213 | 0.042 | N/A | HT301G | HT330K |
| BAC03A-G | 0.128 | 0.042 | N/A | HT301J | HT330K |
| BAC06A | 0.128 | 0.042 | N/A | HT301J | HT330K |
| BAC8015 | 0.213 | N/A | HT106D | HT301A | HT330K |
| BAC525 | 0.213 | N/A | HT106D | HT301A | HT330K |
| BAC500 | 0.213 | N/A | HT106D | HT301A | HT330K |
| BAC501 | 0.213 | N/A | HT106D | HT301A | HT330K |
| BAC502 | 0.128 | 0.042 | N/A | HT301J | HT330K |
| BAC503 | 0.137 | N/A | N/A | HT301G | HT330K |
| BAC-CF559U | 0.324 | N/A | HT106H | HTS3162CT | N/A |
| BAC529 | 0.360 | N/A | HT106H | HTS3162CT | N/A |
| BAC530 | 0.360 | N/A | HT106H | HTS3162CT | N/A |
| BAC-EX6 | Compression | N/A | N/A | HTS-EX | N/A |
| BAC-EX59 | Compression | N/A | N/A | HTS-EX | N/A |
| BAC700-59 | .262 | N/A | HT106D | HT301A | HT330K |

| CONNECTOR P/N | FERRULE | CRIMP TOOL | CENTER COND. | CRIMP TOOL |
|----------------|---------|------------|--------------|------------|
| BAC-UPL220-025 | 0.255 | HTS-CD3-11 | 0.042 | HT010-0055 |
| BAC-UPL220-026 | 0.178 | HTS-CD3-11 | 0.042 | HT010-0055 |



HT106D



HT301A



HT-CRIMP04



HT330K



HT-KIT-01



Economy Crimping Tools - Common Crimp Sizes for Connectors and Center Pins

These heavy-duty crimping tools are economically priced and easy to use. Leverage action produces an enormous force to properly crimp a perfect hex every time. An adjustable cam is added to keep the tool in full conformance with the required tolerance. Tools accept the most popular crimp connector types. HT106D hex sizes are .068", .213" and .255". HT106H hex sizes are .322" and .359".

| Item # | Description | 1-9 | 10-24 | 25-99 | 100+ |
|--------|--|-------|-------|-------|------|
| HT106D | 9" Lever Type Coaxial Crimp Tool (.068", .213", .255") | 35.18 | 33.77 | 32.36 | CALL |
| HT106H | 9" Lever Type Coaxial Crimp Tool (.322", .359") | 35.18 | 33.77 | 32.36 | CALL |

Deluxe Full Cycle Ratchet with Hex Crimping Tools

Your choice of seven similar crimp tools equipped with specific die sets to perform a wide variety of crimping functions to fit your needs.

| | | | | | |
|-------------|--|-------|-------|-------|------|
| HT301A | Deluxe Crimp Tool with .256", .213" and .068" Hex Die | 37.25 | 35.76 | 34.27 | CALL |
| HT301C | Deluxe Crimp Tool with .319", .256", .213" and .068" Hex Die | 46.58 | 44.71 | 42.85 | CALL |
| HT301G | Deluxe Crimp Tool with .255", .213", .137", .100", .069" .043" Hex Die | 43.47 | 41.73 | 39.99 | CALL |
| HT301J | Deluxe Crimp Tool with .178", .151", .128", .078", .068", .042" Hex Die | 43.47 | 41.73 | 39.99 | CALL |
| HT230A | Deluxe Crimp Tool with .255", .213", .187" and .068" Hex Die | 41.40 | 39.74 | 38.08 | CALL |
| HT-CRIMP02 | Deluxe Crimp Tool with .028", .039", .047", .100", .128" and .151" Hex Die | 28.96 | 27.80 | 26.64 | CALL |
| HT-CRIMP03 | Deluxe Crimp Tool with .100", .128" and .429" Hex Die | 41.40 | 39.74 | 38.08 | CALL |
| HT-CRIMP04 | Deluxe Crimp Tool with .068", .213", .256" and .324" Hex Die | 28.96 | 27.80 | 26.64 | CALL |
| HT-CRIMP600 | Deluxe Crimp Tool with .610" Hex Die | 35.18 | 33.77 | 32.36 | CALL |

Deluxe Full Cycle Ratchet Crimp Tool Kit

Housed in rugged, high impact cases these handy deluxe ratchet crimp and strip tool kits can satisfy most coaxial crimping needs. These kits include ratchet tool, interchangeable dies, cable cutter and rotary cable stripper. See **L-com.com** for complete kit contents.

| | | | | | |
|-----------|--|--------|--------|--------|------|
| HT330K | Deluxe Crimp Tool Kit, for use with RG Type Cable | 165.74 | 159.11 | 152.48 | CALL |
| HT-KIT-01 | Deluxe Crimp Tool Kit, for use with Low Loss and RG Type Cable | 105.68 | 101.45 | 97.23 | CALL |

Professional Grade Crimp and Compression Tools -for Professional Grade Type F Plugs

Two new ratchet action crimp tools are now offered. Sturdily constructed from high carbon steel ensures long life expectancy. Fully machined crimp cavities ensure accurate crimps every time.

| Item # | Description | 1-9 | 10-24 | 25-99 | 100+ |
|-----------|--------------------------------------|-------|-------|-------|------|
| HTS3162CT | Hex Crimp Tool .360" and .470" Sizes | 77.95 | 74.83 | 71.71 | CALL |
| HTS-EX | Compression Connector Crimp Tool | 93.95 | 90.19 | 86.43 | CALL |

Easy Strip RG59/6 Coaxial Cable Stripper

A must for anyone working with coaxial cabling. This tool provides a precise industry standard 1/4" (0.6cm) cable prep for RG59 and 6 in seconds. Simply compress the jaw, place the cable into the strip insert, release then spin the tool 360° and you're ready to crimp.

| | | | | | |
|-----------|--|-------|-------|-------|------|
| HTS8700ES | CATV Stripper Tool for RG59/RG6 | 20.95 | 20.11 | 19.27 | CALL |
| HTS8700RB | 10 Replacement Cartridges for RG59/RG6 | 64.95 | 62.35 | 59.75 | CALL |

Type F Installation Kit - Toner, Crimper, Stripper and 40 Plugs for RG59 or RG6 Coaxial Cabling

We've assembled a kit for installers and technicians who want to terminate popular Type F coaxial cabling. Each kit includes 40 professional grade Type F plugs, a cable stripping tool, a connector crimping tool and a pocket toner. There are two kits to choose from, one for RG59 and one for RG6.

| | | | | | |
|--------|--|--------|--------|--------|------|
| TCK59F | Type F Connector Installation Kit for RG59 | 115.01 | 110.41 | 105.81 | CALL |
| TCK60F | Type F Connector Installation Kit for RG6 | 115.01 | 110.41 | 105.81 | CALL |

Rotary Coaxial Cable Strippers - Adjusted to Accurately Prepare Popular Coaxials

Time saving tools to quickly and accurately cut and trim the coaxial jacket, shield and inner insulation in one easy step. Compartment holds hex key to align sensitive socket and adjust blade cut for optimum results. Available in two or three blade configurations.

| | | | | | |
|-------------|---|-------|-------|-------|------|
| AT-STRIP-02 | Coax Cable Stripper, 2-Blade for 100 Series, RG8/RG11/RG213/RG214 | 17.56 | 16.16 | 14.75 | CALL |
| HT302B | Coax Cable Stripper, 2-Blade for RG58/RG59/RG62 | 17.56 | 16.86 | 16.16 | CALL |
| HT3021 | Set of 4 Replacement Blades for HT302 | 7.98 | 7.66 | 7.34 | CALL |
| HT312A | Coax Cable Stripper, 3-Blade for RG59/RG62/RG6 | 23.78 | 22.83 | 21.88 | CALL |
| HT312B | Coax Cable Stripper, 3-Blade for RG58/RG59/RG62 | 23.78 | 22.83 | 21.88 | CALL |
| HT312S | Coax Cable Stripper, 3-Blade for RG213/RG11/RG8 | 23.78 | 22.83 | 21.88 | CALL |
| HT312X | Coax Cable Stripper, 3-Blade for 3.5 to 5mm dia. | 23.78 | 22.83 | 21.88 | CALL |
| HT3121 | Set of 4 Replacement Blades for HT312 | 7.98 | 7.66 | 7.34 | CALL |

Rotary Coaxial Cable Strippers for 400/600 Series

Quickly and accurately cut and trim the coaxial jacket, shield and inner insulation in two easy steps. Just insert the un-stripped end of the coax cable into the tool, spin clockwise 4 or 5 times, then insert into other end of tool, spin clockwise 4 or 5 times again and pull off the unwanted portion.

| | | | | | |
|---------------|--|-------|-------|-------|------|
| HT-STRIP400-1 | Coax Cable Stripper for 400-Series Cable | 64.19 | 61.62 | 59.06 | CALL |
| HT-STRIP600-1 | Coax Cable Stripper for 600-Series Cable | 70.41 | 67.59 | 64.78 | CALL |
| HT-STRIP-B1 | Replacement Blades for HT-STRIP400-1/HT-STRIP600-1 | 9.27 | 8.90 | 8.53 | CALL |

USA Made Crimping Tool Accepts Dies for Coaxial or Modular Type Terminations

The HTS2100 crimp tool accepts a variety of dies that allow it to crimp modular or coaxial terminations. This top of the line tool is more compact than competitors' models allowing easier crimping ability for people with smaller hands. Molded grips and carbon steel frame is conservatively rated at 50,000+ crimps.

| | | | | | |
|------------|---|-------|-------|-------|------|
| HTS2100 | Crimp Tool Body, accepts any HTS2100 Die Set | 70.95 | 68.11 | 65.27 | CALL |
| HTS2100-51 | RG58/RG59 Die Set, use for BNCs and TNCs, .068, .213 and .255 hex | 41.95 | 40.27 | 38.59 | CALL |
| HTS2100-53 | RG58/RG59 Die Set, use for SMA's, .042 square, .213 and .255 hex | 41.95 | 40.27 | 38.59 | CALL |
| HTS2100-54 | RG58/RG59 Plenum Die Set, for Plenum BNCs, .042 square, .068, .190 & .213 hex | 41.95 | 40.27 | 38.59 | CALL |
| HTS2100-60 | RG174 Die Set, use for BNCs and SMA's, .068 and .178 hex | 41.95 | 40.27 | 38.59 | CALL |

Weatherproofing Tape

| | | | | | |
|------------|---|-------|-------|-------|------|
| HT-TAPE01 | 3M® Self-Healing Weatherproofing Tape, 2" x 10' roll | 25.85 | 24.82 | 23.78 | CALL |
| HT-TAPE104 | COAX-SEAL #104 Hand Moldable Plastic Weatherproofing Tape, 1/2" x 5' roll | 4.09 | 3.93 | 3.77 | CALL |
| HT-TAPE105 | COAX-SEAL #105 Hand Moldable Plastic Weatherproofing Tape, (4) 1/2" x 12' rolls/box | 38.29 | 36.76 | 35.22 | CALL |
| HT-TAPE106 | COAX-SEAL #106 Hand Moldable Plastic Weatherproofing Tape, (4) 1" x 12' rolls/box | 50.72 | 48.69 | 46.66 | CALL |

Fluke Pocket Toner® NX1

Test for continuity and short circuits on coax cables in one easy step. Basic professional coaxial testing does not get any more compact and simple as PTNX1. The PTNX1 features lightweight aluminum construction, a standard AAA battery, and new dual buzzers that audibly indicate continuity at both ends of the test cable. Like all Pocket Toner® NX test tools, the PTNX1 is 100% low voltage protected so connecting it to live low voltage systems will not damage the tool. **As an authorized Fluke reseller, we can bid on RFQs for any Fluke part numbers.**

Contact us to request a non-obligatory quote.

| Item # | Description | List Price |
|--------|------------------------|------------|
| PTNX1 | Fluke Pocket Toner NX1 | 34.19 |

Fluke Pocket Toner® NX2

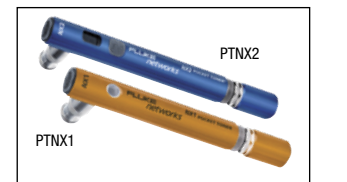
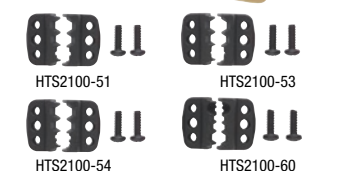
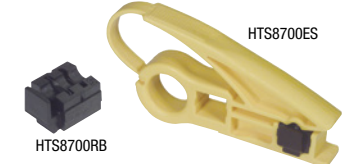
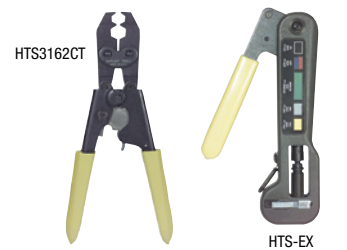
The individual PTNX2 is for the technician that works primarily with coaxial cable that wants a powerful but super-compact tool to fit in his or her pocket. In addition to testing for continuity and short circuits PTNX2 is packed with advanced features like indication of AC or DC voltage, 50-75 Ohm terminators and auto shut-off to conserve battery life. PTNX2 instantly displays all test results on an easy to read 8-segment LED display as well as giving audible feedback at both ends of the test cable. Like all Pocket Toner® NX test tools, the NX2 is 100% low voltage protected so connecting it to live low voltage systems will not damage the tool. **As an authorized Fluke reseller, we can bid on RFQs for any Fluke part numbers.**

| | | |
|-------|------------------------|-------|
| PTNX2 | Fluke Pocket Toner NX2 | 44.56 |
|-------|------------------------|-------|

Professional Grade 8 Point Center Pin Crimp Tool

This professional grade tool makes pin crimping a breeze. Featuring a multipoint design which has proven to be one of the most reliable attachment methods. Designed for use with the BAC-UPL Series plugs.

| | | |
|------------|--|--------|
| HT010-0055 | 8 Point Center Pin Crimp Tool | 207.19 |
| HTS-CD3-11 | 734/735 Hex Crimp Die (.255", .178") | 108.75 |
| HTS-CD3-21 | 1505/1506 Hex Crimp Die (.255", .290") | 155.38 |



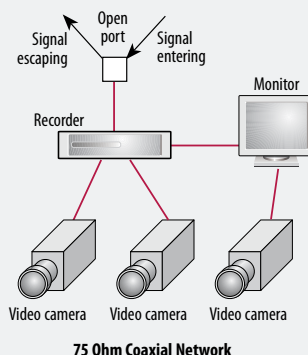
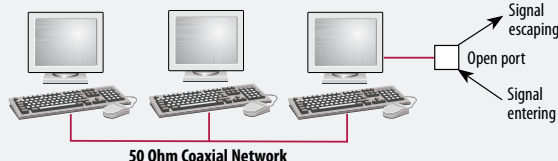


Auto-Terminating Adapters 50 and 75 Ohm



Tip Why use an auto terminating adapter?

In today's complex audio, video, data world coaxial cables are used to interconnect various devices. Many times a coaxial cable will not be connected to anything causing an open port which allows signals to escape. This can possibly interfere with an adjacent device and allow signals to enter the network as interference. The use of an auto terminating adapter eliminates this problem by automatically terminating the open port any time a connecting device is disconnected. This eliminates the need to attach a separate terminator which is often lost or forgotten.



SMA Coaxial Line Terminators - Match Impedances of the Unused Port or Cable End

| Item # | Description | 1-9 | 10-24 | 25-99 | 100+ |
|-----------|---|------|-------|-------|------|
| BTS5F | SMA Terminator, Female, 50 Ohm, Green | 8.49 | 8.15 | 7.81 | CALL |
| BTS5M | SMA Terminator, Male, 50 Ohm, Green | 8.49 | 8.15 | 7.81 | CALL |
| ARSP-TERM | SMA Reverse Polarity Terminator, Male, 0-6 GHz (50 Ohm) | 6.53 | 6.01 | 5.48 | CALL |

BNC Line Terminators - Fully Insulated, Select Impedance to Match Coaxial Cables

Terminators are generally used at the far end of the line. Resistance should match characteristic impedance of the coaxial line, so no reflections or standing waves are present when the signal enters. All terminators listed are rated at 0.5 watt. Fully insulated male versions include Black hood cover as shown. Color coded body to match resistance.

| | | | | | |
|-------|--|------|------|------|------|
| BIF5M | BNC Terminator, Male, use with RG58 (50 Ohm), Green | 6.04 | 5.56 | 5.07 | CALL |
| BIF7M | BNC Terminator, Male, use with RG59 (75 Ohm), Violet | 5.54 | 5.10 | 4.66 | CALL |
| BIF9M | BNC Terminator, Male, use with RG62 (93 Ohm), White | 6.04 | 5.56 | 5.07 | CALL |
| BIF5F | BNC Terminator, Female, use with RG58 (50 Ohm), Green | 4.79 | 4.40 | 4.02 | CALL |
| BIF7F | BNC Terminator, Female, use with RG59 (75 Ohm), Violet | 4.51 | 4.15 | 3.79 | CALL |

Deluxe BNC and Type N Terminators - Machined Metal Construction with Full Shielding

These deluxe terminators offer a machined body versus a plastic one. One model also available with grounding cable.

| | | | | | |
|-----------|---|------|------|------|------|
| BTB5MD | BNC Terminator, Male, use with RG58 (50 Ohm) | 6.04 | 5.80 | 5.56 | CALL |
| BTB5FD | BNC Terminator, Female, use with RG58 (50 Ohm) | 6.04 | 5.80 | 5.56 | CALL |
| BTB7MD | BNC Terminator, Male, use with RG59 (75 Ohm) | 5.65 | 5.20 | 4.74 | CALL |
| BTB7FD | BNC Terminator, Female, use with RG59 (75 Ohm) | 5.65 | 5.20 | 4.74 | CALL |
| BTB9MD | BNC Terminator, Male, use with RG62 (93 Ohm) | 6.04 | 5.80 | 5.56 | CALL |
| BM50G-1W | BNC Terminator, Male with Ground Cable (50 Ohm) | 7.24 | 6.66 | 6.08 | CALL |
| ANF-TERM | Type N Terminator, Female, 0-6 GHz (50 Ohm) | 9.96 | 9.16 | 8.36 | CALL |
| ANM-TERM1 | Type N Terminator, Male, 0-6 GHz (50 Ohm) | 9.96 | 9.16 | 8.36 | CALL |

Type F 75 Ohm Terminators - Simple Design Minimizes RF Reflections

Also known as dummy loads, terminators are an essential component in the proper termination of unused outputs of line splitters and amplifiers. Sold in packages of 10.

| | | | | | |
|--------|----------------------------------|------|------|------|------|
| BTF75M | Type F 75 Ohm Terminator, Pkg/10 | 5.39 | 4.96 | 4.53 | CALL |
|--------|----------------------------------|------|------|------|------|

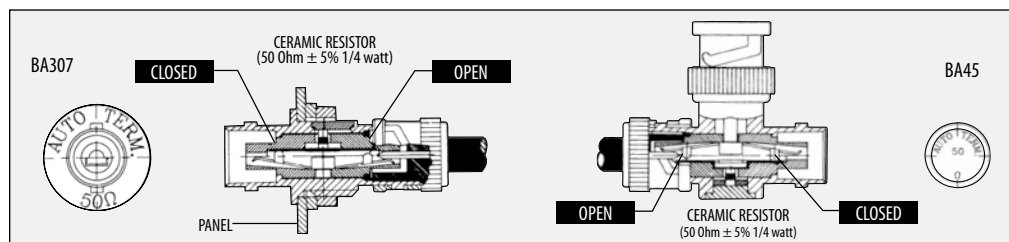
Deluxe Chained Protective Caps

| | | | | | |
|-----------|--|-------|------|------|------|
| ADM-CAP01 | Protective Cap for 7/16 DIN Female, with Chain | 10.83 | 9.96 | 9.09 | CALL |
| ANM-CAP01 | Protective Cap for Type N/UHF Female, with Chain | 6.20 | 5.71 | 5.21 | CALL |
| ANF-CAP01 | Protective Cap for Type N/UHF Male, with Chain | 6.31 | 5.81 | 5.30 | CALL |
| ASF-CAP01 | Protective Cap for SMA Male, with Chain | 6.20 | 5.71 | 5.21 | CALL |
| BA09 | Protective Cap for SMA Female, with Chain | 6.31 | 5.81 | 5.30 | CALL |
| USP-PCB | Protective Cap for BNC Female, with Chain | 3.70 | 3.55 | 3.40 | CALL |
| USP-PCT | Protective Cap for TNC Female, with Chain | 3.70 | 3.55 | 3.40 | CALL |

Auto-Terminating Bulkhead or T Adapter - Does Not Need Terminator on Open End

Any rack panel with half inch diameter D-holes will accept either the BA307 or BA307-75 BNC auto-terminating bulkhead adapters. They save the cost and nuisance of using separate terminators. Also available are the BA45 and BA45-75 (F-M-F) T adapters, equipped with internal 50 or 75 Ohm auto-terminators.

| | | | | | |
|----------|---|-------|------|------|------|
| BA307 | BNC Auto-Terminating (F-F) Bulkhead Adapter, 50 Ohm | 8.60 | 8.08 | 7.56 | CALL |
| BA307-75 | BNC Auto-Terminating (F-F) Bulkhead Adapter, 75 Ohm | 7.93 | 7.29 | 6.66 | CALL |
| BA45 | BNC Auto-Terminating (F-M-F) T Adapter, 50 Ohm | 10.55 | 9.92 | 9.29 | CALL |
| BA45-75 | BNC Auto-Terminating (F-M-F) T Adapter, 75 Ohm | 9.79 | 9.01 | 8.23 | CALL |



BNC Test Leads and Adapters - Your Most Useful Laboratory Accessory Items

Here's an opportunity to purchase quality test lead and adapter accessories for your lab. For use primarily with BNC connectors and dual banana plugs which are the most popular in the lab.

| Item # | Description | 1-9 | 10-24 | 25-99 | 100+ |
|--------|---|------|-------|-------|------|
| BC25 | Test Cable, BNC Male/6" (15.2cm) Leads with Tinned Ends | 3.73 | 3.43 | 3.13 | CALL |
| BC30 | Test Cable, BNC Male/6" (15.2cm) Leads with Banana Plugs | 5.88 | 5.41 | 4.94 | CALL |
| BC40 | Test Cable, BNC Male/6" (15.2cm) Leads with Test Clips | 6.15 | 5.66 | 5.16 | CALL |
| BC50 | Test Cable, BNC Male/6" (15.2cm) Leads with Alligator Clips | 5.44 | 5.00 | 4.57 | CALL |
| BC55 | Test Cable, BNC Female/6" (15.2cm) Leads with Tinned Ends | 4.03 | 3.70 | 3.38 | CALL |
| BC60 | Test Cable, BNC Female/6" (15.2cm) Leads with Banana Plugs | 5.93 | 5.46 | 4.98 | CALL |
| BC70 | Test Cable, BNC Female/6" (15.2cm) Leads with Test Clips | 6.15 | 5.66 | 5.16 | CALL |
| BC80 | Test Cable, BNC Female/6" (15.2cm) Leads with Alligator Clips | 6.15 | 5.66 | 5.16 | CALL |
| BC2710 | Test Adapter, BNC Female/Dual Banana Plugs | 6.31 | 5.81 | 5.30 | CALL |
| BC2720 | Test Adapter, BNC Male/Dual Binding Posts | 6.96 | 6.41 | 5.85 | CALL |
| BC2730 | Test Adapter, BNC Female/Dual Binding Posts | 6.96 | 6.41 | 5.85 | CALL |

Solder Cup Banana Plugs - Black or Red, Accepts up to 16 AWG Wires

| | | | | | |
|--------|--------------------------------|------|------|------|------|
| BC030B | Solder Type Banana Plug, Black | 1.64 | 1.51 | 1.38 | CALL |
| BC030R | Solder Type Banana Plug, Red | 1.63 | 1.50 | 1.37 | CALL |

Coaxial Test Cables - With BNC and Dual Banana Plugs, Choice of Lengths

These test cables use the most popular 50 Ohm RG58C coaxial cable. Choice of two series as shown.

| | | | | | |
|----------|---|-------|-------|-------|------|
| BCC58C-1 | Test Cable, BNC Male/Dual Banana, 1.0ft (0.3m) | 16.84 | 16.16 | 15.49 | CALL |
| BCC58C-2 | Test Cable, BNC Male/Dual Banana, 2.0ft (0.6m) | 17.72 | 17.01 | 16.30 | CALL |
| BCC58C-3 | Test Cable, BNC Male/Dual Banana, 3.0ft (0.9m) | 18.60 | 17.86 | 17.11 | CALL |
| BCC58C-4 | Test Cable, BNC Male/Dual Banana, 4.0ft (1.2m) | 19.48 | 18.70 | 17.92 | CALL |
| BCC58C-5 | Test Cable, BNC Male/Dual Banana, 5.0ft (1.5m) | 20.31 | 19.50 | 18.68 | CALL |
| BCB58C-1 | Test Cable, Dual Banana/Dual Banana, 1.0ft (0.3m) | 16.84 | 16.16 | 15.49 | CALL |
| BCB58C-2 | Test Cable, Dual Banana/Dual Banana, 2.0ft (0.6m) | 17.72 | 17.01 | 16.30 | CALL |
| BCB58C-3 | Test Cable, Dual Banana/Dual Banana, 3.0ft (0.9m) | 18.60 | 17.86 | 17.11 | CALL |
| BCB58C-4 | Test Cable, Dual Banana/Dual Banana, 4.0ft (1.2m) | 19.48 | 18.70 | 17.92 | CALL |
| BCB58C-5 | Test Cable, Dual Banana/Dual Banana, 5.0ft (1.5m) | 20.31 | 19.50 | 18.68 | CALL |

Dual Banana Plug - Easy Connection to Coaxial Cable or Discrete Wires

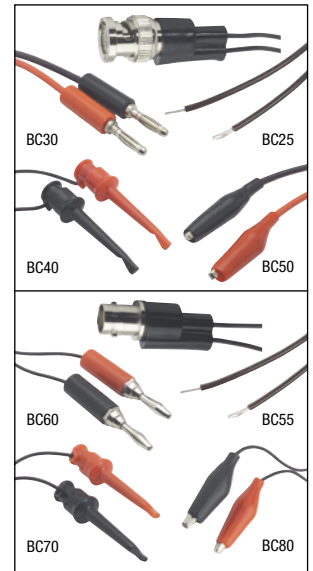
AThis dual banana plug allows easy connection to coaxial cable with an outer diameter of .220 in. (0.6cm) or less. Screw terminals allow termination without soldering. Gold plated.

| | | | | | |
|----------|------------------------------------|------|------|------|------|
| BP125209 | Dual Banana Plug for Coax or Wires | 3.64 | 3.43 | 3.21 | CALL |
|----------|------------------------------------|------|------|------|------|

BNC/Banana/Binding Post Adapter Kit - What You Need to Mate Any Test Cable

This kit contains 1 each BNC female and BNC male to dual binding posts, BNC female to dual banana plugs and a pair of BNC gender changers M-M and F-F. Provided in a 7 compartment plastic box (2 spares). Assortment price represents a cost savings over the purchase of individual units. Save even more when purchased in multiple lots.

| | | | | | |
|---------|-------------------------------------|-------|-------|-------|------|
| BC2700K | 5 Piece BNC/Dual Banana Adapter Kit | 24.86 | 22.87 | 20.88 | CALL |
|---------|-------------------------------------|-------|-------|-------|------|



Tip What are the differences between various laboratory test leads?

The common feature of test leads used in a laboratory environment is ease of connection and disconnection since most attachments are temporary in nature and are often being changed. Below is a list of some of the most common test leads found in a lab.



Banana Plugs

Banana Plugs

A high-quality plug and socket for speaker cable. The banana plug is pushed into the socket, the spring-like protrusions on the prong make a snug fit.



Alligator Clips

Alligator Clips

A spring-loaded clip with serrated jaws, often used to make temporary electrical connections.



Test Clips

Test Clips

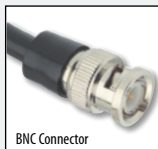
Used in many probing applications, test clips can be quickly attached to bare wires or other conducting features.



Binding Posts

Binding Posts

Typically used in an audio application, it features a threaded collar for gripping bare wires.



BNC Connector

BNC Connector

A commonly used coaxial interface for audio, video and networking applications that provides a secure connection. Coupling is achieved utilizing mating post on the jack and a spring loaded coupling nut on the plug. A simple quarter turn of the coupling nut completes the mating process.



Lightning Protected 400-Series 50 Ohm Coax Cable Assemblies

L-com's lightning protected 400-series cable assemblies feature an in-line gas discharge tube lightning protector attached directly to the cable. This not only reduces the cost since a connector is eliminated, but helps reduce return loss and insertion loss. These cable assemblies feature L-com's CA-400 high performance low loss coaxial cable. Attached directly to the cable is L-com's AL6-NF-14-9 or AL6-NM-14-9 5.8 GHz gas discharge coaxial lightning protector. Along with the standard lengths and connectors, custom lengths and connectors are also available. Contact L-com sales for more information.

| Item # | Description | 1-9 | 10-24 | 25-99 | 100+ |
|--------|-------------|-----|-------|-------|------|
|--------|-------------|-----|-------|-------|------|

400-Series 50 Ohm Type N Male to Type N Female Bulkhead Lightning Protector Cable Assemblies

| | | | | | |
|--------------|---|-------|-------|-------|------|
| CA4NMLPNF002 | 400-Series Cable, Type N Male/Type N Female Bulkhead Lightning Protector, 2.0ft (0.6m) | 49.56 | 44.60 | 39.65 | CALL |
| CA4NMLPNF004 | 400-Series Cable, Type N Male/Type N Female Bulkhead Lightning Protector, 4.0ft (1.2m) | 50.65 | 45.58 | 40.52 | CALL |
| CA4NMLPNF010 | 400-Series Cable, Type N Male/Type N Female Bulkhead Lightning Protector, 10.0ft (3.0m) | 55.50 | 49.95 | 44.40 | CALL |
| CA4NMLPNF020 | 400-Series Cable, Type N Male/Type N Female Bulkhead Lightning Protector, 20.0ft (6.1m) | 63.58 | 57.22 | 50.86 | CALL |

400-Series 50 Ohm Type N Male to Type N Male Lightning Protector Cable Assemblies

| | | | | | |
|--------------|--|-------|-------|-------|------|
| CA4NMLPNM002 | 400-Series Cable, Type N Male/Type N Male Lightning Protector, 2.0ft (0.6m) | 49.03 | 44.13 | 39.23 | CALL |
| CA4NMLPNM004 | 400-Series Cable, Type N Male/Type N Male Lightning Protector, 4.0ft (1.2m) | 50.65 | 45.58 | 40.52 | CALL |
| CA4NMLPNM010 | 400-Series Cable, Type N Male/Type N Male Lightning Protector, 10.0ft (3.0m) | 55.50 | 49.95 | 44.40 | CALL |
| CA4NMLPNM020 | 400-Series Cable, Type N Male/Type N Male Lightning Protector, 20.0ft (6.1m) | 63.58 | 57.22 | 50.86 | CALL |

400-Series 50 Ohm Type N Female to Type N Female Bulkhead Lightning Protector Cable Assemblies

| | | | | | |
|--------------|---|-------|-------|-------|------|
| CA4NFLPNF002 | 400-Series Cable, Type N Female/Type N Female Bulkhead Lightning Protector, 2.0ft (0.6m) | 49.03 | 44.13 | 39.23 | CALL |
| CA4NFLPNF004 | 400-Series Cable, Type N Female/Type N Female Bulkhead Lightning Protector, 4.0ft (1.2m) | 50.65 | 45.58 | 40.52 | CALL |
| CA4NFLPNF010 | 400-Series Cable, Type N Female/Type N Female Bulkhead Lightning Protector, 10.0ft (3.0m) | 55.50 | 49.95 | 44.40 | CALL |
| CA4NFLPNF020 | 400-Series Cable, Type N Female/Type N Female Bulkhead Lightning Protector, 20.0ft (6.1m) | 63.58 | 57.22 | 50.86 | CALL |

400-Series 50 Ohm Type N Female to Type N Male Lightning Protector Cable Assemblies

| | | | | | |
|--------------|--|-------|-------|-------|------|
| CA4NFLPNM002 | 400-Series Cable, Type N Female/Type N Male Lightning Protector, 2.0ft (0.6m) | 49.03 | 44.13 | 39.23 | CALL |
| CA4NFLPNM004 | 400-Series Cable, Type N Female/Type N Male Lightning Protector, 4.0ft (1.2m) | 50.65 | 45.58 | 40.52 | CALL |
| CA4NFLPNM010 | 400-Series Cable, Type N Female/Type N Male Lightning Protector, 10.0ft (3.0m) | 55.50 | 49.95 | 44.40 | CALL |
| CA4NFLPNM020 | 400-Series Cable, Type N Female/Type N Male Lightning Protector, 20.0ft (6.1m) | 63.58 | 57.22 | 50.86 | CALL |

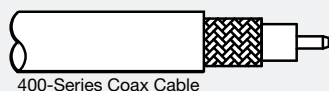
0-6 GHz In-line Crimp Type Coaxial Protectors

L-com's crimp type coaxial protectors are designed to be attached directly onto a 400-series Low Loss coax cable via the solderless crimp end of the protector. This helps improve insertion loss since a cable connector is eliminated. They feature a replaceable gas tube element, multi-strike capability and fast response time.

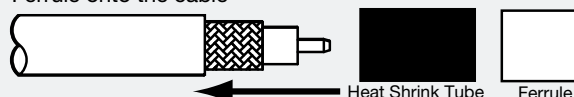
| | | | | | |
|-------------|--|-------|-------|-------|------|
| AL6-NF-14-9 | Type N Female Bulkhead to Crimp End, 90V | 36.59 | 33.66 | 30.73 | CALL |
| AL6-NM-14-9 | Type N Male to Crimp End, 90V | 36.59 | 33.66 | 30.73 | CALL |

How to Install L-com's Crimp Type Coax Lightning Protector

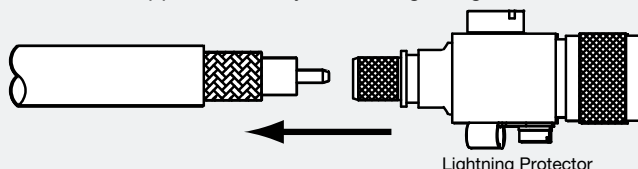
1. Strip unterminated end of 400-Series cable (see drawing on web site for dimensions)



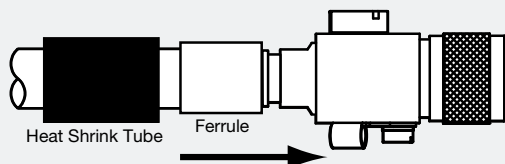
2. Slide supplied heat shrink tube followed by the Ferrule onto the cable



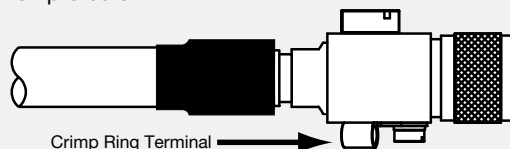
3. Insert the stripped cable fully into the Lightning Protector



4. Slide Ferrule into place and crimp (see drawing on web site for dimensions), then slide heat shrink into place and apply heat



5. Attach ground wire to Crimp Ring Terminal on protector



Stainless Steel Wall Plates - Unbreakable and Offer An Enhanced Appearance

Wall plates that accept a variety of termination devices are found to be useful by many installers. Wall plates also provide a more organized accommodation to your day-to-day cabling needs. Furthermore, stainless steel gives a commercial appearance that is sometimes more acceptable in today's business office environment. The variety we offer fills most installation needs.

| Item # | Description | 1-9 | 10-24 | 25-99 | 100+ |
|--------|---|------|-------|-------|------|
| WPC1 | Stainless Wall Plate, One 0.5" (1.3cm) dia. D-hole | 2.23 | 2.09 | 1.96 | CALL |
| WPC10 | Stainless Wall Plate, One 0.75" (1.9cm) dia. D-hole | 3.06 | 2.81 | 2.57 | CALL |
| WPD3 | Stainless Wall Plate, One DB25 Opening and One 0.5" (1.3cm) dia. D-hole | 3.51 | 3.30 | 3.09 | CALL |

Panel Mount Receptacle Connectors

These series of connectors are intended for panel mounting with discrete receptacle terminations. Offered in BNC, RCA, SMA and Type N interfaces with various mounting configurations.

| | | | | | |
|----------|-------------------------------|------|------|------|------|
| BAC1501 | BNC Male Bulkhead | 3.64 | 3.43 | 3.21 | CALL |
| BAC1503 | BNC Female Bulkhead | 3.64 | 3.43 | 3.21 | CALL |
| BAC930 | BNC Female Bulkhead | 7.24 | 6.80 | 6.37 | CALL |
| BAC440 | RCA Female Insulated Bulkhead | 4.79 | 4.50 | 4.21 | CALL |
| BAC260 | BNC Female, 4 Hole Flange | 3.64 | 3.43 | 3.21 | CALL |
| ANF-4000 | Type N Female, 4 Hole Flange | 4.52 | 4.15 | 3.79 | CALL |
| BAC70A | BNC Female Bulkhead | 3.64 | 3.43 | 3.21 | CALL |
| BAC16 | SMA Female Bulkhead | 6.04 | 5.68 | 5.31 | CALL |

T1 Communication Systems - A Brief Primer

The T1 line is the most widely used switched digital communication circuit used in America today. T1s are used for connecting phone and computer networks to public switched network infrastructures. Each T1 is equivalent to 24 64Kbps communication channels. Each channel utilizes two 100 Ohm shielded twisted pairs; one for transmit (TX) and one for receive (RX). Some T1 equipment uses two 75 Ohm coaxial connections for the TX and RX channels. Baluns are used to bridge the gap between 75 Ohm coaxial and 100 Ohm twisted pair.

Note: An E1 circuit is the European equivalent of the American T1. The infrastructure uses 120 Ohm shielded twisted pairs so 75/120 baluns would be used in European applications.

T1 - E1 Differences

| | NAME | #64Kbps CHANNELS | TWISTED PAIR TYPE | COAXIAL TYPE |
|-------------------|------|------------------|--|--------------------------------|
| USA Standard | T1 | 24 | 2 100 Ohms Shielded Twisted Pair (RJ45s Typical) | 75 Ohms (BNC Typical) |
| European Standard | E1 | 32 | 2 120 Ohms Shielded Twisted Pair (RJ45s Typical) | 75 Ohms (BNC, 1.6/5.6 Typical) |

75 to 120 Ohm Transmission Baluns for Telecommunication Applications

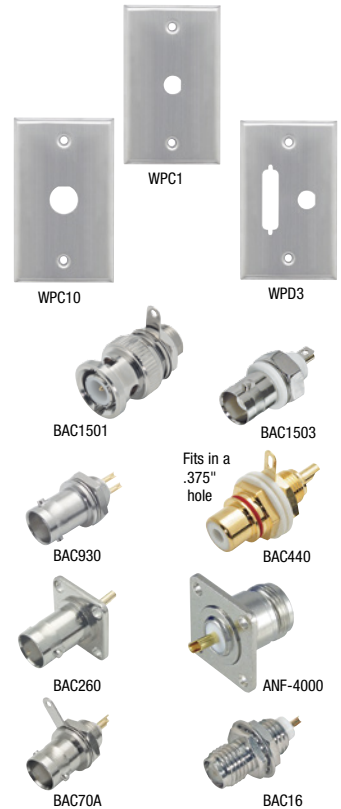
75/120 Ohm impedance matching baluns allow users to use inexpensive shielded twisted pair cabling in place of expensive coaxial cabling. They are especially useful in telecommunication applications for patching at the distribution frame. Units meet CCITT Recommendation G703 and are great for American or European applications. Choose from multiple coaxial connector types as well as Krone IDC or compression IDC termination styles.

| Item # | Description | List Price |
|---------|--|------------|
| ACK2010 | 75 to 120 Ohm Balun, 1.6/5.6 Plug (Screw Type)/Krone IDC | 22.30 |
| ACK3010 | 75 to 120 Ohm Balun, 1.6/5.6 Jack/Krone IDC | 33.18 |
| ACK8010 | 75 to 120 Ohm Balun, BNC Plug/Krone IDC | 31.82 |
| ACK9010 | 75 to 120 Ohm Balun, BNC Bulkhead Jack/Krone IDC | 31.82 |
| ACK8060 | 75 to 120 Ohm Balun, BNC Plug/Compression IDC | 37.61 |

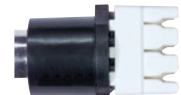
Tool-less CCTV Video Balun

The TL-VB-BNC is perfect for on the spot field installations or repairs. The tool-less design makes termination easy and fast. Supports full color video up to 2,200 feet over Cat5 cabling.

| Item # | Description | 1-9 | 10-24 | 25-99 | 100+ |
|-----------|--------------------------------------|-------|-------|-------|------|
| TL-VB-BNC | Tool-less CCTV Video Balun, BNC Male | 14.77 | 14.47 | 14.18 | CALL |



ACK SERIES KRONE IDC TYPE



Terminate wires with punch down tool



Tip What is a balun?

The term balun (pronounced "bal-un") is derived from the function of the passive device that converts between a BALanced and UNbalanced electrical signal. Common types of baluns convert 100 Ohm twisted pair (balanced) to 75 Ohm coaxial (unbalanced).

Fiber Optic Tutorial

What are Fiber Optic Cables?

Fiber optic cables consist of a glass core and cladding, buffer coating, Kevlar strength members and a protective outer jacket. Fiber optic cables use light pulses as opposed to electrical signals to send information.

How are Fiber Optic Cables used?

Fiber optic cables can be plugged into communications equipment and patch panels to provide a physical connection to a network or device.

Where are Fiber Optic Cables used?

Fiber optic cables are used by commercial business, governments, the military and many other industries for myriad applications involving the transmission of voice, video and data.

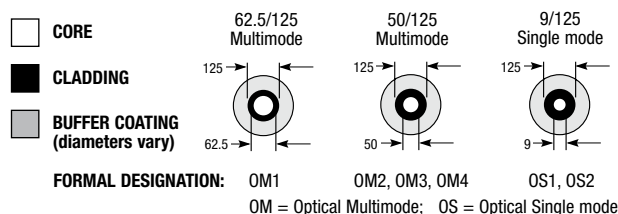
A Quick Lesson In Optical Transmission

Where copper cabling uses electricity to transmit signals from one end to another, fiber optics use light pulses to accomplish the same purpose. The fiber cable is made of a transparent glass core surrounded by a mirror like covering called cladding. Light passes through the cable, bouncing off the cladding until it reaches the other end of the fiber channel.

In today's high speed networks, Graded Index Multimode fiber or Step Index Single mode fiber is used to improve light transmission over long distances. Multimode fiber has a larger core and is typically used in short runs within buildings. Single mode fiber has a smaller core and is used in long distance runs typically outside between buildings.

Fiber Core Sizes

Fiber specifications list the core and cladding diameters as a ratio to determine the fiber type. Multimode fiber is commonly 62.5/125 or 50/125 micron and Single mode fiber is commonly 9/125 micron.



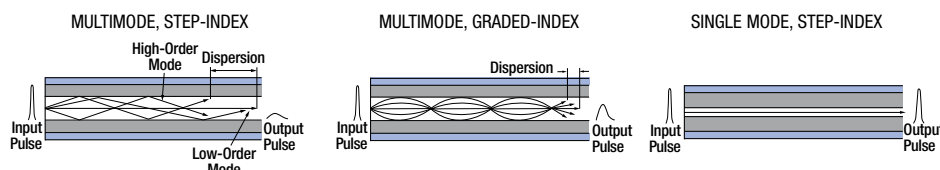
Polish Types/Typical Back Reflection

In Single mode applications the amount of back reflection on assemblies can be critical. L-com offers both PC and APC Single mode assemblies off the shelf. UPC finishes are available by custom order.



Fiber Glass Types

Stepped Index Fiber relies on the reflection of light whereas in Graded Index Fiber, the properties of the glass are changed in layers to "bend" the light as it travels down the cable. This reduces modal dispersion within the cable allowing for higher transmission rates.



| | Connector Type | Coupling Type | Fiber Type | Polish | Number Fibers | Typical Applications | Comment |
|--|----------------|--------------------|-----------------------|--------------|---------------|--|---|
| | LC | Snap On RJ45 Style | Single mode/Multimode | PC, UPC, APC | 1 | Gigabit Ethernet, Video Multimedia | Small Form Factor (SFF) |
| | MPO (MTP) | Push/Pull | Single mode/Multimode | N/A | 6 or 12 | Active Device Transceiver, Interconnections for O/E Modules, QSFP Transceivers | One Mating Connector must have Alignment Pins |
| | SC | Snap On | Single mode/Multimode | PC, UPC, APC | 1 | CATV, Test Equipment | Keyed |
| | ST | Twist On | Single mode/Multimode | PC, UPC | 1 | LANS, Military | Keyed |
| | FC | Screw On | Single mode/Multimode | PC, UPC, APC | 1 | Datacom, Telecommunications | Keyed |
| | MT-RJ | Snap On RJ45 Style | Single mode/Multimode | N/A | 2 | Gigabit Ethernet, Asynchronous Transmission mode (ATM) | One Mating Connector must have Alignment Pins |

**Learn all about
fiber connectors**

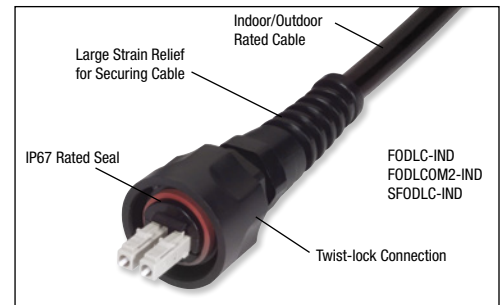
Online Video

[L-com.com/Videos/A21](https://l-com.com/Videos/A21)

IP67 Harsh Environment Fiber

L-com's IP67 rated Duplex LC cable assemblies are perfect for industrial networks and harsh environments where protection from moisture, dust, chemicals, corrosive gases and other liquids is essential. These rugged assemblies feature robust outdoor rated cable, which stands up to hostile environments, plus IP67 rated LC connectors. Accessories include bulkhead style adapters where one side is designed for standard LC fiber cable connections and the other will accept the industrial LC connector. Additional caps for both the connector and bulkhead adapter are also available. OM3 rated cables are available online or use L-com's Custom Cable Configurator at L-com.com.

| Item # | Description | 1-9 |
|-----------------|--|--------|
| FODLC-IND-01 | OM1 IP67 Fiber Cable, Dual LC / Dual LC, 1.0m | 178.42 |
| FODLC-IND-03 | OM1 IP67 Fiber Cable, Dual LC / Dual LC, 3.0m | 187.13 |
| FODLC-IND-05 | OM1 IP67 Fiber Cable, Dual LC / Dual LC, 5.0m | 195.83 |
| FODLC-IND-10 | OM1 IP67 Fiber Cable, Dual LC / Dual LC, 10.0m | 217.59 |
| FODLCOM2-IND-01 | OM2 IP67 Fiber Cable, Dual LC / Dual LC, 1.0m | 195.83 |
| FODLCOM2-IND-03 | OM2 IP67 Fiber Cable, Dual LC / Dual LC, 3.0m | 203.08 |
| FODLCOM2-IND-05 | OM2 IP67 Fiber Cable, Dual LC / Dual LC, 5.0m | 209.30 |
| FODLCOM2-IND-10 | OM2 IP67 Fiber Cable, Dual LC / Dual LC, 10.0m | 225.88 |
| SFODLC-IND-01 | Single mode IP67 Fiber Cable, Dual LC / Dual LC, 1.0m | 189.30 |
| SFODLC-IND-03 | Single mode IP67 Fiber Cable, Dual LC / Dual LC, 3.0m | 197.18 |
| SFODLC-IND-05 | Single mode IP67 Fiber Cable, Dual LC / Dual LC, 5.0m | 205.26 |
| SFODLC-IND-10 | Single mode IP67 Fiber Cable, Dual LC / Dual LC, 10.0m | 223.81 |
| FOC-XPLC2-MM | Duplex Multimode LC IP67 Connector | 68.18 |
| FOC-XPLC2-SM | Duplex Single mode LC IP67 Connector | 86.06 |
| XLC-MM | Multimode IP67 Duplex LC Bulkhead Adapter | 46.47 |
| XLC-SM | Single mode IP67 Duplex LC Bulkhead Adapter | 56.94 |
| X-CAP | IP67 Duplex LC Cap with Chain for Bulkhead Receptacle | 10.31 |
| XPM-CAP2 | IP67 Duplex LC Cap with Chain for Industrial Plugs | 15.44 |



IP68 rated Ruggedized LC Plugs and Receptacles

L-com's Ruggedized IP68 rated LC plugs and receptacles combine the small form factor of a duplex LC fiber connector with the ruggedness of a harsh environment connector. When mated properly or capped, an IP68 rating protects your application from moisture, liquid and dust. The plugs utilize a robust 400lb pull strength and all parts are machined metal with an impressive 450lb crush resistance. These ruggedized parts will survive even the most harsh and demanding environments. Parts are available in Multimode, Single mode or Single mode APC polish to suit all applications. All plugs and receptacles come with dust caps.

| Item # | Description | 1-9 |
|--------------|---|--------|
| RLRB121LP01A | Ruggedized LC IP68 Plug, Duplex, Multimode w/ Dust Cap | 142.96 |
| RLRB121LP02B | Ruggedized LC IP68 Plug, Duplex, Single mode w/ Dust Cap | 142.46 |
| RLRB121LP02E | Ruggedized LC IP68 Plug, Duplex, Single mode APC Polish w/ Dust Cap | 148.94 |

IP68 Ruggedized LC Flange Mount Receptacles

| | | |
|--------------|--|-------|
| RLRD121LC01A | Ruggedized LC IP68 Flange Mount Receptacle, Duplex, Multimode w/ Dust Cap | 72.04 |
| RLRD121LC02B | Ruggedized LC IP68 Flange Mount Receptacle, Duplex, Single mode w/ Dust Cap | 71.42 |
| RLRD121LC02E | Ruggedized LC IP68 Flange Mount Receptacle, Duplex, Single mode APC Polish w/ Dust Cap | 73.06 |

IP68 Ruggedized LC Jam Nut Receptacles

| | | |
|--------------|---|-------|
| RLRK121LC01A | Ruggedized LC IP68 Jam Nut Receptacle, Duplex, Multimode w/ Dust Cap | 81.96 |
| RLRK121LC02B | Ruggedized LC IP68 Jam Nut Receptacle, Duplex, Single mode w/ Dust Cap | 71.96 |
| RLRK121LC02E | Ruggedized LC IP68 Jam Nut Receptacle, Duplex, Single mode APC Polish w/ Dust Cap | 81.96 |

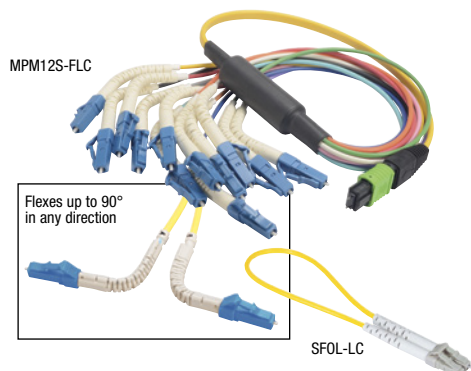
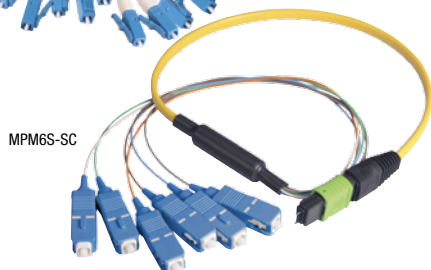
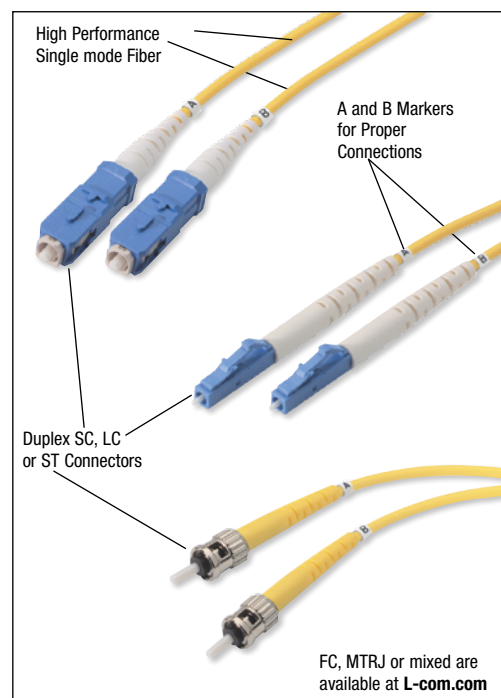
IP68 Ruggedized LC D38999 Jam Nut Receptacles

| | | |
|--------------|--|-------|
| RLRJ121LC01A | Ruggedized LC IP68 D38999 Jam Nut Receptacle, Duplex, Multimode w/ Dust Cap | 92.52 |
| RLRJ121LC02B | Ruggedized LC IP68 D38999 Jam Nut Receptacle, Duplex, Single mode w/ Dust Cap | 92.52 |
| RLRJ121LC02E | Ruggedized LC IP68 D38999 Jam Nut Receptacle, Duplex, Single mode APC Polish w/ Dust Cap | 92.52 |

IP68 Ruggedized LC Daisy-Chainable Receptacles

| | | |
|--------------|---|-------|
| RLRP121LC01A | Ruggedized LC IP68 Daisy Chain Receptacle, Duplex, Multimode w/ Dust Cap | 65.54 |
| RLRP121LC02B | Ruggedized LC IP68 Daisy Chain Receptacle, Duplex, Single mode w/ Dust Cap | 65.38 |
| RLRP121LC02E | Ruggedized LC IP68 Daisy Chain Receptacle, Duplex, Single mode APC polish w/ Dust Cap | 65.70 |





9/125 Single mode Duplex Patch Cords

L-com's 9/125 fiber optic cables are 100% optically tested and utilize a PC polish. Check L-com.com for additional length, color and connector options. All cable measurements are in meters. 1m=3.28ft. See L-com's Custom Cable Configurator to make your own length variations of existing cables in any whole foot or meter increment.

| Item # | Description | 1-9 |
|--------|-------------|-----|
|--------|-------------|-----|

9/125 Single mode Duplex Fiber Patch Cords (APC and Simplex options are available online)

PVC RISER (OFNR) RATED OPTIONS

| | | |
|------------|---|-------|
| SF0DLCL-01 | Single mode Fiber Cable, Dual LC/Dual LC, OFNR Jacket, Yellow, 1.0m | 32.02 |
| SF0DLCL-02 | Single mode Fiber Cable, Dual LC/Dual LC, OFNR Jacket, Yellow, 2.0m | 33.11 |
| SF0DLCL-03 | Single mode Fiber Cable, Dual LC/Dual LC, OFNR Jacket, Yellow, 3.0m | 34.19 |
| SF0DSC-01 | Single mode Fiber Cable, Dual SC/Dual SC, OFNR Jacket, Yellow, 1.0m | 20.15 |
| SF0DSC-02 | Single mode Fiber Cable, Dual SC/Dual SC, OFNR Jacket, Yellow, 2.0m | 21.24 |
| SF0DSC-03 | Single mode Fiber Cable, Dual SC/Dual SC, OFNR Jacket, Yellow, 3.0m | 22.33 |

| | | |
|-----------|---|-------|
| SF0DST-01 | Single mode Fiber Cable, Dual ST/Dual ST, OFNR Jacket, Yellow, 1.0m | 20.15 |
| SF0DST-02 | Single mode Fiber Cable, Dual ST/Dual ST, OFNR Jacket, Yellow, 2.0m | 21.24 |
| SF0DST-03 | Single mode Fiber Cable, Dual ST/Dual ST, OFNR Jacket, Yellow, 3.0m | 22.33 |

| | | |
|--------------|---|-------|
| SF0DSC-LC-01 | Single mode Fiber Cable, Dual SC/Dual LC, OFNR Jacket, Yellow, 1.0m | 32.17 |
| SF0DSC-LC-02 | Single mode Fiber Cable, Dual SC/Dual LC, OFNR Jacket, Yellow, 2.0m | 33.26 |
| SF0DSC-LC-03 | Single mode Fiber Cable, Dual SC/Dual LC, OFNR Jacket, Yellow, 3.0m | 34.40 |

| | | |
|--------------|---|-------|
| SF0DST-LC-01 | Single mode Fiber Cable, Dual ST/Dual LC, OFNR Jacket, Yellow, 1.0m | 30.98 |
| SF0DST-LC-02 | Single mode Fiber Cable, Dual ST/Dual LC, OFNR Jacket, Yellow, 2.0m | 32.02 |
| SF0DST-LC-03 | Single mode Fiber Cable, Dual ST/Dual LC, OFNR Jacket, Yellow, 3.0m | 33.11 |

PLENUM (OFNP) RATED OPTIONS

| | | |
|------------|---|-------|
| SF0DPLC-01 | Single mode Fiber Cable, Dual LC/Dual LC, OFNP Jacket, Yellow, 1.0m | 44.35 |
| SF0DPLC-02 | Single mode Fiber Cable, Dual LC/Dual LC, OFNP Jacket, Yellow, 2.0m | 42.48 |
| SF0DPLC-03 | Single mode Fiber Cable, Dual LC/Dual LC, OFNP Jacket, Yellow, 3.0m | 43.52 |

| | | |
|------------|---|-------|
| SF0DPSC-01 | Single mode Fiber Cable, Dual SC/Dual SC, OFNP Jacket, Yellow, 1.0m | 21.76 |
| SF0DPSC-02 | Single mode Fiber Cable, Dual SC/Dual SC, OFNP Jacket, Yellow, 2.0m | 22.85 |
| SF0DPSC-03 | Single mode Fiber Cable, Dual SC/Dual SC, OFNP Jacket, Yellow, 3.0m | 23.94 |

LOW SMOKE ZERO HALOGEN (LSZH) OPTIONS

| | | |
|------------|---|-------|
| SF0DZLC-01 | Single mode Fiber Cable, Dual LC/Dual LC, LSZH Jacket, Yellow, 1.0m | 43.52 |
| SF0DZLC-02 | Single mode Fiber Cable, Dual LC/Dual LC, LSZH Jacket, Yellow, 2.0m | 44.92 |
| SF0DZLC-03 | Single mode Fiber Cable, Dual LC/Dual LC, LSZH Jacket, Yellow, 3.0m | 46.32 |

| | | |
|------------|---|-------|
| SF0DZSC-01 | Single mode Fiber Cable, Dual SC/Dual SC, LSZH Jacket, Yellow, 1.0m | 19.43 |
| SF0DZSC-02 | Single mode Fiber Cable, Dual SC/Dual SC, LSZH Jacket, Yellow, 2.0m | 20.83 |
| SF0DZSC-03 | Single mode Fiber Cable, Dual SC/Dual SC, LSZH Jacket, Yellow, 3.0m | 22.17 |

9/125 Single mode MPO Fiber Ribbon and Fanout Cables

These multi-fiber MPO assemblies provide significant advantages in size by offering 12 times the density when compared to using separate SC connectors. Fan-out assemblies are ideal for making connections within rack or wall mounted fiber enclosures that utilize single fiber connectors and new Flex boot LC connectors are available for applications requiring a 90° bend or other situation with tight space constraints.

6 or 12 FIBER RIBBON CABLES - MPO to MPO

| | | |
|-------------|---|--------|
| MPMM6S-25 | Single mode 6 Fiber Ribbon, MPO Male/MPO Male, OFNR Jacket, Yellow, 25.0m | 207.76 |
| MPMM6S-50 | Single mode 6 Fiber Ribbon, MPO Male/MPO Male, OFNR Jacket, Yellow, 50.0m | 285.58 |
| MPMM6S-100 | Single mode 6 Fiber Ribbon, MPO Male/MPO Male, OFNR Jacket, Yellow, 100.0m | 441.68 |
| MPMM12S-25 | Single mode 12 Fiber Ribbon, MPO Male/MPO Male, OFNR Jacket, Yellow, 25.0m | 221.90 |
| MPMM12S-50 | Single mode 12 Fiber Ribbon, MPO Male/MPO Male, OFNR Jacket, Yellow, 50.0m | 314.38 |
| MPMM12S-100 | Single mode 12 Fiber Ribbon, MPO Male/MPO Male, OFNR Jacket, Yellow, 100.0m | 498.26 |

| | | |
|-------------|---|--------|
| MPFF6S-25 | Single mode 6 Fiber Ribbon, MPO Female/MPO Female, OFNR Jacket, Yellow, 25.0m | 202.89 |
| MPFF6S-50 | Single mode 6 Fiber Ribbon, MPO Female/MPO Female, OFNR Jacket, Yellow, 50.0m | 280.65 |
| MPFF6S-100 | Single mode 6 Fiber Ribbon, MPO Female/MPO Female, OFNR Jacket, Yellow, 100.0m | 436.81 |
| MPFF12S-25 | Single mode 12 Fiber Ribbon, MPO Female/MPO Female, OFNR Jacket, Yellow, 25.0m | 217.03 |
| MPFF12S-50 | Single mode 12 Fiber Ribbon, MPO Female/MPO Female, OFNR Jacket, Yellow, 50.0m | 308.94 |
| MPFF12S-100 | Single mode 12 Fiber Ribbon, MPO Female/MPO Female, OFNR Jacket, Yellow, 100.0m | 493.39 |

6 or 12 FIBER FANOUT CABLES - MPO to LC or SC FANOUT

| | | |
|-------------|---|--------|
| MPM6S-LC-1 | Single mode 6 Fiber Ribbon, MPO Male/6x LC Fanout, OFNR Jacket, Yellow, 1.0m | 110.93 |
| MPM6S-LC-5 | Single mode 6 Fiber Ribbon, MPO Male/6x LC Fanout, OFNR Jacket, Yellow, 5.0m | 124.55 |
| MPM6S-LC-10 | Single mode 6 Fiber Ribbon, MPO Male/6x LC Fanout, OFNR Jacket, Yellow, 10.0m | 141.39 |

| | | |
|--------------|---|--------|
| MPM12S-LC-1 | Single mode 12 Fiber Ribbon, MPO Male/12x LC Fanout, OFNR Jacket, Yellow, 1.0m | 148.49 |
| MPM12S-LC-5 | Single mode 12 Fiber Ribbon, MPO Male/12x LC Fanout, OFNR Jacket, Yellow, 5.0m | 164.24 |
| MPM12S-LC-10 | Single mode 12 Fiber Ribbon, MPO Male/12x LC Fanout, OFNR Jacket, Yellow, 10.0m | 184.39 |

| | | |
|-------------|---|--------|
| MPM6S-SC-1 | Single mode 6 Fiber Ribbon, MPO Male/6x SC Fanout, OFNR Jacket, Yellow, 1.0m | 102.22 |
| MPM6S-SC-5 | Single mode 6 Fiber Ribbon, MPO Male/6x SC Fanout, OFNR Jacket, Yellow, 5.0m | 115.28 |
| MPM6S-SC-10 | Single mode 6 Fiber Ribbon, MPO Male/6x SC Fanout, OFNR Jacket, Yellow, 10.0m | 132.69 |

| | | |
|--------------|---|--------|
| MPM12S-SC-1 | Single mode 12 Fiber Ribbon, MPO Male/12x SC Fanout, OFNR Jacket, Yellow, 1.0m | 130.51 |
| MPM12S-SC-5 | Single mode 12 Fiber Ribbon, MPO Male/12x SC Fanout, OFNR Jacket, Yellow, 5.0m | 146.83 |
| MPM12S-SC-10 | Single mode 12 Fiber Ribbon, MPO Male/12x SC Fanout, OFNR Jacket, Yellow, 10.0m | 166.41 |

6 or 12 FIBER FANOUT CABLES - MPO to LC FLEX BOOT FANOUT

| | | |
|--------------|--|--------|
| MPM6S-FLC-1 | Single mode 6 Fiber Ribbon, MPO Male/6x Flex LC Fanout, OFNR Jacket, Yellow, 1.0m | 124.24 |
| MPM6S-FLC-5 | Single mode 6 Fiber Ribbon, MPO Male/6x Flex LC Fanout, OFNR Jacket, Yellow, 5.0m | 139.52 |
| MPM6S-FLC-10 | Single mode 6 Fiber Ribbon, MPO Male/6x Flex LC Fanout, OFNR Jacket, Yellow, 10.0m | 159.42 |

| | | |
|---------------|--|--------|
| MPM12S-FLC-1 | Single mode 12 Fiber Ribbon, MPO Male/12x Flex LC Fanout, OFNR Jacket, Yellow, 1.0m | 166.31 |
| MPM12S-FLC-5 | Single mode 12 Fiber Ribbon, MPO Male/12x Flex LC Fanout, OFNR Jacket, Yellow, 5.0m | 183.98 |
| MPM12S-FLC-10 | Single mode 12 Fiber Ribbon, MPO Male/12x Flex LC Fanout, OFNR Jacket, Yellow, 10.0m | 206.51 |

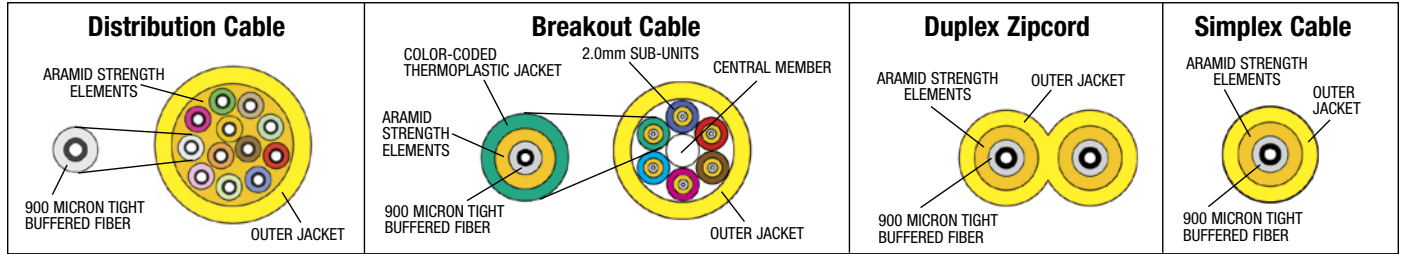
9/125 Single mode LC Loopback

L-com's Single mode LC loopback cable is handy for a number of test applications. A generous yet manageable fiber loop virtually eliminates bend loss.

| | | |
|---------|--|-------|
| SFOL-LC | Single mode Fiber Loopback, Clipped LC | 21.24 |
|---------|--|-------|

Bulk Fiber Optic Cabling - Sold by the Meter (1m = 3.28ft)

L-com offers the most popular types of Simplex, Duplex, Breakout and Distribution style cables. All are available from stock in 1 meter intervals with a 25 meter minimum unless otherwise noted. Other cabling types are available by request. Jacket color of bulk cable may vary. Contact L-com today for custom termination of bulk cable. **NOTE:** Bulk cable custom lengths are non-returnable.

*How do fiber optics work?***Online Video**L-com.com/videos/A15

| Item # | Description | Color | 1-9 |
|--|--|--------|-------|
| 9/125 Single mode Bulk Fiber Cable | | | |
| DISTRIBUTION STYLE WITH 900µm SUB UNITS | | | |
| FOBSNGD6-M | Single mode 6 Count Indoor/Outdoor OFNP Bulk Fiber Distribution Cable | Yellow | 2.69 |
| FOBSNGD12-M | Single mode 12 Count Indoor/Outdoor OFNP Bulk Fiber Distribution Cable | Yellow | 7.46 |
| FOBSNGD24-M | Single mode 24 Count Indoor/Outdoor OFNP Bulk Fiber Distribution Cable | Yellow | 12.02 |
| BREAKOUT STYLE WITH 2mm SUB UNITS | | | |
| FOBOS1B2-M | Single mode 2 Count Indoor/Outdoor OFNP Bulk Fiber Breakout Cable | Yellow | 5.28 |
| FOBOS1B4-M | Single mode 4 Count Indoor/Outdoor OFNP Bulk Fiber Breakout Cable | Yellow | 5.96 |
| FOBOS1B6-M | Single mode 6 Count Indoor/Outdoor OFNP Bulk Fiber Breakout Cable | Yellow | 8.19 |
| FOBOS1B12-M | Single mode 12 Count Indoor/Outdoor OFNP Bulk Fiber Breakout Cable | Yellow | 13.16 |
| PATCH STYLE SIMPLEX OR DUPLEX (ZIPCORD) WITH 2mm CABLE OD | | | |
| FOBOS1S-M | Single mode Simplex Indoor OFNR Bulk Fiber Cable | Yellow | 1.19 |
| FOBOS1Z-M | Single mode Duplex (Zipcord) Indoor OFNR Bulk Fiber Cable | Yellow | 1.87 |

Fiber Optic Single mode Couplers/Adapters

Multimode Options on pages 211, 214-215

Need to join two single mode cables with the same connector types? Use these fiber optic couplers which utilize precise ceramic sleeves best suited to single mode applications.

| Item # | Description | Body | Sleeve | 1-9 |
|---|--|---------|---------|-------|
| LC, SC and ST STYLES (see L-com.com for additional styles and options) | | | | |
| FOA-500A | Simplex LC / LC Coupler Low Profile | Plastic | Ceramic | 10.62 |
| FOA-550A | Duplex LC / LC Coupler Low Profile | Plastic | Ceramic | 14.71 |
| FOA-801 | Duplex LC / LC Coupler with Mounting Flange | Plastic | Ceramic | 13.83 |
| FOA-570 | Quad LC / LC Coupler with Mounting Flange | Plastic | Ceramic | 21.29 |
| FOA-002A | Simplex SC / SC Coupler with Mounting Flange | Plastic | Ceramic | 5.91 |
| FOA-002MA | Simplex SC / SC Coupler with Mounting Flange | Metal | Ceramic | 8.34 |
| FOA-005A | Duplex SC / SC Coupler with Mounting Flange | Plastic | Ceramic | 8.55 |
| FOA-005MA | Duplex SC / SC Coupler with Mounting Flange | Metal | Ceramic | 10.88 |
| FOA-001A | Simplex ST / ST Coupler with D Hole Mount | Metal | Ceramic | 5.34 |
| FOA-011A | Simplex ST / ST Coupler with Mounting Flange | Metal | Ceramic | 5.34 |
| FOA-401A | Duplex ST / ST Coupler with Mounting Flange | Metal | Ceramic | 10.67 |

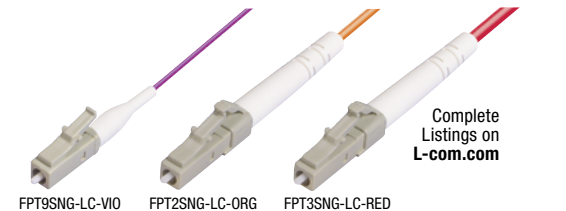
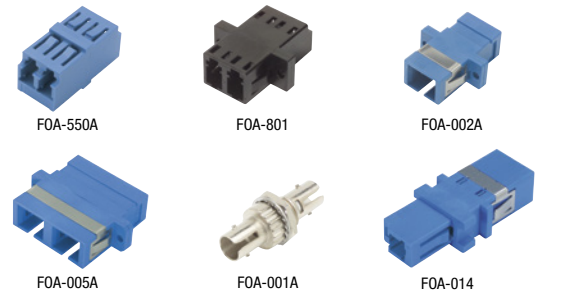
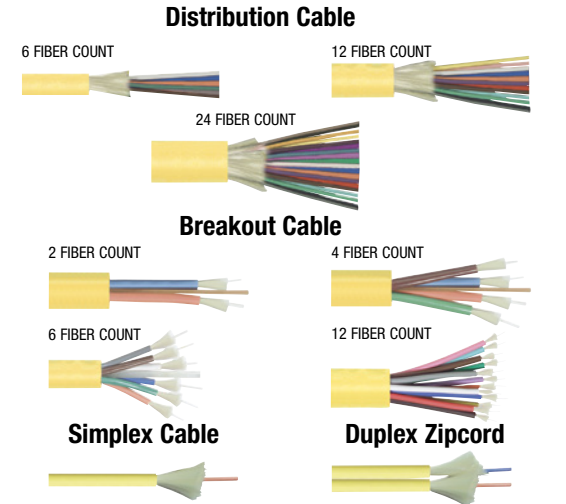
Need to change from one type of single mode connector to another? Use these fiber optic adapters.

| | | | | |
|---|--|---------|---------|-------|
| LC, SC and ST STYLES (see L-com.com for additional styles and options) | | | | |
| FOA-014 | Simplex LC / SC Adapter Low Profile | Plastic | Ceramic | 47.87 |
| FOA-020C | Simplex LC / SC Adapter with Mounting Flange | Plastic | Ceramic | 33.16 |
| FOA-006 | Duplex SC / ST Adapter with Mounting Flange | Plastic | Ceramic | 11.24 |
| FOA-006MA | Duplex ST / SC Adapter with Mounting Flange | Metal | Ceramic | 15.49 |
| FOA-211A | Simplex SC / ST Adapter with Rectangular Mount | Metal | Ceramic | 10.36 |

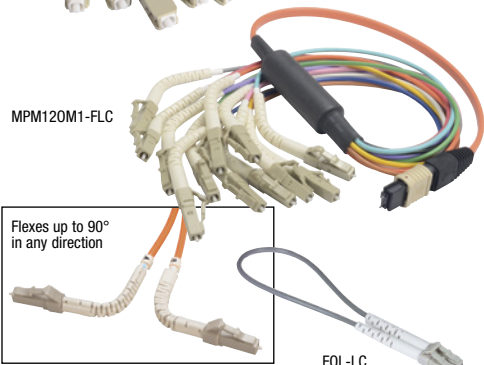
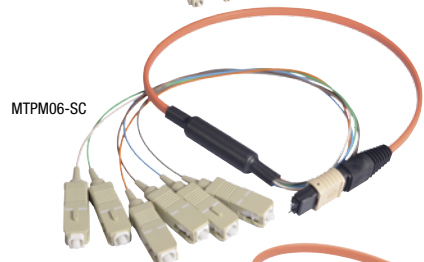
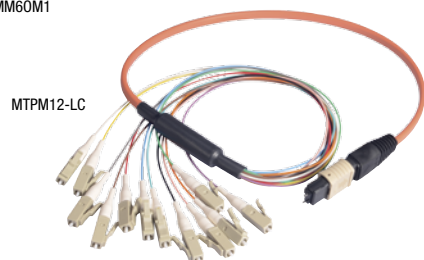
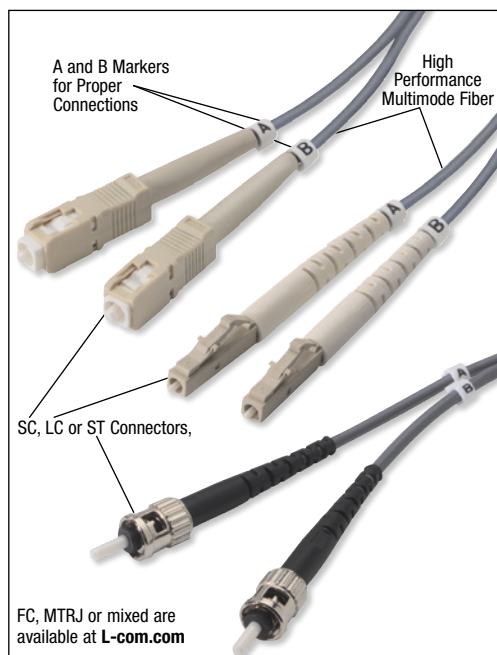
9/125 Single mode Fiber Optic Pigtails - 900µm, 2mm or 3mm OFNR Jackets

L-com's fiber optic pigtails provide a fast way to make factory terminations in the field. They can easily be fusion or mechanically spliced to an existing fiber line. All connectors utilize PC polish and all jackets are Riser (OFNR) rated. See L-com.com for complete listings including additional connectors, modes and 900µm 12 packs which contain one cable of every standard fiber color (such as FPT9SNG-LC-12PK) so you don't have to purchase the different colors individually.

| Item # | Description | 1-9 |
|--|---|------|
| PIGTAIL CABLES - 900µm | | |
| FPT9SNG-LC-_-1 | Single mode Fiber Optic Pigtail, OFNR Jacket, 900µm, 1.0m | 4.61 |
| FPT9SNG-LC-_-2 | Single mode Fiber Optic Pigtail, OFNR Jacket, 900µm, 2.0m | 4.97 |
| FPT9SNG-LC-_-3 | Single mode Fiber Optic Pigtail, OFNR Jacket, 900µm, 3.0m | 5.34 |
| PIGTAIL CABLES - 2mm (Only available in: BLU, BRN, GRN, ORG, RED, WHT or YLW) | | |
| FPT2SNG-LC-_-1 | Single mode Fiber Optic Pigtail, OFNR Jacket, 2mm, 1.0m | 4.61 |
| FPT2SNG-LC-_-2 | Single mode Fiber Optic Pigtail, OFNR Jacket, 2mm, 2.0m | 4.97 |
| FPT2SNG-LC-_-3 | Single mode Fiber Optic Pigtail, OFNR Jacket, 2mm, 3.0m | 5.34 |
| PIGTAIL CABLES - 3mm (Only available in: BLU, GRN, ORG, RED or YLW) | | |
| FPT3SNG-LC-_-1 | Single mode Fiber Optic Pigtail, OFNR Jacket, 3mm, 1.0m | 4.61 |
| FPT3SNG-LC-_-2 | Single mode Fiber Optic Pigtail, OFNR Jacket, 3mm, 2.0m | 4.97 |
| FPT3SNG-LC-_-3 | Single mode Fiber Optic Pigtail, OFNR Jacket, 3mm, 3.0m | 5.34 |



| Explanation of FPT Series Part Numbers | | | |
|--|--|----------------------------|--|
| FPT9SNG- - -1 | | | |
| Series | Mode | Length | Cable Color |
| LC | 9-125 | 1=1.0m 2=2.0m 3=3.0m | BLK GRY YLW ORG BLU GRN RED VIO BRN AQU ROS WHT |
| ST | OM1=62.5/125 OM2=50/125 OM3=50/125 10G | | |
| FC | | | |
| SC | | | |
| Complete Listings on L-com.com | | | |



FOL-LC

OM1 62.5/125 Multimode Duplex Patch Cords

L-com's OM1 62.5/125 fiber optic cables are 100% optically tested and utilize a PC polish. Check L-com.com for additional lengths, colors and connector options. All cable measurements are in meters. 1m=3.28ft. See L-com's Custom Cable Configurator to make your own length variations of existing cables in any whole foot or meter increment.

| Item # | Description | 1-9 |
|--------|-------------|-----|
|--------|-------------|-----|

OM1 62.5/125 Multimode Fiber Patch Cords

PVC RISER (OFNR) RATED OPTIONS

| | | |
|----------|---|-------|
| FODLC-01 | OM1 Fiber Cable, Dual LC/Dual LC, OFNR Jacket, Gray, 1.0m | 18.34 |
| FODLC-02 | OM1 Fiber Cable, Dual LC/Dual LC, OFNR Jacket, Gray, 2.0m | 20.61 |
| FODLC-03 | OM1 Fiber Cable, Dual LC/Dual LC, OFNR Jacket, Gray, 3.0m | 22.68 |
| FODSC-01 | OM1 Fiber Cable, Dual SC/Dual SC, OFNR Jacket, Gray, 1.0m | 17.25 |
| FODSC-02 | OM1 Fiber Cable, Dual SC/Dual SC, OFNR Jacket, Gray, 2.0m | 19.17 |
| FODSC-03 | OM1 Fiber Cable, Dual SC/Dual SC, OFNR Jacket, Gray, 3.0m | 19.95 |

| | | |
|-----------|---|-------|
| FODSTC-01 | OM1 Fiber Cable, Dual ST/Dual ST, OFNR Jacket, Gray, 1.0m | 17.25 |
| FODSTC-02 | OM1 Fiber Cable, Dual ST/Dual ST, OFNR Jacket, Gray, 2.0m | 18.60 |
| FODSTC-03 | OM1 Fiber Cable, Dual ST/Dual ST, OFNR Jacket, Gray, 3.0m | 19.95 |

| | | |
|-------------|---|-------|
| FODSC-LC-01 | OM1 Fiber Cable, Dual SC/Dual LC, OFNR Jacket, Gray, 1.0m | 23.99 |
| FODSC-LC-02 | OM1 Fiber Cable, Dual SC/Dual LC, OFNR Jacket, Gray, 2.0m | 25.34 |
| FODSC-LC-03 | OM1 Fiber Cable, Dual SC/Dual LC, OFNR Jacket, Gray, 3.0m | 26.68 |

| | | |
|-------------|---|-------|
| FODST-LC-01 | OM1 Fiber Cable, Dual ST/Dual LC, OFNR Jacket, Gray, 1.0m | 26.16 |
| FODST-LC-02 | OM1 Fiber Cable, Dual ST/Dual LC, OFNR Jacket, Gray, 2.0m | 27.51 |
| FODST-LC-03 | OM1 Fiber Cable, Dual ST/Dual LC, OFNR Jacket, Gray, 3.0m | 28.86 |

PLENUM (OFNP) RATED OPTIONS

| | | |
|-----------|---|-------|
| FODPLC-01 | OM1 Fiber Cable, Dual LC/Dual LC, OFNP Jacket, Gray, 1.0m | 30.98 |
| FODPLC-02 | OM1 Fiber Cable, Dual LC/Dual LC, OFNP Jacket, Gray, 2.0m | 32.02 |
| FODPLC-03 | OM1 Fiber Cable, Dual LC/Dual LC, OFNP Jacket, Gray, 3.0m | 33.11 |

| | | |
|-----------|---|-------|
| FODPSC-01 | OM1 Fiber Cable, Dual SC/Dual SC, OFNP Jacket, Gray, 1.0m | 19.58 |
| FODPSC-02 | OM1 Fiber Cable, Dual SC/Dual SC, OFNP Jacket, Gray, 2.0m | 20.67 |
| FODPSC-03 | OM1 Fiber Cable, Dual SC/Dual SC, OFNP Jacket, Gray, 3.0m | 21.76 |

LOW SMOKE ZERO HALOGEN (LSZH) OPTIONS

| | | |
|-----------|---|-------|
| FODZLC-01 | OM1 Fiber Cable, Dual LC/Dual LC, LSZH Jacket, Gray, 1.0m | 38.96 |
| FODZLC-02 | OM1 Fiber Cable, Dual LC/Dual LC, LSZH Jacket, Gray, 2.0m | 40.57 |
| FODZLC-03 | OM1 Fiber Cable, Dual LC/Dual LC, LSZH Jacket, Gray, 3.0m | 42.17 |

| | | |
|-----------|---|-------|
| FODZSC-01 | OM1 Fiber Cable, Dual SC/Dual SC, LSZH Jacket, Gray, 1.0m | 16.06 |
| FODZSC-02 | OM1 Fiber Cable, Dual SC/Dual SC, LSZH Jacket, Gray, 2.0m | 17.72 |
| FODZSC-03 | OM1 Fiber Cable, Dual SC/Dual SC, LSZH Jacket, Gray, 3.0m | 19.33 |

OM1 62.5/125 Multimode MPO Fiber Ribbon and Fanout Cables

These multi-fiber MPO assemblies provide significant advantages in size by offering 12 times the density when compared to using separate SC connectors. Fan-out assemblies are ideal for making connections within rack or wall mounted fiber enclosures that utilize single fiber connectors and new Flex boot LC connectors are available for applications requiring a 90° bend or other situations with tight space constraints.

6 or 12 FIBER RIBBON CABLES - MPO to MPO

| | | |
|--------------|--|--------|
| MPMM60M1-25 | OM1 6 Fiber Ribbon Cable, MPO Male/MPO Male, OFNR Jacket, Orange, 25.0m | 178.23 |
| MPMM60M1-50 | OM1 6 Fiber Ribbon Cable, MPO Male/MPO Male, OFNR Jacket, Orange, 50.0m | 285.99 |
| MPMM60M1-100 | OM1 6 Fiber Ribbon Cable, MPO Male/MPO Male, OFNR Jacket, Orange, 100.0m | 501.57 |

| | | |
|---------------|---|--------|
| MPMM120M1-25 | OM1 12 Fiber Ribbon Cable, MPO Male/MPO Male, OFNR Jacket, Orange, 25.0m | 203.98 |
| MPMM120M1-50 | OM1 12 Fiber Ribbon Cable, MPO Male/MPO Male, OFNR Jacket, Orange, 50.0m | 324.18 |
| MPMM120M1-100 | OM1 12 Fiber Ribbon Cable, MPO Male/MPO Male, OFNR Jacket, Orange, 100.0m | 565.20 |

| | | |
|------------|--|--------|
| MTPF06-25 | OM1 6 Fiber Ribbon Cable, MPO Female/MPO Female, OFNR Jacket, Orange, 25.0m | 176.05 |
| MTPF06-50 | OM1 6 Fiber Ribbon Cable, MPO Female/MPO Female, OFNR Jacket, Orange, 50.0m | 282.26 |
| MTPF06-100 | OM1 6 Fiber Ribbon Cable, MPO Female/MPO Female, OFNR Jacket, Orange, 100.0m | 502.66 |

| | | |
|------------|---|--------|
| MTPF12-25 | OM1 12 Fiber Ribbon Cable, MPO Female/MPO Female, OFNR Jacket, Orange, 25.0m | 196.36 |
| MTPF12-50 | OM1 12 Fiber Ribbon Cable, MPO Female/MPO Female, OFNR Jacket, Orange, 50.0m | 317.49 |
| MTPF12-100 | OM1 12 Fiber Ribbon Cable, MPO Female/MPO Female, OFNR Jacket, Orange, 100.0m | 556.02 |

6 or 12 FIBER FANOUT CABLES - MPO to LC or SC FANOUT

| | | |
|--------------|---|--------|
| MTPM06-LC-01 | OM1 6 Fiber Ribbon Cable, MPO Male/6x LC Fanout, OFNR Jacket, Orange, 1.0m | 78.39 |
| MTPM06-LC-05 | OM1 6 Fiber Ribbon Cable, MPO Male/6x LC Fanout, OFNR Jacket, Orange, 5.0m | 96.00 |
| MTPM06-LC-10 | OM1 6 Fiber Ribbon Cable, MPO Male/6x LC Fanout, OFNR Jacket, Orange, 10.0m | 120.56 |

| | | |
|--------------|---|--------|
| MTPM12-LC-01 | OM1 12 Fiber Ribbon Cable, MPO Male/12x LC Fanout, OFNR Jacket, Orange, 1.0m | 118.44 |
| MTPM12-LC-05 | OM1 12 Fiber Ribbon Cable, MPO Male/12x LC Fanout, OFNR Jacket, Orange, 5.0m | 138.70 |
| MTPM12-LC-10 | OM1 12 Fiber Ribbon Cable, MPO Male/12x LC Fanout, OFNR Jacket, Orange, 10.0m | 166.47 |

| | | |
|--------------|---|--------|
| MTPM06-SC-01 | OM1 6 Fiber Ribbon Cable, MPO Male/6x SC Fanout, OFNR Jacket, Orange, 1.0m | 68.80 |
| MTPM06-SC-05 | OM1 6 Fiber Ribbon Cable, MPO Male/6x SC Fanout, OFNR Jacket, Orange, 5.0m | 88.54 |
| MTPM06-SC-10 | OM1 6 Fiber Ribbon Cable, MPO Male/6x SC Fanout, OFNR Jacket, Orange, 10.0m | 120.56 |

| | | |
|--------------|---|--------|
| MTPM12-SC-01 | OM1 12 Fiber Ribbon Cable, MPO Male/12x SC Fanout, OFNR Jacket, Orange, 1.0m | 100.82 |
| MTPM12-SC-05 | OM1 12 Fiber Ribbon Cable, MPO Male/12x SC Fanout, OFNR Jacket, Orange, 5.0m | 122.69 |
| MTPM12-SC-10 | OM1 12 Fiber Ribbon Cable, MPO Male/12x SC Fanout, OFNR Jacket, Orange, 10.0m | 150.46 |

6 or 12 FIBER FANOUT CABLES - MPO to LC FLEX BOOT FANOUT

| | | |
|----------------|--|--------|
| MPM60M1-FLC-1 | OM1 6 Fiber Ribbon Cable, MPO Male/6x Flex LC Fanout, OFNR Jacket, Orange, 1.0m | 87.82 |
| MPM60M1-FLC-5 | OM1 6 Fiber Ribbon Cable, MPO Male/6x Flex LC Fanout, OFNR Jacket, Orange, 5.0m | 107.56 |
| MPM60M1-FLC-10 | OM1 6 Fiber Ribbon Cable, MPO Male/6x Flex LC Fanout, OFNR Jacket, Orange, 10.0m | 135.07 |

| | | |
|-----------------|--|--------|
| MPM120M1-FLC-1 | OM1 12 Fiber Ribbon Cable, MPO Male/12x Flex LC Fanout, OFNR Jacket, Orange, 1.0m | 132.69 |
| MPM120M1-FLC-5 | OM1 12 Fiber Ribbon Cable, MPO Male/12x Flex LC Fanout, OFNR Jacket, Orange, 5.0m | 155.38 |
| MPM120M1-FLC-10 | OM1 12 Fiber Ribbon Cable, MPO Male/12x Flex LC Fanout, OFNR Jacket, Orange, 10.0m | 186.46 |

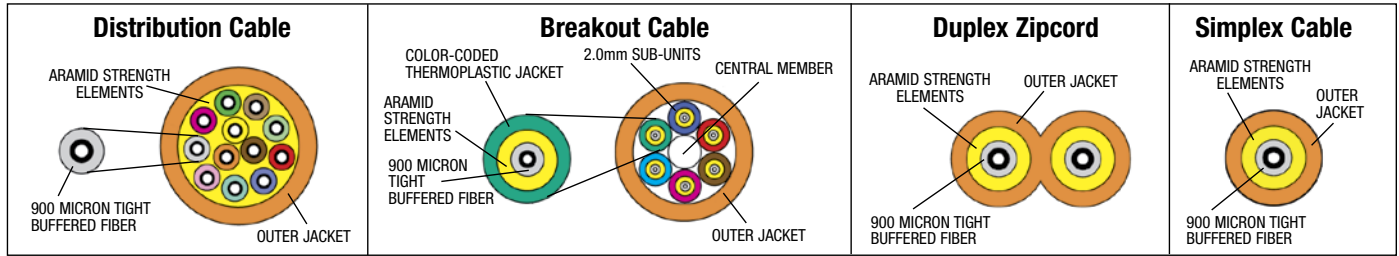
OM1 62.5/125 Multimode LC Loopback

L-com's OM1 LC loopback cable is handy for a number of test applications. A generous yet manageable fiber loop virtually eliminates bend loss.

| | | |
|--------|--------------------------------|-------|
| FOL-LC | OM1 Fiber Loopback, Clipped LC | 16.27 |
|--------|--------------------------------|-------|

Bulk Fiber Optic Cabling - Sold by the Meter (1m = 3.28ft)

L-com offers the most popular types of Simplex, Duplex, Breakout and Distribution style cables. All are available from stock in 1 meter intervals with a 25 meter minimum unless otherwise noted. Other cabling types are available by request. Jacket color of bulk cable may vary. Contact L-com today for custom termination of bulk cable. **NOTE:** Bulk cable custom lengths are non-returnable.

*What do the numbers mean?***Online Video**L-com.com/videos/A15

| Item # | Description | Color | 1-9 |
|--------|-------------|-------|-----|
|--------|-------------|-------|-----|

OM1 62.5/125 Multimode Bulk Fiber Cable**DISTRIBUTION STYLE WITH 900µm SUB UNITS**

| | | | |
|-------------|--|--------|-------|
| FOB625D6-M | OM1 6 Count Indoor/Outdoor OFNP Bulk Fiber Distribution Cable | Orange | 4.25 |
| FOB625D12-M | OM1 12 Count Indoor/Outdoor OFNP Bulk Fiber Distribution Cable | Orange | 6.42 |
| FOB625D24-M | OM1 24 Count Indoor/Outdoor OFNP Bulk Fiber Distribution Cable | Orange | 18.03 |

BREAKOUT STYLE WITH 2mm SUB UNITS

| | | | |
|-------------|--|--------|-------|
| FOBOM1B2-M | OM1 2 Count Indoor/Outdoor OFNP Bulk Fiber Breakout Cable | Orange | 5.70 |
| FOBOM1B4-M | OM1 4 Count Indoor/Outdoor OFNP Bulk Fiber Breakout Cable | Orange | 6.74 |
| FOBOM1B6-M | OM1 6 Count Indoor/Outdoor OFNP Bulk Fiber Breakout Cable | Orange | 9.43 |
| FOBOM1B12-M | OM1 12 Count Indoor/Outdoor OFNP Bulk Fiber Breakout Cable | Orange | 16.58 |

PATCH STYLE SIMPLEX OR DUPLEX (ZIPCORD) WITH 2mm CABLE OD

| | | | |
|-----------|---|--------|------|
| FOBOM1S-M | OM1 Simplex Indoor OFNR Bulk Fiber Cable | Orange | 1.40 |
| FOBOM1Z-M | OM1 Duplex (Zipcord) Indoor OFNR Bulk Fiber Cable | Orange | 2.02 |

Fiber Optic Multimode Couplers/Adapters**Single mode Options Located on pages 208, 209, 218**

Need to join two multimode cables with the same connector types? Use these fiber optic couplers which utilize durable bronze sleeves best suited for multimode applications.

| Item # | Description | Body | Sleeve | 1-9 |
|--------|-------------|------|--------|-----|
|--------|-------------|------|--------|-----|

LC, MPO, SC and ST STYLES (see L-com.com for additional styles and options)

| | | | | |
|----------|---|---------|--------|-------|
| FOA-802 | Duplex LC Coupler with Mounting Flange | Plastic | Bronze | 6.37 |
| FOA-803 | Duplex LC Coupler, Low Profile | Plastic | Bronze | 4.25 |
| FOA-560 | Quad LC Coupler with Mounting Flange | Plastic | Bronze | 17.05 |
| FOA-MPO | MPO Coupler | Plastic | N/A | 20.62 |
| FOA-MPOF | MPO Coupler with Mounting Flange | Plastic | N/A | 20.62 |
| FOA-002 | Simplex SC Coupler with Mounting Flange | Plastic | Bronze | 4.30 |
| FOA-002M | Simplex SC Coupler with Mounting Flange | Metal | Bronze | 5.54 |
| FOA-005 | Duplex SC Coupler with Mounting Flange | Plastic | Bronze | 5.91 |
| FOA-005M | Duplex SC Coupler with Mounting Flange | Metal | Bronze | 8.70 |
| FOA-001 | Simplex ST Coupler with D-Hole Mount | Metal | Bronze | 3.21 |
| FOA-011 | Simplex ST Coupler with Rectangular Mount | Metal | Bronze | 3.21 |
| FOA-401 | Duplex ST Coupler with Mounting Flange | Metal | Bronze | 5.34 |

Need to change from one type of multimode connector to another? Use these fiber optic adapters.

LC, SC and ST STYLES (see L-com.com for additional styles and options)

| | | | | |
|----------|--|---------|--------|-------|
| FOA-020C | Simplex LC/SC Adapter with Mounting Flange | Plastic | Bronze | 33.16 |
| FOA-211 | Simplex ST/SC Adapter with Rectangular Mount | Metal | Bronze | 5.44 |
| FOA-201 | Simplex ST/SC Adapter with Square Mount | Metal | Bronze | 9.06 |
| FOA-006M | Duplex ST/SC Adapter with Mounting Flange | Metal | Bronze | 11.24 |

OM1 62.5/125 Multimode Pigtailed - 900µm, 2mm or 3mm OFNR Jackets

L-com's fiber optic pigtailed provide a fast way to make factory terminations in the field. They can easily be fusion or mechanically spliced to an existing fiber line. All connectors utilize PC polish and all jackets are Riser (OFNR) rated. See L-com.com for complete listings including additional connectors, modes and 900µm 12 packs which contain one cable of every standard fiber color (such as FPT90M1-LC-12PK) so you don't have to purchase the different colors individually.

| Item # | Description | 1-9 |
|--------|-------------|-----|
|--------|-------------|-----|

PIGTAIL CABLES - 900µm

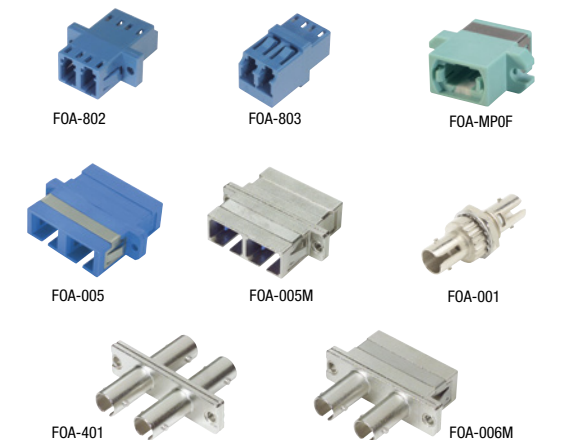
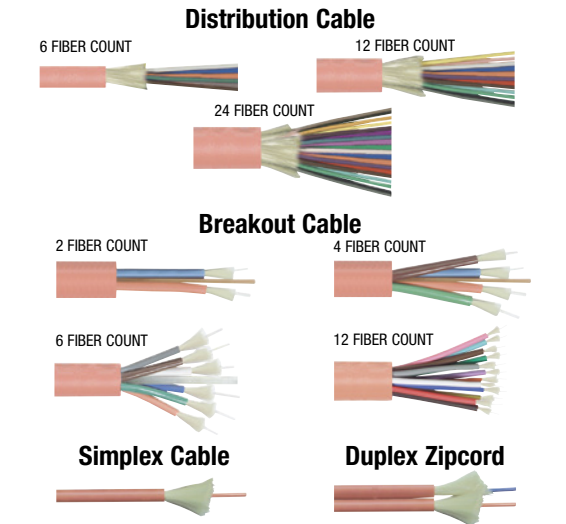
| | | |
|-----------------|---|------|
| FPT90M1-LC-__-1 | OM1 Fiber Optic Pigtail, OFNR Jacket, 900µm, 1.0m | 4.40 |
| FPT90M1-LC-__-2 | OM1 Fiber Optic Pigtail, OFNR Jacket, 900µm, 2.0m | 4.87 |
| FPT90M1-LC-__-3 | OM1 Fiber Optic Pigtail, OFNR Jacket, 900µm, 3.0m | 5.28 |

PIGTAIL CABLES - 2mm (Only available in ORG)

| | | |
|------------------|---|------|
| FPT20M1-LC-ORG-1 | OM1 Fiber Optic Pigtail, OFNR Jacket, 2mm, 1.0m | 4.46 |
| FPT20M1-LC-ORG-2 | OM1 Fiber Optic Pigtail, OFNR Jacket, 2mm, 2.0m | 4.97 |
| FPT20M1-LC-ORG-3 | OM1 Fiber Optic Pigtail, OFNR Jacket, 2mm, 3.0m | 5.49 |

PIGTAIL CABLES - 3mm (Only available in: BLU, GRN, ORG, RED or YLW)

| | | |
|-----------------|---|------|
| FPT30M1-LC-__-1 | OM1 Fiber Optic Pigtail, OFNR Jacket, 3mm, 1.0m | 4.46 |
| FPT30M1-LC-__-2 | OM1 Fiber Optic Pigtail, OFNR Jacket, 3mm, 2.0m | 4.97 |
| FPT30M1-LC-__-3 | OM1 Fiber Optic Pigtail, OFNR Jacket, 3mm, 3.0m | 5.49 |

**Explanation of FPT Series Part Numbers**

FPT90M1- - -1

Series: Cable Size 9=900µm, 2=2mm, 3=3mm

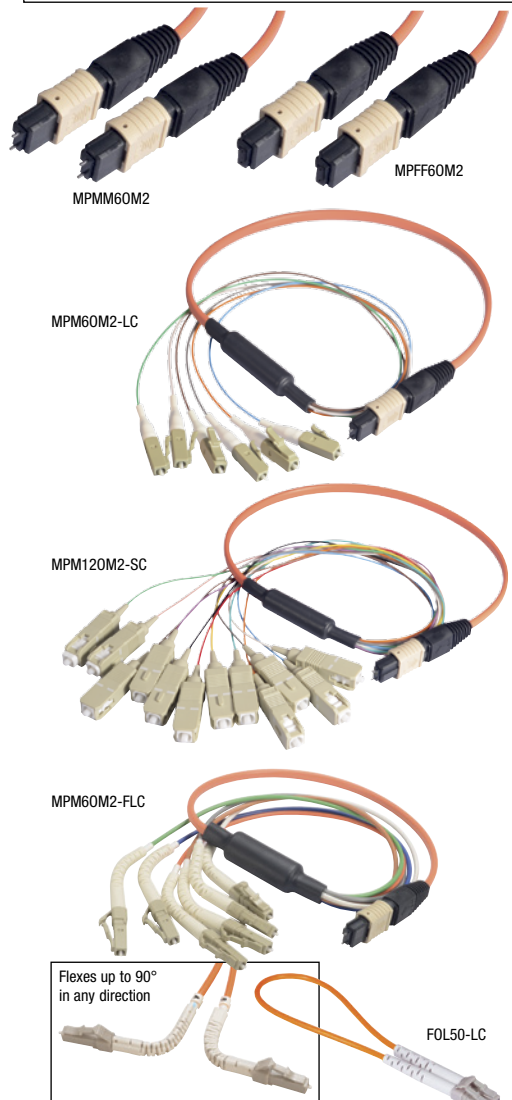
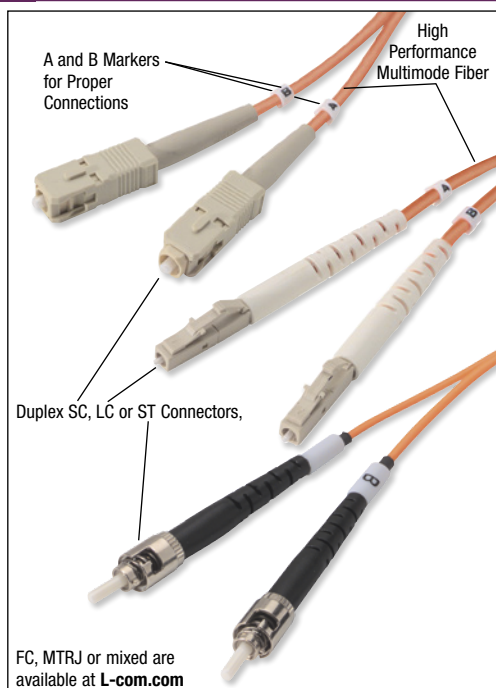
Mode: SNG=9/125, OM1=62.5/125, OM2=50/125, OM3=50/125 10G

Length: 1=1.0m, 2=2.0m, 3=3.0m

Cable Color: BLK, GRY, YLW, ORG, BLU, GRN, RED, VIO, BRN, AQU, ROS, WHT

Connector Style: LC, ST, FC, SC

Complete Listings on L-com.com



OM2 50/125 Multimode Duplex Patch Cords

L-com's OM2 50/125 fiber optic cables are 100% optically tested and utilize a PC polish. Check L-com.com for additional length, color and connector options. All cable measurements are in meters. 1m=3.28ft. See L-com's Custom Cable Configurator to make your own length variations of existing cables in any whole foot or meter increment.

| Item # | Description | 1-9 |
|--------|-------------|-----|
|--------|-------------|-----|

OM2 50/125 Multimode Duplex Fiber Patch Cords

PVC RISER (OFNR) RATED OPTIONS

| | | |
|------------|---|-------|
| FODLC50-01 | OM2 Fiber Cable, Dual LC/Dual LC, OFNR Jacket, Orange, 1.0m | 18.43 |
| FODLC50-02 | OM2 Fiber Cable, Dual LC/Dual LC, OFNR Jacket, Orange, 2.0m | 20.61 |
| FODLC50-03 | OM2 Fiber Cable, Dual LC/Dual LC, OFNR Jacket, Orange, 3.0m | 22.68 |

| | | |
|------------|---|-------|
| FODSC50-01 | OM2 Fiber Cable, Dual SC/Dual SC, OFNR Jacket, Orange, 1.0m | 17.25 |
| FODSC50-02 | OM2 Fiber Cable, Dual SC/Dual SC, OFNR Jacket, Orange, 2.0m | 18.60 |
| FODSC50-03 | OM2 Fiber Cable, Dual SC/Dual SC, OFNR Jacket, Orange, 3.0m | 19.95 |

| | | |
|-------------|---|-------|
| FODSTC50-01 | OM2 Fiber Cable, Dual ST/Dual ST, OFNR Jacket, Orange, 1.0m | 17.25 |
| FODSTC50-02 | OM2 Fiber Cable, Dual ST/Dual ST, OFNR Jacket, Orange, 2.0m | 18.60 |
| FODSTC50-03 | OM2 Fiber Cable, Dual ST/Dual ST, OFNR Jacket, Orange, 3.0m | 19.95 |

| | | |
|---------------|---|-------|
| FODSC50-LC-01 | OM2 Fiber Cable, Dual SC/Dual LC, OFNR Jacket, Orange, 1.0m | 26.16 |
| FODSC50-LC-02 | OM2 Fiber Cable, Dual SC/Dual LC, OFNR Jacket, Orange, 2.0m | 27.51 |
| FODSC50-LC-03 | OM2 Fiber Cable, Dual SC/Dual LC, OFNR Jacket, Orange, 3.0m | 28.86 |

| | | |
|---------------|---|-------|
| FODST50-LC-01 | OM2 Fiber Cable, Dual ST/Dual LC, OFNR Jacket, Orange, 1.0m | 28.29 |
| FODST50-LC-02 | OM2 Fiber Cable, Dual ST/Dual LC, OFNR Jacket, Orange, 2.0m | 29.64 |
| FODST50-LC-03 | OM2 Fiber Cable, Dual ST/Dual LC, OFNR Jacket, Orange, 3.0m | 30.98 |

PLENUM (OFNP) RATED OPTIONS

| | | |
|-------------|---|-------|
| FODPLC50-01 | OM2 Fiber Cable, Dual LC/Dual LC, OFNP Jacket, Orange, 1.0m | 31.55 |
| FODPLC50-02 | OM2 Fiber Cable, Dual LC/Dual LC, OFNP Jacket, Orange, 2.0m | 32.64 |
| FODPLC50-03 | OM2 Fiber Cable, Dual LC/Dual LC, OFNP Jacket, Orange, 3.0m | 32.12 |

| | | |
|-------------|---|-------|
| FODPSC50-01 | OM2 Fiber Cable, Dual SC/Dual SC, OFNP Jacket, Orange, 1.0m | 19.58 |
| FODPSC50-02 | OM2 Fiber Cable, Dual SC/Dual SC, OFNP Jacket, Orange, 2.0m | 20.67 |
| FODPSC50-03 | OM2 Fiber Cable, Dual SC/Dual SC, OFNP Jacket, Orange, 3.0m | 21.76 |

LOW SMOKE ZERO HALOGEN (LSZH) OPTIONS

| | | |
|-------------|---|-------|
| FODZLC50-01 | OM2 Fiber Cable, Dual LC/Dual LC, LSZH Jacket, Orange, 1.0m | 39.74 |
| FODZLC50-02 | OM2 Fiber Cable, Dual LC/Dual LC, LSZH Jacket, Orange, 2.0m | 41.34 |
| FODZLC50-03 | OM2 Fiber Cable, Dual LC/Dual LC, LSZH Jacket, Orange, 3.0m | 43.00 |

| | | |
|-------------|---|-------|
| FODZSC50-01 | OM2 Fiber Cable, Dual SC/Dual SC, LSZH Jacket, Orange, 1.0m | 16.06 |
| FODZSC50-02 | OM2 Fiber Cable, Dual SC/Dual SC, LSZH Jacket, Orange, 2.0m | 17.72 |
| FODZSC50-03 | OM2 Fiber Cable, Dual SC/Dual SC, LSZH Jacket, Orange, 3.0m | 19.33 |

OM2 50/125 Multimode MPO Fiber Ribbon and Fanout Cables

These multi-fiber MPO assemblies provide significant advantages in size by offering 12 times the density when compared to using separate SC connectors. Fan-out assemblies are ideal for making connections within rack or wall mounted fiber enclosures that utilize single fiber connectors and new Flex boot LC connectors are available for applications requiring a 90° bend or other situation with tight space constraints.

6 or 12 FIBER RIBBON CABLES - MPO to MPO

| | | |
|--------------|--|--------|
| MPMM60M2-25 | OM2 6 Fiber Ribbon Cable, MPO Male/MPO Male, OFNR Jacket, Orange, 25.0m | 178.23 |
| MPMM60M2-50 | OM2 6 Fiber Ribbon Cable, MPO Male/MPO Male, OFNR Jacket, Orange, 50.0m | 285.99 |
| MPMM60M2-100 | OM2 6 Fiber Ribbon Cable, MPO Male/MPO Male, OFNR Jacket, Orange, 100.0m | 501.57 |

| | | |
|---------------|---|--------|
| MPMM120M2-25 | OM2 12 Fiber Ribbon Cable, MPO Male/MPO Male, OFNR Jacket, Orange, 25.0m | 203.98 |
| MPMM120M2-50 | OM2 12 Fiber Ribbon Cable, MPO Male/MPO Male, OFNR Jacket, Orange, 50.0m | 324.18 |
| MPMM120M2-100 | OM2 12 Fiber Ribbon Cable, MPO Male/MPO Male, OFNR Jacket, Orange, 100.0m | 565.20 |

| | | |
|--------------|--|--------|
| MPFF60M2-25 | OM2 6 Fiber Ribbon Cable, MPO Female/MPO Female, OFNR Jacket, Orange, 25.0m | 174.44 |
| MPFF60M2-50 | OM2 6 Fiber Ribbon Cable, MPO Female/MPO Female, OFNR Jacket, Orange, 50.0m | 282.26 |
| MPFF60M2-100 | OM2 6 Fiber Ribbon Cable, MPO Female/MPO Female, OFNR Jacket, Orange, 100.0m | 497.84 |

| | | |
|---------------|---|--------|
| MPFF120M2-25 | OM2 12 Fiber Ribbon Cable, MPO Female/MPO Female, OFNR Jacket, Orange, 25.0m | 195.79 |
| MPFF120M2-50 | OM2 12 Fiber Ribbon Cable, MPO Female/MPO Female, OFNR Jacket, Orange, 50.0m | 314.28 |
| MPFF120M2-100 | OM2 12 Fiber Ribbon Cable, MPO Female/MPO Female, OFNR Jacket, Orange, 100.0m | 550.69 |

6 or 12 FIBER FANOUT CABLES - MPO to LC or SC FANOUT

| | | |
|---------------|---|--------|
| MPM60M2-LC-1 | OM2 6 Fiber Ribbon Cable, MPO Male/6x LC Fanout, OFNR Jacket, Orange, 1.0m | 77.87 |
| MPM60M2-LC-5 | OM2 6 Fiber Ribbon Cable, MPO Male/6x LC Fanout, OFNR Jacket, Orange, 5.0m | 96.00 |
| MPM60M2-LC-10 | OM2 6 Fiber Ribbon Cable, MPO Male/6x LC Fanout, OFNR Jacket, Orange, 10.0m | 119.53 |

| | | |
|----------------|---|--------|
| MPM120M2-LC-1 | OM2 12 Fiber Ribbon Cable, MPO Male/12x LC Fanout, OFNR Jacket, Orange, 1.0m | 118.44 |
| MPM120M2-LC-5 | OM2 12 Fiber Ribbon Cable, MPO Male/12x LC Fanout, OFNR Jacket, Orange, 5.0m | 138.70 |
| MPM120M2-LC-10 | OM2 12 Fiber Ribbon Cable, MPO Male/12x LC Fanout, OFNR Jacket, Orange, 10.0m | 164.34 |

| | | |
|---------------|---|--------|
| MPM60M2-SC-1 | OM2 6 Fiber Ribbon Cable, MPO Male/6x SC Fanout, OFNR Jacket, Orange, 1.0m | 68.80 |
| MPM60M2-SC-5 | OM2 6 Fiber Ribbon Cable, MPO Male/6x SC Fanout, OFNR Jacket, Orange, 5.0m | 87.51 |
| MPM60M2-SC-10 | OM2 6 Fiber Ribbon Cable, MPO Male/6x SC Fanout, OFNR Jacket, Orange, 10.0m | 110.98 |

| | | |
|----------------|---|--------|
| MPM120M2-SC-1 | OM2 12 Fiber Ribbon Cable, MPO Male/12x SC Fanout, OFNR Jacket, Orange, 1.0m | 101.34 |
| MPM120M2-SC-5 | OM2 12 Fiber Ribbon Cable, MPO Male/12x SC Fanout, OFNR Jacket, Orange, 5.0m | 121.65 |
| MPM120M2-SC-10 | OM2 12 Fiber Ribbon Cable, MPO Male/12x SC Fanout, OFNR Jacket, Orange, 10.0m | 147.24 |

6 or 12 FIBER FANOUT CABLES - MPO to LC FLEX BOOT FANOUT

| | | |
|----------------|--|--------|
| MPM60M2-FLC-1 | OM2 6 Fiber Ribbon Cable, MPO Male/6x Flex LC Fanout, OFNR Jacket, Orange, 1.0m | 87.25 |
| MPM60M2-FLC-5 | OM2 6 Fiber Ribbon Cable, MPO Male/6x Flex LC Fanout, OFNR Jacket, Orange, 5.0m | 107.56 |
| MPM60M2-FLC-10 | OM2 6 Fiber Ribbon Cable, MPO Male/6x Flex LC Fanout, OFNR Jacket, Orange, 10.0m | 133.88 |

| | | |
|-----------------|--|--------|
| MPM120M2-FLC-1 | OM2 12 Fiber Ribbon Cable, MPO Male/12x Flex LC Fanout, OFNR Jacket, Orange, 1.0m | 132.69 |
| MPM120M2-FLC-5 | OM2 12 Fiber Ribbon Cable, MPO Male/12x Flex LC Fanout, OFNR Jacket, Orange, 5.0m | 155.38 |
| MPM120M2-FLC-10 | OM2 12 Fiber Ribbon Cable, MPO Male/12x Flex LC Fanout, OFNR Jacket, Orange, 10.0m | 184.08 |

OM2 50/125 Multimode LC Loopback

L-com's OM2 LC loopback cable is handy for a number of test applications. A generous yet manageable fiber loop virtually eliminates bend loss.

| | | |
|----------|--------------------------------|-------|
| FOL50-LC | OM2 Fiber Loopback, Clipped LC | 16.27 |
|----------|--------------------------------|-------|

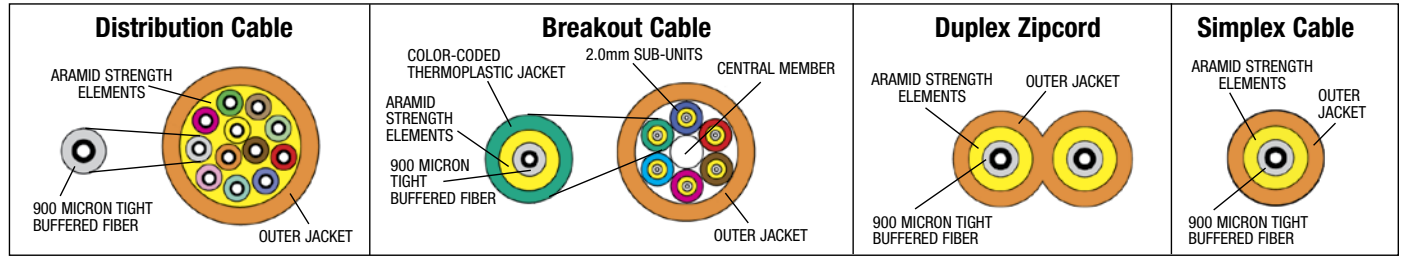
Bulk Fiber Optic Cabling - Sold by the Meter (1m = 3.28ft)

L-com offers the most popular types of Simplex, Duplex, Breakout and Distribution style cables. All are available from stock in 1 meter intervals with a 25 meter minimum unless otherwise noted. Other cabling types are available by request. Jacket color of bulk cable may vary. Contact L-com today for custom termination of bulk cable. **NOTE:** Bulk cable custom lengths are non-returnable.

Learn about fiber connectors

Online Video

[L-com.com/videos/A21](https://l-com.com/videos/A21)

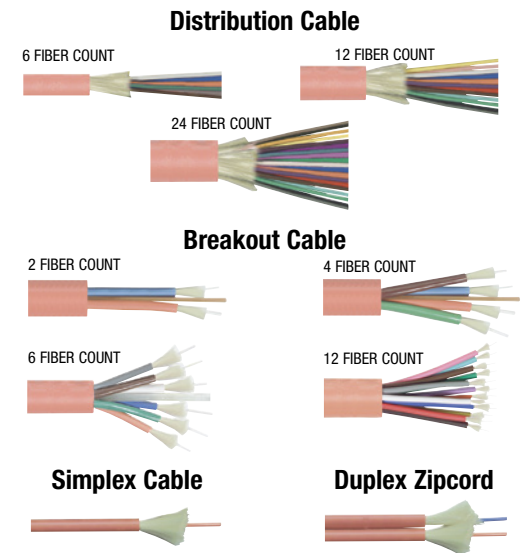


| Item # | Description | Color | 1-9 |
|--|--|--------|-------|
| OM2 50/125 Multimode Bulk Fiber Cable | | | |
| DISTRIBUTION STYLE WITH 900µm SUB UNITS | | | |
| FOB500D6-M | OM2 6 Count Indoor/Outdoor OFNP Bulk Fiber Distribution Cable | Orange | 4.25 |
| FOB500D12-M | OM2 12 Count Indoor/Outdoor OFNP Bulk Fiber Distribution Cable | Orange | 6.42 |
| FOB500D24-M | OM2 24 Count Indoor/Outdoor OFNP Bulk Fiber Distribution Cable | Orange | 18.86 |
| BREAKOUT STYLE WITH 2mm SUB UNITS | | | |
| FOBOM2IB2-M | OM2 2 Count Indoor/Outdoor OFNP Bulk Fiber Breakout Cable | Orange | 5.60 |
| FOBOM2IB4-M | OM2 4 Count Indoor/Outdoor OFNP Bulk Fiber Breakout Cable | Orange | 8.13 |
| FOBOM2IB6-M | OM2 6 Count Indoor/Outdoor OFNP Bulk Fiber Breakout Cable | Orange | 10.88 |
| FOBOM2IB12-M | OM2 12 Count Indoor/Outdoor OFNP Bulk Fiber Breakout Cable | Orange | 17.93 |
| PATCH STYLE SIMPLEX OR DUPLEX (ZIPCORDER) WITH 2mm CABLE OD | | | |
| FOBOM2S-M | OM2 Simplex Indoor OFNR Bulk Fiber Cable | Orange | 1.35 |
| FOBOM2Z-M | OM2 Duplex (Zipcord) Indoor OFNR Bulk Fiber Cable | Orange | 2.02 |

OM2 50/125 Multimode Pigtails - 900µm, 2mm or 3mm OFNR Jackets

L-com's fiber optic pigtails provide a fast way to make factory terminations in the field. They can easily be fusion or mechanically spliced to an existing fiber line. All connectors utilize PC polish and all jackets are Riser (OFNR) rated. See [L-com.com](https://l-com.com) for complete listings including additional connectors, modes and 900µm 12 packs which contain one cable of every color (such as FPT90M2-LC-12PK) so you don't have to purchase the different colors individually.

| Item # | Description | 1-9 |
|---|---|------|
| PIGTAIL CABLES - 900µm | | |
| FPT90M2-LC--1 | OM2 Fiber Optic Pigtail, OFNR Jacket, 900µm, 1.0m | 4.40 |
| FPT90M2-LC--2 | OM2 Fiber Optic Pigtail, OFNR Jacket, 900µm, 2.0m | 4.87 |
| FPT90M2-LC--3 | OM2 Fiber Optic Pigtail, OFNR Jacket, 900µm, 3.0m | 5.28 |
| PIGTAIL CABLES - 2mm (Only available in ORG) | | |
| FPT20M2-LC-ORG-1 | OM2 Fiber Optic Pigtail, OFNR Jacket, 2mm, 1.0m | 4.46 |
| FPT20M2-LC-ORG-2 | OM2 Fiber Optic Pigtail, OFNR Jacket, 2mm, 2.0m | 4.97 |
| FPT20M2-LC-ORG-3 | OM2 Fiber Optic Pigtail, OFNR Jacket, 2mm, 3.0m | 5.49 |
| PIGTAIL CABLES - 3mm (Only available in: BLU or ORG) | | |
| FPT30M2-LC--1 | OM2 Fiber Optic Pigtail, OFNR Jacket, 3mm, 1.0m | 4.46 |
| FPT30M2-LC--2 | OM2 Fiber Optic Pigtail, OFNR Jacket, 3mm, 2.0m | 4.97 |
| FPT30M2-LC--3 | OM2 Fiber Optic Pigtail, OFNR Jacket, 3mm, 3.0m | 5.49 |



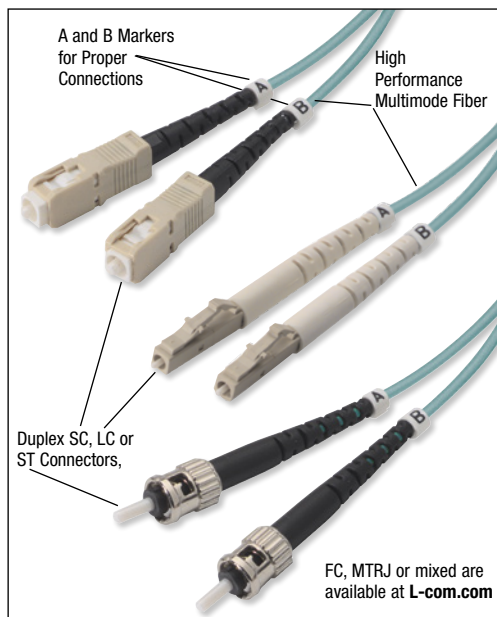
| Explanation of FPT Series Part Numbers | | | |
|---|-----------------------|-----------------------|-----------------------|
| FPT90M2- - -1 | | | |
| Series | Cable Size | Mode | Length |
| 9 | 900µm | SNG=9/125 | 1=1.0m |
| 2 | 2mm | OM1=62.5/125 | 2=2.0m |
| 3 | 3mm | OM2=50/125 | 3=3.0m |
| | | OM3=50/125 10G | |
| Connector Style | | | Cable Color |
| LC | ST | FC | SC |
| Complete Listings on L-com.com | Listings on L-com.com | Listings on L-com.com | Listings on L-com.com |
| BLK GRY YLW ORG BLU GRN RED VIO BRN AQU ROS WHT | | | |

Tip OM1, OM3, 10 Gig, Multimode, Single mode, Laser Optimized ... What does it all mean?

In today's world of fiber optics many choices are available when choosing fiber optic cable types. Depending on the type of fiber cable and transceiver specification, different distances and speeds are supported per technology (i.e. 100Base FX, 1 Gigabit, 10 Gigabit etc). The size of the fiber core, bandwidth requirements and transceiver wavelengths (i.e. 62.5/125, 850nm) are some of the considerations when designing a network with fiber. The transceiver is the driving force behind a fiber network and its specifications will generally determine what type of fiber cable is required. Always check the manufacturer's transceiver specifications for the equipment you are buying fiber cables for to get the best recommendation about the type of fiber you require.

The chart below outlines some of the common specifications and typical distance/speed limitations for the most popular fiber types.

| | Typical Wavelength | 1 Gig Typical Distance Limitation | 10 Gig Typical Distance Limitation | 100 Gig Typical Distance Limitation |
|------------------------------------|--------------------|-----------------------------------|------------------------------------|-------------------------------------|
| OM1, 62.5/125 Multimode | 850/1310nm | 280m (918ft) | 33m (108ft) | n/a |
| OM2, 50/125 Multimode | 850/1310nm | 550m (1,804ft) | 82m (269ft) | n/a |
| OM3, 10Gig Rated 50/125 Multimode | 850/1310nm | 800m (2,624ft) | 300m (984ft) | 100m (328ft) |
| OM4, 100Gig Rated 50/125 Multimode | 850/1310nm | 1040m (3,411ft) | 550m (1,804ft) | 150m (492ft) |
| OS1/OS2, 9/125 Single mode | 1310/1550nm | 100km (62miles) | 70km (43.5miles) | 40km (25miles) |

**OM3 10 Gig Rated, Laser Optimized 50/125 Multimode Duplex Patch Cords**

L-com's OM3 10 Gig rated 50/125 fiber optic cables are 100% optically tested and utilize a PC polish. Check L-com.com for additional length, color and connector options. All cable measurements are in meters. 1m=3.28ft. See L-com's Custom Cable Configurator to make your own length variations of existing cables in any whole foot or meter increment.

| Item # | Description | 1-9 |
|--------|-------------|-----|
|--------|-------------|-----|

OM3 10 Gig Rated, Laser Optimized 50/125 Multimode Duplex Fiber Patch Cords
PVC RISER (OFNR) RATED OPTIONS

| | | |
|--------------|---|-------|
| FODLC-10G-01 | OM3 Fiber Cable, Dual LC/Dual LC, OFNR Jacket, Aqua, 1.0m | 27.76 |
| FODLC-10G-02 | OM3 Fiber Cable, Dual LC/Dual LC, OFNR Jacket, Aqua, 2.0m | 28.90 |
| FODLC-10G-03 | OM3 Fiber Cable, Dual LC/Dual LC, OFNR Jacket, Aqua, 3.0m | 30.04 |

| | | |
|--------------|---|-------|
| FODSC-10G-01 | OM3 Fiber Cable, Dual SC/Dual SC, OFNR Jacket, Aqua, 1.0m | 21.55 |
| FODSC-10G-02 | OM3 Fiber Cable, Dual SC/Dual SC, OFNR Jacket, Aqua, 2.0m | 22.64 |
| FODSC-10G-03 | OM3 Fiber Cable, Dual SC/Dual SC, OFNR Jacket, Aqua, 3.0m | 23.73 |

| | | |
|--------------|---|-------|
| FODST-10G-01 | OM3 Fiber Cable, Dual ST/Dual ST, OFNR Jacket, Aqua, 1.0m | 21.55 |
| FODST-10G-02 | OM3 Fiber Cable, Dual ST/Dual ST, OFNR Jacket, Aqua, 2.0m | 22.64 |
| FODST-10G-03 | OM3 Fiber Cable, Dual ST/Dual ST, OFNR Jacket, Aqua, 3.0m | 23.73 |

| | | |
|----------------|---|-------|
| FODSC-LC10G-01 | OM3 Fiber Cable, Dual SC/Dual LC, OFNR Jacket, Aqua, 1.0m | 24.25 |
| FODSC-LC10G-02 | OM3 Fiber Cable, Dual SC/Dual LC, OFNR Jacket, Aqua, 2.0m | 25.34 |
| FODSC-LC10G-03 | OM3 Fiber Cable, Dual SC/Dual LC, OFNR Jacket, Aqua, 3.0m | 26.42 |

| | | |
|----------------|---|-------|
| FODST-LC10G-01 | OM3 Fiber Cable, Dual ST/Dual LC, OFNR Jacket, Aqua, 1.0m | 24.25 |
| FODST-LC10G-02 | OM3 Fiber Cable, Dual ST/Dual LC, OFNR Jacket, Aqua, 2.0m | 25.34 |
| FODST-LC10G-03 | OM3 Fiber Cable, Dual ST/Dual LC, OFNR Jacket, Aqua, 3.0m | 26.42 |

LOW SMOKE ZERO HALOGEN (LSZH) OPTIONS

| | | |
|--------------|---|-------|
| FODZLC-OM3-1 | OM3 Fiber Cable, Dual LC/Dual LC, LSZH Jacket, Aqua, 1.0m | 29.79 |
| FODZLC-OM3-2 | OM3 Fiber Cable, Dual LC/Dual LC, LSZH Jacket, Aqua, 2.0m | 30.93 |
| FODZLC-OM3-3 | OM3 Fiber Cable, Dual LC/Dual LC, LSZH Jacket, Aqua, 3.0m | 32.02 |

OM3 10 Gig Rated, Laser Optimized 50/125 Multimode MPO Fiber Ribbon & Fanout Cables

These multi-fiber MPO assemblies provide significant advantages in size by offering 12 times the density when compared to using separate SC connectors. Fanout assemblies are ideal for making connections within rack or wall mounted fiber enclosures that utilize single fiber connectors and new Flex boot LC connectors are available for applications requiring a 90° bend or other situation with tight space constraints.

6 or 12 FIBER RIBBON CABLES - MPO to MPO

| | | |
|--------------|--|--------|
| MPMM60M3-25 | OM3 6 Fiber Ribbon Cable, MPO Male/MPO Male, OFNR Jacket, Aqua, 25.0m | 276.41 |
| MPMM60M3-50 | OM3 6 Fiber Ribbon Cable, MPO Male/MPO Male, OFNR Jacket, Aqua, 50.0m | 482.40 |
| MPMM60M3-100 | OM3 6 Fiber Ribbon Cable, MPO Male/MPO Male, OFNR Jacket, Aqua, 100.0m | 893.83 |

| | | |
|---------------|---|---------|
| MPMM120M3-25 | OM3 12 Fiber Ribbon Cable, MPO Male/MPO Male, OFNR Jacket, Aqua, 25.0m | 324.18 |
| MPMM120M3-50 | OM3 12 Fiber Ribbon Cable, MPO Male/MPO Male, OFNR Jacket, Aqua, 50.0m | 565.20 |
| MPMM120M3-100 | OM3 12 Fiber Ribbon Cable, MPO Male/MPO Male, OFNR Jacket, Aqua, 100.0m | 1047.18 |

| | | |
|--------------|--|--------|
| MPFF60M3-25 | OM3 6 Fiber Ribbon Cable, MPO Female/MPO Female, OFNR Jacket, Aqua, 25.0m | 272.68 |
| MPFF60M3-50 | OM3 6 Fiber Ribbon Cable, MPO Female/MPO Female, OFNR Jacket, Aqua, 50.0m | 478.10 |
| MPFF60M3-100 | OM3 6 Fiber Ribbon Cable, MPO Female/MPO Female, OFNR Jacket, Aqua, 100.0m | 889.53 |

| | | |
|---------------|---|---------|
| MPFF120M3-25 | OM3 12 Fiber Ribbon Cable, MPO Female/MPO Female, OFNR Jacket, Aqua, 25.0m | 314.28 |
| MPFF120M3-50 | OM3 12 Fiber Ribbon Cable, MPO Female/MPO Female, OFNR Jacket, Aqua, 50.0m | 550.69 |
| MPFF120M3-100 | OM3 12 Fiber Ribbon Cable, MPO Female/MPO Female, OFNR Jacket, Aqua, 100.0m | 1023.51 |

6 or 12 FIBER FANOUT CABLES - MPO to LC or SC FANOUT

| | | |
|---------------|---|--------|
| MPM60M3-LC-1 | OM3 6 Fiber Ribbon Cable, MPO Male/6x LC Fanout, OFNR Jacket, Aqua, 1.0m | 82.17 |
| MPM60M3-LC-5 | OM3 6 Fiber Ribbon Cable, MPO Male/6x LC Fanout, OFNR Jacket, Aqua, 5.0m | 117.35 |
| MPM60M3-LC-10 | OM3 6 Fiber Ribbon Cable, MPO Male/6x LC Fanout, OFNR Jacket, Aqua, 10.0m | 162.22 |

| | | |
|----------------|---|--------|
| MPM120M3-LC-1 | OM3 12 Fiber Ribbon Cable, MPO Male/12x LC Fanout, OFNR Jacket, Aqua, 1.0m | 123.77 |
| MPM120M3-LC-5 | OM3 12 Fiber Ribbon Cable, MPO Male/12x LC Fanout, OFNR Jacket, Aqua, 5.0m | 164.34 |
| MPM120M3-LC-10 | OM3 12 Fiber Ribbon Cable, MPO Male/12x LC Fanout, OFNR Jacket, Aqua, 10.0m | 216.10 |

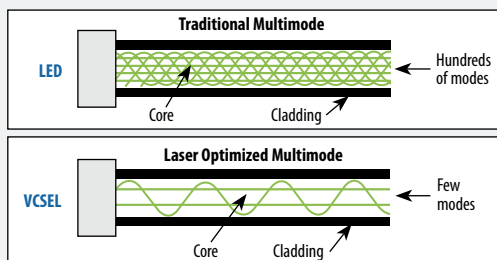
| | | |
|---------------|---|--------|
| MPM60M3-SC-1 | OM3 6 Fiber Ribbon Cable, MPO Male/6x SC Fanout, OFNR Jacket, Aqua, 1.0m | 73.05 |
| MPM60M3-SC-5 | OM3 6 Fiber Ribbon Cable, MPO Male/6x SC Fanout, OFNR Jacket, Aqua, 5.0m | 108.85 |
| MPM60M3-SC-10 | OM3 6 Fiber Ribbon Cable, MPO Male/6x SC Fanout, OFNR Jacket, Aqua, 10.0m | 153.67 |

| | | |
|----------------|---|--------|
| MPM120M3-SC-1 | OM3 12 Fiber Ribbon Cable, MPO Male/12x SC Fanout, OFNR Jacket, Aqua, 1.0m | 106.16 |
| MPM120M3-SC-5 | OM3 12 Fiber Ribbon Cable, MPO Male/12x SC Fanout, OFNR Jacket, Aqua, 5.0m | 147.24 |
| MPM120M3-SC-10 | OM3 12 Fiber Ribbon Cable, MPO Male/12x SC Fanout, OFNR Jacket, Aqua, 10.0m | 198.48 |

6 or 12 FIBER FANOUT CABLES - MPO to LC FLEX BOOT FANOUT

| | | |
|----------------|--|--------|
| MPM60M3-FLC-1 | OM3 6 Fiber Ribbon Cable, MPO Male/6x Flex LC Fanout, OFNR Jacket, Aqua, 1.0m | 92.07 |
| MPM60M3-FLC-5 | OM3 6 Fiber Ribbon Cable, MPO Male/6x Flex LC Fanout, OFNR Jacket, Aqua, 5.0m | 131.44 |
| MPM60M3-FLC-10 | OM3 6 Fiber Ribbon Cable, MPO Male/6x Flex LC Fanout, OFNR Jacket, Aqua, 10.0m | 181.70 |

| | | |
|-----------------|--|--------|
| MPM120M3-FLC-1 | OM3 12 Fiber Ribbon Cable, MPO Male/12x Flex LC Fanout, OFNR Jacket, Aqua, 1.0m | 138.64 |
| MPM120M3-FLC-5 | OM3 12 Fiber Ribbon Cable, MPO Male/12x Flex LC Fanout, OFNR Jacket, Aqua, 5.0m | 184.08 |
| MPM120M3-FLC-10 | OM3 12 Fiber Ribbon Cable, MPO Male/12x Flex LC Fanout, OFNR Jacket, Aqua, 10.0m | 242.06 |

Tip Explaining regular and 10 Gig Multimode fiber

OM1 62.5/125 and OM2 50/125 multimode fiber is typically attached to communications equipment that use LED (light-emitting diode) transceivers that output hundreds of modes into the cable.

OM3 and OM4 50/125 10 Gig or higher rated multimode fiber uses VCSEL (vertical cavity surface emitting laser) transceivers that use only a specific set of modes instead of the hundreds of modes of traditional multimode fiber.

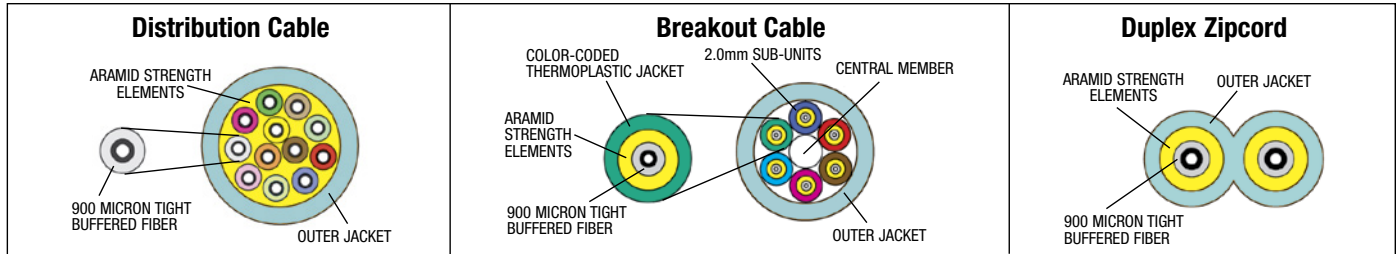
When transmitting light through a fiber cable a phenomenon known as Modal Dispersion occurs, causing different modes of light to arrive at the receiving end of the cable at different times. The degree that this happens is determined by the fiber's Refractive Index which is defined during the fiber manufacturing process.

A multimode fiber cable's bandwidth is dictated by the combined performance of all its modes. For a traditional LED driven OM1 or OM2 cable, if several modes fall behind or get ahead, it has little influence or effect on the cable's total bandwidth since it is few modes out of many.

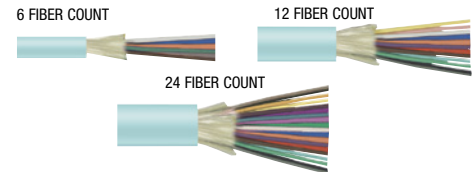
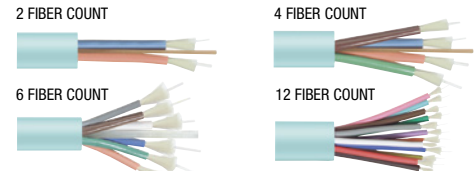
As the need for increased speeds and bandwidth grew, 10 Gig VCSELs were developed. These low cost lasers use only a specific set of modes. Since there are fewer modes, Modal Dispersion can have a great effect on a cable; since there are less modes, it takes fewer getting ahead or falling behind to degrade a fiber cable's performance and bandwidth capacity. 10 Gig and 100 Gig, Laser optimized OM3 and OM4 fibers were developed with enhanced Refractive Indexes specifically to achieve higher speeds over longer distances than traditional multimode cables.

Bulk Fiber Optic Cabling - Sold by the Meter (1m = 3.28ft)

L-com offers the most popular types of Simplex, Duplex, Breakout and Distribution style cables. All are available from stock in 1 meter intervals with a 25 meter minimum unless otherwise noted. Other cabling types are available by request. Jacket color of bulk cable may vary. Contact L-com today for custom termination of bulk cable. **NOTE:** Bulk cable custom lengths are non-returnable.

How to clean fiber cable**Online Video**
L-com.com/videos/AQ5


| Item # | Description | Color | 1-9 |
|--|--|-------|-------|
| OM3 10 Gig Rated, Laser Optimized 50/125 Multimode Bulk Fiber Cable | | | |
| DISTRIBUTION STYLE WITH 900µm SUB UNITS (50 meter minimum) | | | |
| FOB501D6-M | OM3 6 Count Indoor/Outdoor OFNP Bulk Fiber Distribution Cable | Aqua | 10.10 |
| FOB501D12-M | OM3 12 Count Indoor/Outdoor OFNP Bulk Fiber Distribution Cable | Aqua | 16.32 |
| FOB501D24-M | OM3 24 Count Indoor/Outdoor OFNP Bulk Fiber Distribution Cable | Aqua | 27.72 |
| BREAKOUT STYLE WITH 2mm SUB UNITS (50 meter minimum) | | | |
| FOBOM3IB2-M | OM3 2 Count Indoor/Outdoor OFNP Bulk Fiber Breakout Cable | Aqua | 7.25 |
| FOBOM3IB4-M | OM3 4 Count Indoor/Outdoor OFNP Bulk Fiber Breakout Cable | Aqua | 8.96 |
| FOBOM3IB6-M | OM3 6 Count Indoor/Outdoor OFNP Bulk Fiber Breakout Cable | Aqua | 13.00 |
| FOBOM3IB12-M | OM3 12 Count Indoor/Outdoor OFNP Bulk Fiber Breakout Cable | Aqua | 22.38 |
| PATCH STYLE DUPLEX (ZIPCORD) WITH 2mm CABLE OD | | | |
| FOBOM3Z-M | OM3 Duplex (Zipcord) Indoor OFNR Bulk Fiber Cable | Aqua | 2.38 |

Distribution Cable**Breakout Cable****Duplex Zipcord**

OM3 10 Gig, Laser Optimized 50/125 Pigtails - 900µm or 3mm OFNR Jackets
L-com's fiber optic pigtails provide a fast way to make factory terminations in the field. They can easily be fusion or mechanically spliced to an existing fiber line. All connectors utilize PC polish and all jackets are Riser (OFNR) rated. See L-com.com for complete listings including additional connectors and modes.

PIGTAIL CABLES - 900µm (Only available in ORG)

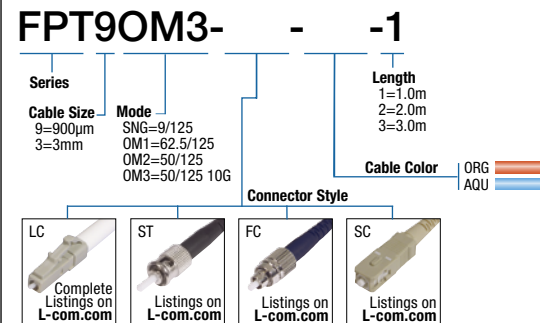
| | | |
|------------------|---|------|
| FPT90M3-LC-ORG-1 | OM3 Fiber Optic Pigtail, OFNR Jacket, 900µm, 1.0m | 4.77 |
| FPT90M3-LC-ORG-2 | OM3 Fiber Optic Pigtail, OFNR Jacket, 900µm, 2.0m | 5.65 |
| FPT90M3-LC-ORG-3 | OM3 Fiber Optic Pigtail, OFNR Jacket, 900µm, 3.0m | 6.48 |

PIGTAIL CABLES - 3mm (Only available in AQU)

| | | |
|------------------|---|------|
| FPT30M3-LC-AQU-1 | OM3 Fiber Optic Pigtail, OFNR Jacket, 3mm, 1.0m | 4.87 |
| FPT30M3-LC-AQU-2 | OM3 Fiber Optic Pigtail, OFNR Jacket, 3mm, 2.0m | 5.80 |
| FPT30M3-LC-AQU-3 | OM3 Fiber Optic Pigtail, OFNR Jacket, 3mm, 3.0m | 6.74 |



Complete Listings on L-com.com

Explanation of FPT Series Part Numbers**Tip Check out L-com's Custom Cable Configurator**

We understand that many applications require specific and precise lengths and connector combinations that off-the-shelf cables often don't address. We created our Custom Cable Configurator to meet this need. Found on L-com.com/productconfigurator, the Custom Cable Configurator will let anyone create a custom cable in just 4 easy steps.

Step 1: Go to L-com's Home Page

Step 2: Click Technical Resources

Step 3: Choose Custom Cable Configurators

Step 4: Follow the drop-down menus and make your choices

The Configurator allows you to create a cable in any whole number length in feet, meters or inches (length options may vary by cable type). You can also select your own connector options to choose what you need for each end of the cable. There is no minimum order requirement for fiber or coax cables and many assemblies can be produced in less than one week. Current configurable options include fiber optic, low-loss coaxial, RG style coaxial and modular Ethernet assemblies. Give L-com a call today and one of our trained reps will be happy to walk you through the menus to get you exactly what you are looking for.

Start at the L-com.com Home Page, click Technical Resources and then choose Custom Cable Configurators

Product Type: Fiber Optic [Reset]

Product Style: Multimode Duplex Fiber (Best Delivery)

Connector 1: LC (Clipped)

Connector 2: ST

Cable Type (Mode, Jacket, and Color): 62.5/125 OM1 OFNP Green (Mtr)

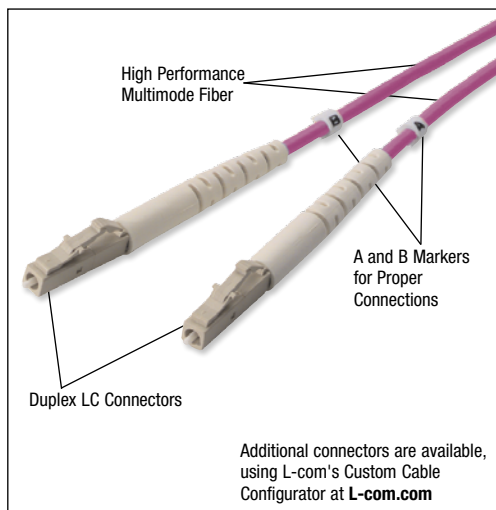
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Quantity: 1 [Calculate Price]

Connector 1: [Image]

Cable Type (Mode, Jacket, and Color): [Image]

Connector 2: [Image]



OM4 100 Gig Rated, Laser Optimized 50/125 Multimode Duplex Patch Cords

L-com's OM4 100 Gig rated 50/125 fiber optic cables are 100% optically tested and utilize a PC polish. Check **L-com.com** for more length, color and connector options. Cable measurements are in meters, 1m=3.28ft. See L-com's Custom Cable Configurator to make your own length variations of existing cables in any whole foot or meter increment.

| Item # | Description | 1-9 |
|--------|-------------|-----|
|--------|-------------|-----|

OM4 100 Gig Rated, Laser Optimized 50/125 Multimode Duplex Fiber Patch Cords

PVC RISER (OFNR) RATED OPTIONS

| | | |
|-------------|---|-------|
| FODLC-OM4-1 | OM4 Fiber Cable, Dual LC/Dual LC, OFNR Jacket, Aqua, 1.0m | 29.73 |
| FODLC-OM4-2 | OM4 Fiber Cable, Dual LC/Dual LC, OFNR Jacket, Aqua, 2.0m | 31.08 |
| FODLC-OM4-3 | OM4 Fiber Cable, Dual LC/Dual LC, OFNR Jacket, Aqua, 3.0m | 32.42 |

LOW SMOKE ZERO HALOGEN (LSZH) OPTIONS

| | | |
|--------------|---|-------|
| FODZLC-OM4-1 | OM4 Fiber Cable, Dual LC/Dual LC, LSZH Jacket, Aqua, 1.0m | 32.28 |
| FODZLC-OM4-2 | OM4 Fiber Cable, Dual LC/Dual LC, LSZH Jacket, Aqua, 2.0m | 33.62 |
| FODZLC-OM4-3 | OM4 Fiber Cable, Dual LC/Dual LC, LSZH Jacket, Aqua, 3.0m | 34.97 |

| | | |
|------------------|--|-------|
| FODZLC-OM4-MAG-1 | OM4 Fiber Cable, Dual LC/Dual LC, LSZH Jacket, Magenta, 1.0m | 32.28 |
| FODZLC-OM4-MAG-2 | OM4 Fiber Cable, Dual LC/Dual LC, LSZH Jacket, Magenta, 2.0m | 33.62 |
| FODZLC-OM4-MAG-3 | OM4 Fiber Cable, Dual LC/Dual LC, LSZH Jacket, Magenta, 3.0m | 34.97 |

OM4 100 Gig Rated, Laser Optimized 50/125 Multimode MPO Ribbon and Fanout Cables

These multi-fiber MPO assemblies provide significant advantages in size by offering 12 times the density when compared to using separate SC connectors. Fanout assemblies are ideal for making connections within rack or wall mounted fiber enclosures that utilize single fiber connectors and new Flex boot LC connectors are available for applications requiring a 90° bend or other situation with tight space constraints. Please note that OM4 MPO cables are only available with Low Smoke Zero Halogen (LSZH) jackets.

12 FIBER RIBBON CABLES - MPO to MPO

| | | |
|---------------|---|---------|
| MPMM12OM4-25 | OM4 12 Fiber Ribbon Cable, MPO Male/MPO Male, LSZH Jacket, Aqua, 25.0m | 446.08 |
| MPMM12OM4-50 | OM4 12 Fiber Ribbon Cable, MPO Male/MPO Male, LSZH Jacket, Aqua, 50.0m | 810.05 |
| MPMM12OM4-100 | OM4 12 Fiber Ribbon Cable, MPO Male/MPO Male, LSZH Jacket, Aqua, 100.0m | 1539.02 |

| | | |
|---------------|---|---------|
| MPFF12OM4-25 | OM4 12 Fiber Ribbon Cable, MPO Female/MPO Female, LSZH Jacket, Aqua, 25.0m | 441.84 |
| MPFF12OM4-50 | OM4 12 Fiber Ribbon Cable, MPO Female/MPO Female, LSZH Jacket, Aqua, 50.0m | 806.32 |
| MPFF12OM4-100 | OM4 12 Fiber Ribbon Cable, MPO Female/MPO Female, LSZH Jacket, Aqua, 100.0m | 1534.72 |

12 FIBER FANOUT CABLES - MPO to LC or SC FANOUT

| | | |
|----------------|---|--------|
| MPM12OM4-LC-1 | OM4 12 Fiber Ribbon Cable, MPO Male/12x LC Fanout, LSZH Jacket, Aqua, 1.0m | 129.11 |
| MPM12OM4-LC-5 | OM4 12 Fiber Ribbon Cable, MPO Male/12x LC Fanout, LSZH Jacket, Aqua, 5.0m | 192.06 |
| MPM12OM4-LC-10 | OM4 12 Fiber Ribbon Cable, MPO Male/12x LC Fanout, LSZH Jacket, Aqua, 10.0m | 271.07 |

| | | |
|----------------|---|--------|
| MPM12OM4-SC-1 | OM4 12 Fiber Ribbon Cable, MPO Male/12x SC Fanout, LSZH Jacket, Aqua, 1.0m | 111.50 |
| MPM12OM4-SC-5 | OM4 12 Fiber Ribbon Cable, MPO Male/12x SC Fanout, LSZH Jacket, Aqua, 5.0m | 175.01 |
| MPM12OM4-SC-10 | OM4 12 Fiber Ribbon Cable, MPO Male/12x SC Fanout, LSZH Jacket, Aqua, 10.0m | 253.97 |

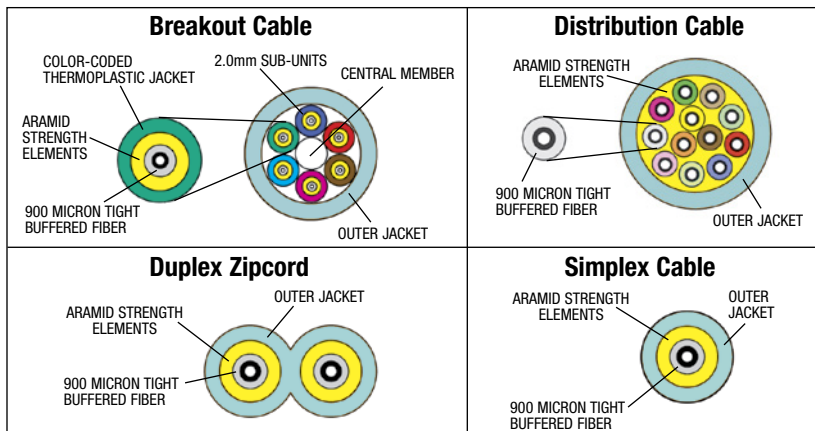
12 FIBER FANOUT CABLES - MPO to LC FLEX BOOT FANOUT

| | | |
|-----------------|--|--------|
| MPM12OM4-FLC-1 | OM4 12 Fiber Ribbon Cable, MPO Male/12x Flex LC Fanout, LSZH Jacket, Aqua, 1.0m | 144.60 |
| MPM12OM4-FLC-5 | OM4 12 Fiber Ribbon Cable, MPO Male/12x Flex LC Fanout, LSZH Jacket, Aqua, 5.0m | 215.12 |
| MPM12OM4-FLC-10 | OM4 12 Fiber Ribbon Cable, MPO Male/12x Flex LC Fanout, LSZH Jacket, Aqua, 10.0m | 303.61 |

Bulk Fiber Optic Cabling - Sold by the Meter (1m = 3.28ft)

L-com offers the most popular types of Simplex, Duplex, Breakout and Distribution style cables. All are available from stock in 1 meter intervals with a 25 meter minimum unless otherwise noted. Other cabling types are available by request. Jacket color of bulk cable may vary. Contact L-com today for custom termination of bulk cable.

NOTE: Bulk cable custom lengths are non-returnable.



| Item # | Description | Color | 1-9 |
|--------|-------------|-------|-----|
|--------|-------------|-------|-----|

OM4 100 Gig Rated, Laser Optimized 50/125 Multimode Bulk Fiber Cable

DISTRIBUTION STYLE WITH 900µm SUB UNITS (153 meter minimum)

| | | | |
|-------------|--|------|-------|
| FOBOM4D6-M | OM4 6 Count Indoor/Outdoor OFNP Bulk Fiber Distribution Cable | Aqua | 9.79 |
| FOBOM4D12-M | OM4 12 Count Indoor/Outdoor OFNP Bulk Fiber Distribution Cable | Aqua | 14.45 |
| FOBOM4D24-M | OM4 24 Count Indoor/Outdoor OFNP Bulk Fiber Distribution Cable | Aqua | 20.46 |

BREAKOUT STYLE WITH 2mm SUB UNITS (50 meter minimum)

| | | | |
|--------------|--|------|-------|
| FOBOM4IB2-M | OM4 2 Count Indoor/Outdoor 62.5/125 Bulk Breakout Cable | Aqua | 8.08 |
| FOBOM4IB4-M | OM4 4 Count Indoor/Outdoor 62.5/125 Bulk Breakout Cable | Aqua | 9.93 |
| FOBOM4IB6-M | OM4 6 Count Indoor/Outdoor 62.5/125 Bulk Breakout Cable | Aqua | 16.37 |
| FOBOM4IB12-M | OM4 12 Count Indoor/Outdoor 62.5/125 Bulk Breakout Cable | Aqua | 23.94 |

PATCH STYLE SIMPLEX OR DUPLEX (ZIPCORD) WITH 2mm CABLE OD

| | | | |
|-----------|---|------|------|
| FOBOM4S-M | OM4 Simplex Indoor OFNR Bulk Fiber Cable, 2mm OD | Aqua | 2.02 |
| FOBOM4Z-M | OM4 Duplex (Zipcord) Indoor OFNR Bulk Fiber Cable, 3mm OD | Aqua | 3.00 |

Colored Fiber Patch Cords

Looking for a duplex fiber assembly in a non-standard color or to differentiate between similar cables of the same model without hard to read cable labels? You can do that easily with L-com's colored fiber assemblies. Different colored jackets make it a snap to visually identify a cable. All cables have OFNR (Riser) jackets and utilize PC polish connectors. See L-com.com for complete listings and use L-com's custom cable configurator to create your own custom lengths.

| Item # | Description | 1-9 |
|---|--|-------|
| 9/125 Single mode Colored Duplex Patch Cords | | |
| LC configurations shown below; see L-com.com for SC or ST listings | | |
| Available in Blue, Green, Orange or Red (see standard offerings for Yellow) | | |
| SFODLC-___-01 | Single mode Fiber Cable, Clipped LC/Clipped LC, OFNR Colored Jacket, 1.0m | 22.90 |
| SFODLC-___-03 | Single mode Fiber Cable, Clipped LC/Clipped LC, OFNR Colored Jacket, 3.0m | 24.87 |
| SFODLC-___-05 | Single mode Fiber Cable, Clipped LC/Clipped LC, OFNR Colored Jacket, 5.0m | 26.94 |
| SFODLC-___-10 | Single mode Fiber Cable, Clipped LC/Clipped LC, OFNR Colored Jacket, 10.0m | 33.73 |

OM1 62.5/125 Multimode Colored Duplex Patch Cords

LC configurations shown below; see L-com.com for SC or ST listings

Available in Blue, Green, Orange, Red or Yellow (see standard offerings for Gray)

| | | |
|--------------|--|-------|
| FODLC-___-01 | OM1 Fiber Cable, Clipped LC/Clipped LC, OFNR Colored Jacket, 1.0m | 20.72 |
| FODLC-___-03 | OM1 Fiber Cable, Clipped LC/Clipped LC, OFNR Colored Jacket, 3.0m | 22.80 |
| FODLC-___-05 | OM1 Fiber Cable, Clipped LC/Clipped LC, OFNR Colored Jacket, 5.0m | 24.87 |
| FODLC-___-10 | OM1 Fiber Cable, Clipped LC/Clipped LC, OFNR Colored Jacket, 10.0m | 32.33 |

OM2 50/125 Multimode Colored Duplex Patch Cords

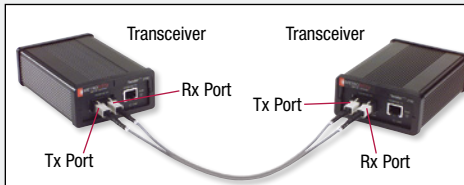
LC configurations shown below; see L-com.com for SC or ST listings

Available in Blue, Green, Red or Yellow (see standard offerings for Orange)

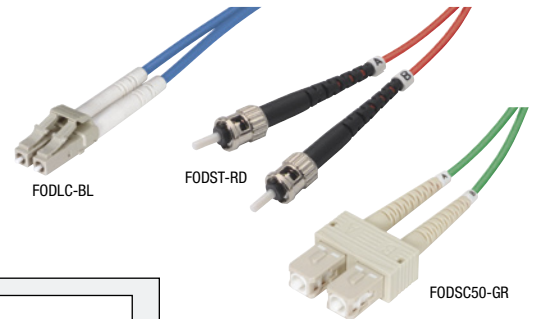
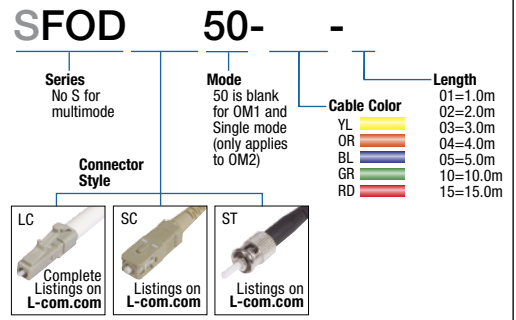
| | | |
|----------------|--|-------|
| FODLC50-___-01 | OM2 Fiber Cable, Clipped LC/Clipped LC, OFNR Colored Jacket, 1.0m | 21.55 |
| FODLC50-___-03 | OM2 Fiber Cable, Clipped LC/Clipped LC, OFNR Colored Jacket, 3.0m | 23.73 |
| FODLC50-___-05 | OM2 Fiber Cable, Clipped LC/Clipped LC, OFNR Colored Jacket, 5.0m | 24.87 |
| FODLC50-___-10 | OM2 Fiber Cable, Clipped LC/Clipped LC, OFNR Colored Jacket, 10.0m | 32.33 |

A and B markers make the connection

The "A" and "B" markers on duplex fiber jumpers assist in the proper connection between two transceivers. The transmit (Tx) port of one transceiver connects to the Receive (Rx) port of the second transceiver as illustrated at right. It is important to determine how the individual fibers in a duplex assembly are marked (A to A or A to B) to assure proper connections are made between the Tx and Rx ports of the transceivers. L-com's cables are labeled A to B.



Explanation of Part Numbers



A and B markers explained

Online Video

L-com.com/Videos/A06

Bend Insensitive Fiber Patch Cords with Flex Boot LC or SC Connectors

These Flex Boot assemblies are designed to fit in tight spaces and in applications where a non-standard angle of connection is required. These patch cables are built using Bend-Insensitive fiber and feature OFNR (Riser) jackets along with LC or SC style Flex Boot connectors. These special boots can be bent in any angle up to 90° without exceeding the bend tolerance of the cable. Bend them into the angle that best fits your application. All connectors are PC polish. Please see L-com.com for complete listings and use L-com's custom cable configurator to create your own custom lengths.

| Item # | Description | 1-9 |
|---|---|--------|
| 9/125 Single mode Flex Boot, Bend-Insensitive Duplex Patch Cords | | |
| LC configurations shown below; see L-com.com for SC or LC to SC listings | | |
| SFODBIFLC-01 | Single mode Bend-Insensitive Fiber Cable, Dual Flex LC/Dual Flex LC, OFNR Jacket, Yellow, 1.0m | 78.75 |
| SFODBIFLC-03 | Single mode Bend-Insensitive Fiber Cable, Dual Flex LC/Dual Flex LC, OFNR Jacket, Yellow, 3.0m | 82.59 |
| SFODBIFLC-05 | Single mode Bend-Insensitive Fiber Cable, Dual Flex LC/Dual Flex LC, OFNR Jacket, Yellow, 5.0m | 86.52 |
| SFODBIFLC-10 | Single mode Bend-Insensitive Fiber Cable, Dual Flex LC/Dual Flex LC, OFNR Jacket, Yellow, 10.0m | 104.92 |

OM2 50/125 Multimode Flex Boot, Bend-Insensitive Duplex Patch Cords

LC configurations shown below; see L-com.com for SC or LC to SC listings

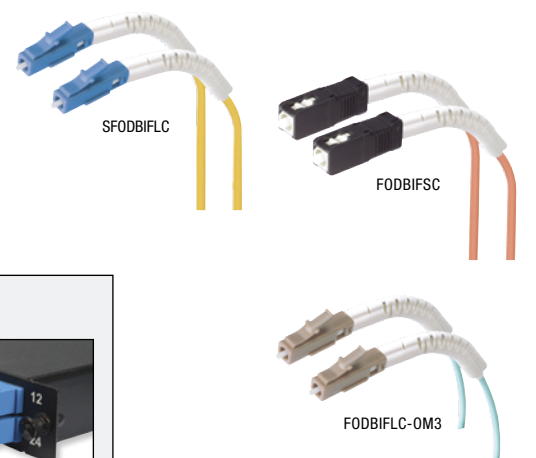
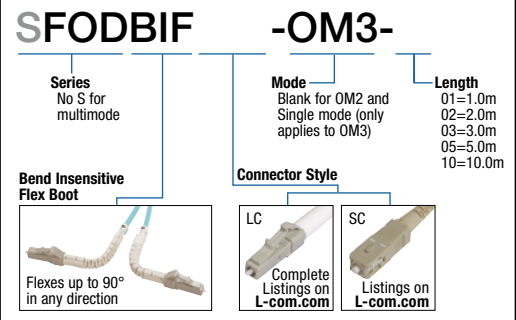
| | | |
|-------------|---|-------|
| FODBIFLC-01 | OM2 Bend-Insensitive Fiber Cable, Dual Flex LC/Dual Flex LC, OFNR Jacket, Orange, 1.0m | 61.24 |
| FODBIFLC-03 | OM2 Bend-Insensitive Fiber Cable, Dual Flex LC/Dual Flex LC, OFNR Jacket, Orange, 3.0m | 69.17 |
| FODBIFLC-05 | OM2 Bend-Insensitive Fiber Cable, Dual Flex LC/Dual Flex LC, OFNR Jacket, Orange, 5.0m | 77.35 |
| FODBIFLC-10 | OM2 Bend-Insensitive Fiber Cable, Dual Flex LC/Dual Flex LC, OFNR Jacket, Orange, 10.0m | 97.25 |

OM3 50/125 10 Gig Rated Multimode Flex Boot, Bend-Insensitive Duplex Patch Cords

LC configurations shown below; see L-com.com for SC or LC to SC listings

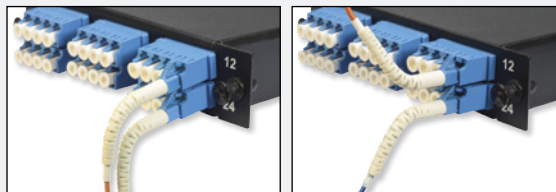
| | | |
|-----------------|---|-------|
| FODBIFLC-OM3-01 | OM3 Bend-Insensitive Fiber Cable, Dual Flex LC/Dual Flex LC, OFNR Jacket, Aqua, 1.0m | 63.05 |
| FODBIFLC-OM3-03 | OM3 Bend-Insensitive Fiber Cable, Dual Flex LC/Dual Flex LC, OFNR Jacket, Aqua, 3.0m | 71.24 |
| FODBIFLC-OM3-05 | OM3 Bend-Insensitive Fiber Cable, Dual Flex LC/Dual Flex LC, OFNR Jacket, Aqua, 5.0m | 79.63 |
| FODBIFLC-OM3-10 | OM3 Bend-Insensitive Fiber Cable, Dual Flex LC/Dual Flex LC, OFNR Jacket, Aqua, 10.0m | 88.65 |

Explanation of Part Numbers

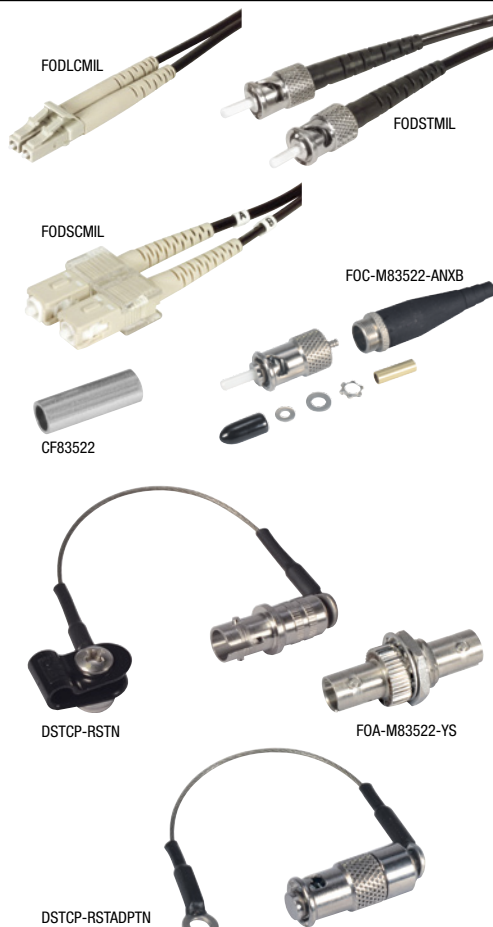


Tip L-com's Flex Boot fiber connectors explained

Did you know L-com's Flex Boot fiber connectors can be bent in any direction from 180° to 90° without negatively affecting the performance of the fiber? They are great for connector stacking (shown right), tight spaces and right angles. They are also built using Bend Insensitive cable which has superior bend performance with negligible signal loss, even with a very small bend radius.



Explanation of Cable Part Numbers

SFODS=Single mode
Blank=Multimode**Connector Style**
LC
ST (Ruggedized)
SC**MIL-1**Mode
Blank=OM1
OM2=OM2
OM3=OM3**Length**
1=1.0m
2=2.0m
3=3.0m
5=5.0m
10=10.0m

Military Grade Fiber Optic Solutions

L-com's Military Grade fiber optic patch cables are built with specialized Military Tactical cable that features impact and crush resistance characteristics which comply with Military requirements. These robust assemblies are rated for operating temps of -55° to +85° C. They are available in both single mode and multimode options with ST, LC or SC connector options. ST assemblies feature rust resistant stainless steel bodies and extra high force springs to ensure tight mating even when exposed to shock and vibration as often encountered in the field under combat conditions. These cables are perfect for rough field conditions or other outdoor use. Custom lengths can be created with L-com's Custom Cable Configurator at L-com.com.

| Item # | Description | 1-9 |
|--------|-------------|-----|
|--------|-------------|-----|

Duplex Military Grade Multimode Cables, OM1 62.5/125, Polyurethane Jacket

Pricing for the OM1 LC, ST and SC connector series is shown below. Pricing for OM2, OM3 or Single mode may be found at L-com.com.

| | | |
|-------------|---|--------|
| FODLCMIL-01 | OM1 Military Grade Fiber Cable, Clipped LC/Clipped LC, TPUR Jacket, 1.0m | 49.01 |
| FODLCMIL-02 | OM1 Military Grade Fiber Cable, Clipped LC/Clipped LC, TPUR Jacket, 2.0m | 54.71 |
| FODLCMIL-03 | OM1 Military Grade Fiber Cable, Clipped LC/Clipped LC, TPUR Jacket, 3.0m | 60.41 |
| FODLCMIL-05 | OM1 Military Grade Fiber Cable, Clipped LC/Clipped LC, TPUR Jacket, 5.0m | 71.81 |
| FODLCMIL-10 | OM1 Military Grade Fiber Cable, Clipped LC/Clipped LC, TPUR Jacket, 10.0m | 100.30 |
| FODSCMIL-01 | OM1 Military Grade Fiber Cable, Clipped SC/Clipped SC, TPUR Jacket, 1.0m | 41.24 |
| FODSCMIL-02 | OM1 Military Grade Fiber Cable, Clipped SC/Clipped SC, TPUR Jacket, 2.0m | 47.30 |
| FODSCMIL-03 | OM1 Military Grade Fiber Cable, Clipped SC/Clipped SC, TPUR Jacket, 3.0m | 52.17 |
| FODSCMIL-05 | OM1 Military Grade Fiber Cable, Clipped SC/Clipped SC, TPUR Jacket, 5.0m | 64.30 |
| FODSCMIL-10 | OM1 Military Grade Fiber Cable, Clipped SC/Clipped SC, TPUR Jacket, 10.0m | 94.61 |
| FODSTMIL-01 | OM1 Military Grade Fiber Cable, Dual ST/Dual ST, TPUR Jacket, 1.0m | 84.86 |
| FODSTMIL-02 | OM1 Military Grade Fiber Cable, Dual ST/Dual ST, TPUR Jacket, 2.0m | 90.93 |
| FODSTMIL-03 | OM1 Military Grade Fiber Cable, Dual ST/Dual ST, TPUR Jacket, 3.0m | 96.99 |
| FODSTMIL-05 | OM1 Military Grade Fiber Cable, Dual ST/Dual ST, TPUR Jacket, 5.0m | 109.11 |
| FODSTMIL-10 | OM1 Military Grade Fiber Cable, Dual ST/Dual ST, TPUR Jacket, 10.0m | 139.42 |

MIL-C-83522 ST Connectors and Dust Caps

L-com's Mil ST line of connectors meet or exceed 100% of the requirements of military specification MIL-C-83522 including extreme temperature change, shock, vibration and corrosion making them ideal for military, aircraft, spacecraft, shipboard and land based applications. These connectors are designed to be used with 2mm cable. For use with 2.5 or 3mm cable, please purchase crimp ferrule CF83522 separately. Locking versions prevent accidental disconnects from high shock or vibration environments.

| | | |
|-----------------|--|-------|
| FOC-M83522-ANXB | MIL M83522 ST Connector, Multimode, Locking, Nickel Plated Brass for 2mm Fiber | 30.46 |
| FOC-M83522-ANYB | MIL M83522 ST Connector, Single mode, Locking, Nickel Plated Brass for 2mm Fiber | 32.17 |
| FOC-M83522-DNXB | MIL M83522 ST Connector, Multimode, Non-Locking, Nickel Plated Brass for 2mm Fiber | 14.61 |
| FOC-M83522-DNYB | MIL M83522 ST Connector, Single mode, Non-Locking, Nickel Plated Brass for 2mm Fiber | 14.66 |
| FOC-M83522-DNXS | MIL M83522 ST Connector, Multimode, Non-Locking, Stainless Steel for 2mm Fiber | 22.28 |
| FOC-M83522-DNYS | MIL M83522 ST Connector, Single mode, Non-Locking, Stainless Steel for 2mm Fiber | 22.33 |
| CF83522 | MIL M83522 ST Crimp Ferrule Required for use with 2.5 and 3mm Fiber Cable | 2.49 |
| DSTCP-RSTN | ST Dust Cap for MIL and Ruggedized COTS Connectors, Nickel Plated Brass with Lanyard | 23.42 |
| DSTCP-RSTS | ST Dust Cap for MIL and Ruggedized COTS Connectors, Stainless Steel with Lanyard | 26.16 |

MIL-C-83522 ST Couplers and Dust Caps

These ST couplers are fully qualified to MIL-C-83522 standards ensuring the highest performance for an ST connector. These are designed to work with L-com's FOC-M83522 line of connectors but will also work with standard or COTS ST connectors. Couplers are compatible with both multimode and single mode applications.

| | | |
|----------------|--|-------|
| FOA-M83522-YB | MIL M83522 ST Coupler, Multimode and Single mode, Nickel Plated Brass | 16.53 |
| FOA-M83522-YS | MIL M83522 ST Coupler, Multimode and Single mode, Stainless Steel | 35.70 |
| DSTCP-RSTADPTN | ST Dust Cap for MIL and Ruggedized COTS Couplers, Nickel Plated Brass with Lanyard | 19.74 |
| DSTCP-RSTADPTS | ST Dust Cap for MIL and Ruggedized COTS Couplers, Stainless Steel with Lanyard | 22.38 |

9/125 Single mode APC Couplers

In order to achieve low back reflection values, some fiber assemblies utilize a connector with an APC (Angled Physical Contact) connector. These APC connectors require special couplers that have tight tolerance alignment slots to assure proper orientation of the mated APC connectors. These APC couplers are specifically designed for this application.

| Item # | Description | Body | Sleeve | 1-9 |
|--------|-------------|------|--------|-----|
|--------|-------------|------|--------|-----|

9/125 Single mode APC Couplers

| | | | | |
|---------|--|---------|---------|-------|
| FOA-804 | Simplex LC/LC APC Coupler Low Profile | Plastic | Ceramic | 14.92 |
| FOA-805 | Duplex LC/LC APC Coupler Low Profile | Plastic | Ceramic | 15.96 |
| FOA-017 | Simplex SC/SC APC Coupler with Mounting Flange | Plastic | Ceramic | 10.67 |
| FOA-018 | Duplex SC/SC APC Coupler with Mounting Flange | Plastic | Ceramic | 19.79 |
| FOA-019 | Simplex FC/FC APC Coupler with D-Hole Mount | Metal | Ceramic | 16.01 |

MTRJ to MTRJ Fiber Optic Coupler

Use of this coupler requires one of the two mating MTRJ connectors to contain alignment pins.

| | | | | |
|---------|-----------------------------------|---------|------|------|
| FOA-600 | MTRJ Coupler with Mounting Flange | Plastic | None | 4.35 |
|---------|-----------------------------------|---------|------|------|

Assorted FC Couplers/Adapters Not Shown Elsewhere

| | | | | |
|----------|--|-------|---------|-------|
| FOA-003 | Simplex FC Fiber Coupler with Square Mount | Metal | Bronze | 7.10 |
| FOA-003A | Simplex FC Fiber Coupler with Square Mount | Metal | Ceramic | 10.36 |
| FOA-013 | Simplex FC Fiber Coupler with Rectangular Mount | Metal | Bronze | 7.10 |
| FOA-013A | Simplex FC Fiber Coupler with Rectangular Mount | Metal | Ceramic | 10.36 |
| FOA-033 | Simplex FC Fiber Coupler with D-Hole Mount | Metal | Bronze | 6.94 |
| FOA-033A | Simplex FC Fiber Coupler with D-Hole Mount | Metal | Ceramic | 10.15 |
| FOA-301 | Simplex ST-FC Fiber Adapter with Square Mount | Metal | Bronze | 10.10 |
| FOA-311 | Simplex ST-FC Fiber Adapter with Rectangular Mount | Metal | Bronze | 3.83 |
| FOA-311A | Simplex ST-FC Fiber Adapter with Rectangular Mount | Metal | Ceramic | 11.45 |
| FOA-302 | Simplex SC-FC Fiber Adapter with Square Mount | Metal | Bronze | 10.10 |

Fiber Optic Coupler/Adapter Kit – Complete Flexibility

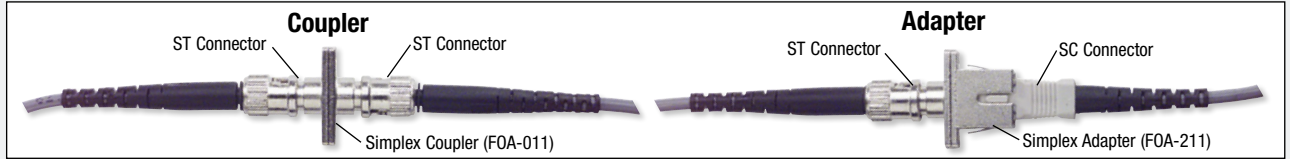
This is the most complete kit of fiber adapters and couplers we offer, allowing connections between nearly all like interfaces and adapting from one style interface to another including LC-LC (FOA-500A), MPO-MPO (FOA-MPOFB), ST-ST (FOA-001), SC-SC (FOA-002), ST-SC (FOA-201), FC-FC (FOA-003), ST-FC (FOA-301), SC-FC (FOA-302), MTRJ-MTRJ (FOA-600), SMA-SMA (FOA-004), and MU-MU (FOA-701).

| | | |
|---------|---------------------------------|-------|
| FOA-321 | Fiber Optic Coupler/Adapter Kit | 95.02 |
|---------|---------------------------------|-------|



Fiber Optic Couplers and Adapters

These devices are used to join together individual connectorized fiber assemblies. They are often used in a patch panel and are mounted on sub-panels. If the two fiber assemblies to be connected have the same style fiber connectors (ST to ST, SC to SC, etc.) then the connecting device is called a coupler. If the two fiber assemblies to be connected have different style connectors (ST to LC, SC to LC) then the connecting device is called an adapter.



Fiber Optic Coupler/Adapter Selection Matrix

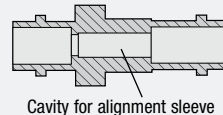
Use this matrix to locate the fiber optic coupler or adapter with the desired interface combination and with the appropriate body and alignment sleeve material.

If a specific type is not listed, please visit our web site at **L-com.com** for the latest information or call our technical support group at **800-343-1455** for assistance.

| BODY MATERIAL | | SIMPLEX | | | | | | DUPLEX | | | | QUAD | |
|---------------------------|------------------------------|-------------------------------|---|---------|----------|---------------------------|--------------------------------|----------|-----------|--------------------|--------------------------------------|---------|---------|
| | | METAL | METAL | PLASTIC | PLASTIC | PLASTIC | | METAL | METAL | PLASTIC | PLASTIC | PLASTIC | PLASTIC |
| ALIGNMENT SLEEVE MATERIAL | | BRONZE | CERAMIC | NONE | BRONZE | CERAMIC | NONE | BRONZE | CERAMIC | BRONZE | CERAMIC | BRONZE | CERAMIC |
| COUPLERS | ST to ST | FOA-001 FOA-011 | FOA-001A FOA-011A | | | | | FOA-401 | FOA-401A | | | | |
| | SC to SC | FOA-002M | FOA-002MA | | FOA-002 | FOA-002A FOA-017 (APC) | | FOA-005M | FOA-005MA | FOA-005 | FOA-005A FOA-018 (APC) | | |
| | FC to FC | FOA-003 FOA-013 FOA-033 | FOA-003A FOA-013A FOA-033A FOA-019 (APC) | | | | | | | | | | |
| | SMA906 to SMA906 | | | FOA-004 | | | | | | | | | |
| | LC to LC | | | | | FOA-500A FOA-804 (APC) | | | | FOA-802 FOA-803 | FOA-550A FOA-805 (APC) FOA-801 | FOA-560 | FOA-570 |
| | MT-RJ to MT-RJ MPO to MPO | | | | | | FOA-600 FOA-MPO FOA-MPOF | | | | | | |
| ADAPTERS | ST to SC | FOA-201 FOA-211 | FOA-211A | | | | | FOA-006M | FOA-006MA | | FOA-006 | | |
| | ST to FC | FOA-301 FOA-311 | FOA-311A | | | | | | | | | | |
| | SC to FC | FOA-302 | | | | | | | | | | | |
| | SC to LC | | | | FOA-020C | FOA-014 | | | | | | | |

Tip What are alignment sleeves?

The alignment sleeve is the most critical component of a fiber optic adapter. Bronze sleeves are more durable but the precision is not as good as ceramic. Ceramic ferrules offer a more precise alignment, but they are somewhat less durable. Bronze alignment sleeves are commonly used in multimode applications where precision alignment is not as critical.



- CERAMIC**
- Better alignment
 - More expensive
 - Typically single mode



- BRONZE**
- Better durability
 - Less expensive
 - Typically multimode

LC and SC Fiber Connector Field Termination Kit

The XPFIT-Kit connector installation kit contains everything needed to install LC or SC XPFIT connectors onto standard 900µm cable. Kit includes a fiber stripper for 250µm or 125µm fiber, a thermal buffer removal tool, replacement blades, a precision cleaver, lint free dry wipes, a fiber optic cleaning pen, Kevlar scissors, a fiber disposal unit, a fine permanent marker pen, a light source fiber checker, a 2.5mm to 1.25mm adapter and a soft carrying case to hold it all. No epoxy, polishing film or other consumables are required and there is no need for electrical power, allowing installers to get in and out of installation sites quickly and efficiently. Connectors can be terminated in less than 2 minutes.

| Item # | Description | 1-9 |
|-----------|---|---------|
| XPFIT-KIT | Fiber Optic LC/SC Field Termination Kit | 1326.28 |



XPFIT-KIT



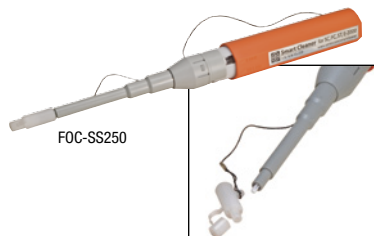
FOC-XPF-LC Series

FOC-XPF-SC Series

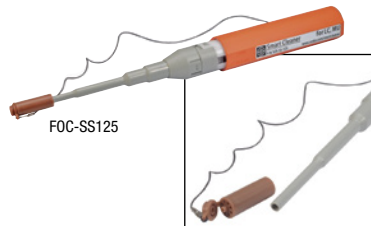
LC and SC Field Terminable Fiber Connectors

XPFIT Plus LC and SC connectors are pre-polished, pre-assembled connectors that can be terminated reliably in the field with little equipment or expertise. Each connector contains index matching gel and utilizes an internal mechanical grip to gently but effectively hold the fiber in place for installation, eliminating the need for costly splicing equipment or curing ovens. Plugs exceed TIA/EIA-568-B.3 standards. Each 12 pack of connectors comes with an assembling jig and fiber holder for 900µm tight buffered fiber as well as boots for each connector. Used with the XPFIT-KIT (sold separately), fiber termination in the field is easy and painless. See **L-com.com** for full installation instructions.

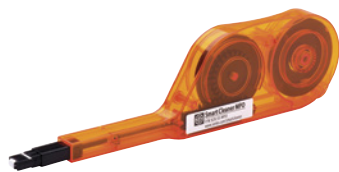
| | | |
|-----------------|---|--------|
| FOC-XPF-LC-MMBG | LC Connector for XPFIT-KIT, 62.5/125, OM1, Beige, Pkg/12 | 181.28 |
| FOC-XPF-LC-MMBK | LC Connector for XPFIT-KIT, 50/125, OM2, Black, Pkg/12 | 181.28 |
| FOC-XPF-LC-MMAQ | LC Connector for XPFIT-KIT, 50/125, OM3 10Gig, Aqua, Pkg/12 | 181.28 |
| FOC-XPF-LC-SMBL | LC Connector for XPFIT-KIT, 9/125 Single mode, Blue, Pkg/12 | 204.60 |
| FOC-XPF-SC-MMBG | SC Connector for XPFIT-KIT, 62.5/125, OM1, Beige, Pkg/12 | 182.32 |
| FOC-XPF-SC-MMBK | SC Connector for XPFIT-KIT, 50/125, OM2, Black, Pkg/12 | 182.32 |
| FOC-XPF-SC-MMAQ | SC Connector for XPFIT-KIT, 50/125, OM3 10Gig, Aqua, Pkg/12 | 182.32 |
| FOC-XPF-SC-SMBL | SC Connector for XPFIT-KIT, 9/125 Single mode, Blue, Pkg/12 | 202.01 |



FOC-SS250



FOC-SS125



FOC-SS-MPO



FOC-CA

FOC-KN

FOC-AP



FOC-EYE

How to clean fiber cable

Online Video

L-com.com/videos/A05



F01

F01REF

Tip Avoid the number one cause of fiber optic network failure

In fiber optic networks, the number one cause of network failure is not cable breakage, it's actually dirty or damaged connectors.

In a fiber optic coupling, connectors are in physical contact with each other. Picture a small rock placed between two pieces of glass and then pressed together. This is similar to what a particle of dust is in relation to the glass fiber. Note that a typical fiber's glass core is 1/10 to 1/2 the diameter of a human hair so a little dust can go a long way towards obstructing an optical signal. At right are images of common problems found on connectors installed in the field.

Connectors need to be cleaned before any connection is made. If the cable is disconnected, it needs to be cleaned again. This is a simple process especially with the Senko SMART Cleaners. Just insert the cleaner into the port and then use the same cleaner on the cable connector.



Note: One of the dust particles is larger than the fiber in the center of the connector. This dust, if it covered the fiber, would completely block the light from passing through.



| Item # | Description | List Price |
|--------|-------------|------------|
|--------|-------------|------------|

Fiber Optic Cleaner for SC, FC, and ST Connectors

The Senko Fiber Optic Cleaner for SC, FC and ST simplex connections is a dry cloth cleaner specially designed to clean single fiber connectors. The dust cap of the cleaner acts as an adapter for cleaning unmated connectors. The FOC-SS250 Fiber Optic Cleaner is simple, easy to use and highly effective at removing oil and dust contaminants that can inhibit optical performance. Cleaner gets more than 750 cleanings per unit.

| | | |
|-----------|--|-------|
| FOC-SS250 | Fiber Optic Cleaner for SC, FC and ST Connectors | 74.66 |
|-----------|--|-------|

Fiber Optic Cleaner for LC and MU Connectors

Working with LC connectors often means technicians are faced with a high density of the connectors, making it difficult to get in between to service and clean them. Using Senko's Fiber Optic Cleaner specifically made to be used with LC connectors is the perfect solution with its thin, extendable shaft that can easily get into hard to reach areas. Cleaner gets more than 750 cleanings per unit.

| | | |
|-----------|--|-------|
| FOC-SS125 | Fiber Optic Cleaner for LC and MU Connectors | 74.66 |
|-----------|--|-------|

Fiber Optic Cleaner for MPO Connectors

MPO has become a popular interface in data centers due to its high density of connections in a very small form factor. This makes it extra important to keep your MPO cables and ports clean for the best performance of your network. This easy to use cleaner will remove dirt, oil and debris from MPO connectors and ports. Its extended shaft makes it easy to get into hard to reach places without having to un-mate nearby connectors. The cleaner is disposable and gets over 600 cleanings per unit.

| | | |
|------------|--|-------|
| FOC-SS-MPO | Fiber Optic Cleaner for MPO Connectors | 82.95 |
|------------|--|-------|

Fiber Optic Consumables - Commonly Used Fiber Optic Cleaning Components

Cleaning fiber optic connections is crucial for proper optical transmission. Compressed air is great for cleaning couplers and connector ends. Kimwipes are lint free tissues, commonly used for cleaning glass surfaces.

| | | |
|--------|---|-------|
| FOC-CA | Compressed Air, 12 oz. Can | 10.83 |
| FOC-KN | 4.5" x 8.5" (11.4cm x 21.6cm) Box Kimwipes, 280 Count | 5.65 |
| FOC-AP | Pre-moistened Alcohol Pads, 20 Count | 10.62 |

Fiber Optic Pulling Eye for Duplex Cable Assemblies

A pulling eye is used to protect the terminated end of fiber cable assemblies when pulling through walls or ceilings. 16" long x 0.75" (40.6 x 1.9 cm) diameter plastic tube fits most cables with two connectors.

| | | |
|---------|------------------------|-------|
| FOC-EYE | Dual Fiber Pulling Eye | 30.72 |
|---------|------------------------|-------|

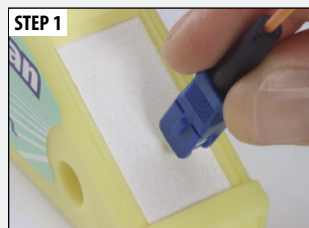
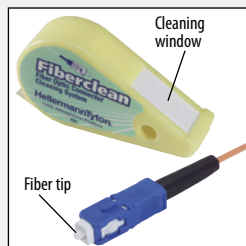
Hellermann-Tyton Fiberclean - Fiber Optic Connector Cleaning System

This is a convenient, economical and easy to use cleaning dispenser system for your fiber optic connectors. This hand held device exposes a portion of "ultra white", non-woven, lint free material sufficient to clean up to six connectors. Used cleaning material is dispensed out of the back of the unit. Up to 400 connectors can be cleaned with a single dispenser.

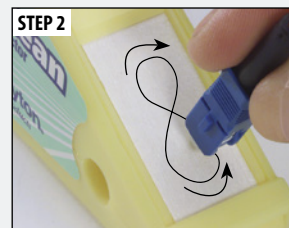
| | | |
|--------|---|-------|
| F01 | Fiberclean Dispenser with Cleaning Film | 21.24 |
| F01REF | Fiberclean Cleaning Film Refills | 16.53 |

Keep fiber cables clean to maintain performance

It is critically important for fiber optic connectors to be free of dust and dirt to maintain optimum performance. A simple and effective way to do this is to clean the ends of your fiber optic cables often when they are disconnected, as illustrated.



Softly press fiber tip in cleaning window using a figure 8 motion.



Repeat 3 times, inspecting fiber tip for cleanliness.

Tip Fiber enclosures secure sub-panels and cables

STEP 1



Install snap-in sub-panel with couplers.

STEP 2



Prepare distribution cable for installation on rear of panel by sliding tray out of case, either from the front or rear.

STEP 3



Attach feed cables to couplers on rear of panel.

STEP 4



Route and attach patching jumpers to couplers on front of panel.

STEP 5



Slide tray back into case.

STEP 6



Close cover on unit.



FE-RM1U12PSP



FE-WM24PP



FE-ST7MC

FE-STMAB

Item # Description List Price

19 Inch (48.3cm) Rack Mounted Fiber Enclosures - For Splice Trays and Fiber Patch Panels

| | | |
|--------------|---|--------|
| FE-RM1U12PSP | Fiber Enclosure Rack Mount, 1U, with 3 FSP Series Sub-Panel Openings | 207.19 |
| FE-RM2U24PSP | Fiber Enclosure Rack Mount, 2U, with 4 FSP Series Sub-Panel Openings | 233.09 |
| FE-RM3U48PSP | Fiber Enclosure Rack Mount, 3U, with 8 FSP Series Sub-Panel Openings | 269.36 |
| FE-RM4U72PSP | Fiber Enclosure Rack Mount, 4U, with 12 FSP Series Sub-Panel Openings | 279.72 |

Wall Mounted Fiber Enclosures - To Mount Splice Trays and Fiber Patch Panels

| | | |
|-----------|--|-------|
| FE-WM12PP | Fiber Enclosure Wall Mount, with 2 FSP Series Sub-Panel Openings | 93.21 |
| FE-WM24PP | Fiber Enclosure Wall Mount, with 4 FSP Series Sub-Panel Openings | 97.35 |

Splice Trays for Fiber Splices - Terminations and Distribution in Fiber Enclosures

| | | |
|------------|--|-------|
| FE-ST7MC | Fiber Enclosure Splice Tray, 7 in (17.8 cm) with Metal Cover | 20.67 |
| FE-ST7PC | Fiber Enclosure Splice Tray, 7 in (17.8 cm) with Lexan® Cover | 18.60 |
| FE-ST875MC | Fiber Enclosure Splice Tray, 8.75 in (22.2 cm) with Metal Cover | 23.78 |
| FE-ST875PC | Fiber Enclosure Splice Tray, 8.75 in (22.2 cm) with Lexan® Cover | 20.67 |

Splice Tray Mounting Assembly Bracket with Accessories

| | | |
|----------|--|-------|
| FE-STMAB | Splice Tray Mounting Assembly Bracket with Accessories | 15.54 |
|----------|--|-------|

Sub-Panels for FSP Series Patch Panels, FE & FSP DIN Rail Mount Enclosures

| | | |
|-----------------|--|--------|
| FSP-BNK | Blank Sub-Panel | 14.46 |
| FSP-SCMTLC-BNK | Blank Sub-Panel with 6 SC Simplex/MT-RJ/LC Duplex Openings | 14.46 |
| FSP-LCD6-BR | Fiber Sub-Panel, 6 LC Duplex Couplers, Bronze Sleeve | 45.54 |
| FSP-LCD6-CR | Fiber Sub-Panel, 6 LC Duplex Couplers, Ceramic Sleeve | 60.05 |
| FSP-SC-APC | Fiber Sub-Panel, 6 APC SC Simplex Couplers, Ceramic Sleeve | 82.84 |
| FSP-SC-BR | Fiber Sub-Panel, 6 SC Simplex Couplers, Bronze Sleeve | 41.40 |
| FSP-SC-CR | Fiber Sub-Panel, 6 SC Simplex Couplers, Ceramic Sleeve | 51.76 |
| FSP-STFC-BNK | Blank Sub-Panel with 6 ST/FC Simplex Openings | 14.46 |
| FSP-ST-BR | Fiber Sub-Panel, 6 ST Couplers, Bronze Sleeve | 38.29 |
| FSP-ST-CR | Fiber Sub-Panel, 6 ST Couplers, Ceramic Sleeve | 54.87 |
| FSP-SCDLCQ6-BNK | Blank Sub-Panel with 6 SC Duplex/LC Quad Openings | 17.56 |
| FSP-LCD6-10G | Fiber Sub-Panel, 6 LC Duplex 10G Couplers, Bronze Sleeve | 48.65 |
| FSP-LCQ6-BR | Fiber Sub-Panel, 6 LC Duplex Couplers, Bronze Sleeve | 126.36 |
| FSP-LCQ6-CR | Fiber Sub-Panel, 6 LC Duplex Couplers, Ceramic Sleeve | 154.34 |
| FSP-SCD6-APC | Fiber Sub-Panel, 6 SC Duplex Couplers, Ceramic Sleeve | 143.98 |
| FSP-SCD6-BR | Fiber Sub-Panel, 6 SC Duplex Couplers, Bronze Sleeve | 54.87 |
| FSP-SCD6-CR | Fiber Sub-Panel, 6 SC Duplex Couplers, Ceramic Sleeve | 72.48 |
| FSP-ECF-BNK | Blank Sub-Panel with 3 ECF Style Openings | 14.46 |
| FSP-05D-BNK | Blank Sub-Panel with (4) 0.5" (1.3cm) D-Hole Openings | 14.46 |
| FSP-KYSTN-BNK | Blank Sub Panel with 4 Keystone Style Openings | 20.67 |

Plunger and Grommet Kit for FSP Series Sub-Panels - Pkg/50

| | | |
|---------------|---|-------|
| FSP-FASTENERS | Plunger and Grommet Kit for FSP Series Sub-Panels, Pkg/50 | 30.00 |
|---------------|---|-------|

Item # Description Color List Price

MPO Cassettes for FSP Series Patch Panels, FE and FSP DIN Rail Mount Enclosures

Used for connecting MPO trunk cables and splitting them out to various patch cables.

| | | | |
|------------------|--|-------|--------|
| FSP-MPO-SC12-OM2 | MPO Cassette 1-MPO-M/12 SC OM2 | Beige | 310.81 |
| FSP-MPO-LC24-OM3 | MPO Cassette 2-MPO-M/24 LC OM3 | Aqua | 585.40 |
| FSP-MPO-LC24-OS1 | MPO Cassette 2-MPO-M/24 LC Single mode | Blue | 600.94 |

Fiber Sub-Panels



FSP-BNK



FSP-SC-BR
FSP-SC-CR



FSP-SCD6-BR
FSP-SCD6-CR



FSP-SCD6-APC



FSP-LCQ6-BR
FSP-LCQ6-CR



FSP-LCD6-CR



FSP-ECF-BNK



FSP-05D-BNK



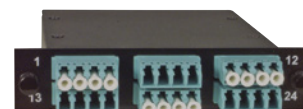
FSP-FASTENERS
Pkg/50



FSP-KYSTN-BNK



FSP-MPO-SC12-OM2



FSP-MPO-LC24-OM3



Patch Panels/Racks Tutorial

What are racks, enclosures and patch panels?

Racks, enclosures and patch panels are typically constructed of steel, sheet metal and plastic and are used to secure and organize cables and communications equipment in a data center.

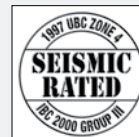
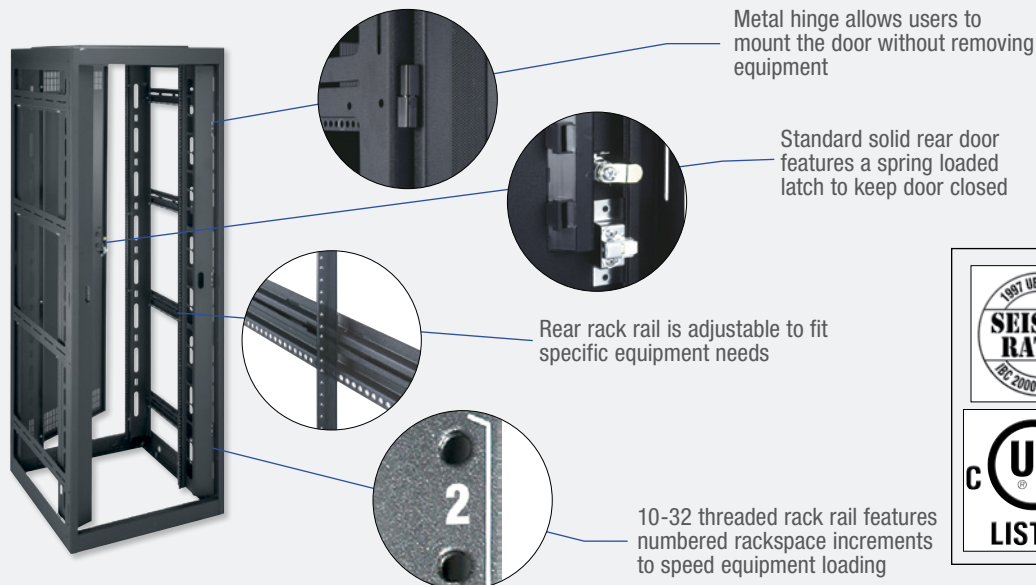
How are racks, enclosures and patch panels used?

Patch panels are screwed into the racks and enclosures. Patch panels are populated with couplers and adapters of various types which allow connection points for patch cables.

Where are racks, enclosures and patch panels used?

Racks, enclosures and patch panels are mostly used in data closets and larger data centers and are used by commercial business, governments, the military and many other industries.

Rack and Enclosure Construction



Seismic Rated to Uniform Building Code Zone 4 for up to 1,000 lbs (454.5kg) of equipment when installed with WRK-Z4 Mounting Bracket



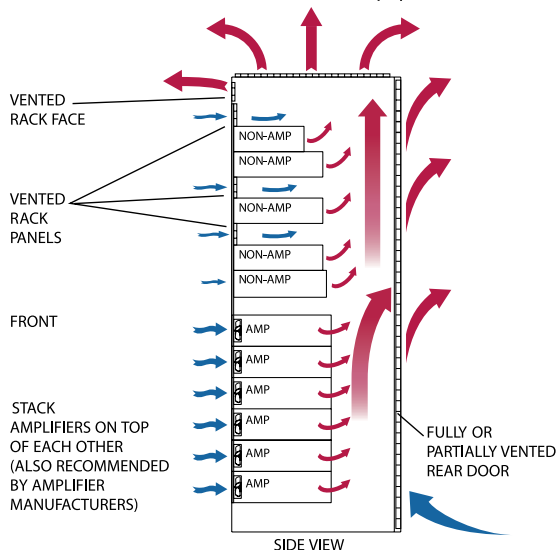
Enclosures are UL Listed with a weight capacity of up to 2,500 lbs (1136.4kg)



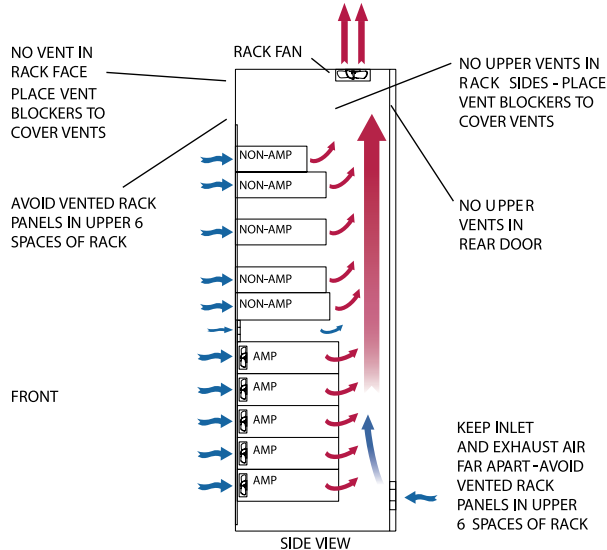
The racks and enclosures manufactured by Middle Atlantic Products have been designed specifically to address both the needs of the equipment that is being mounted, as well as to address any limitations or restrictions of the jobsite. In addition, these racks are contractor-friendly and have been designed with many essential time-saving features.

Thermal Management Best Practices

PROPER PASSIVE CONVECTION
with front-intakes on equipment



PROPER FORCED AIR
with front-intakes on equipment



Server Cabinet



- Fully vented front and split rear doors
- Fully vented top
- Temperature sensor
- Cable management
- Power distribution
- Cage nut rackrail
- Hardware
- Other options available

WMRK Series

Security Cabinet



- Fully welded construction, open sides
- 2,500 lb (1136.4kg) weight capacity
- Seismic certified (1994 UBC for seismic zone 4) for protecting 1,000 lbs (454.5kg) of essential equipment when used in conjunction with the WRK-Z4 brackets
- Generous 24.25" (61.6cm) OD width provides room for cables
- 2 extra-wide pairs of 10-32 threaded rackrail standard
- Grounding and bonding stud installed in base

WRK Series

Network Cabinet



- 30" (76.2cm) OD width, 31.5" (80cm), 36" (91.4cm) and 42" (106.7cm) OD depth
- Fully welded construction provides a 2,500 lb (1136.4kg) weight capacity
- Seismic certified (UBC 1997 & CBC 1998 Zone 4; IBC 2000, IBC 2003, ASCE7-01, NFPA 5000 Seismic Use Group III) for protecting 750 lbs (340.9kg) of essential equipment when used in conjunction with the MRK-Z4 brackets
- Vented rear door standard
- .125" (0.3cm) thick structural steel internal braces include 100 rack screws
- Grounded and bonding stud installed in base

DRK Series

| Item # | Racking Height | Overall Height | Shipping Weight | 1-9 | 10-24 | 25-99 | 100+ |
|--------|----------------|----------------|-----------------|-----|-------|-------|------|
|--------|----------------|----------------|-----------------|-----|-------|-------|------|

36-42" (91.4cm - 106.7cm) Outside Depth Server Cabinets, with or without Side Panels

| | | | | | | | |
|-----------------|-----------------------------|------------------|-------------------|---------|---------|---------|------|
| WMRK-2436SVR | 42" (106.7cm) (24 Space) | 48.63" (123.5cm) | 270 lbs (122.7kg) | 2993.22 | 2933.36 | 2813.63 | CALL |
| WMRK-2436SVR-AB | 42" (106.7cm) (24 Space) | 48.63" (123.5cm) | 205 lbs (93.2kg) | 2384.15 | 2336.47 | 2241.10 | CALL |
| WMRK-4236SVR | 73.50" (186.7cm) (42 Space) | 80.07" (203.4cm) | 230 lbs (122.7kg) | 3345.06 | 3278.15 | 3144.35 | CALL |
| WMRK-4236SVR-AB | 73.50" (186.7cm) (42 Space) | 80.07" (203.4cm) | 165 lbs (104.5kg) | 2555.64 | 2504.53 | 2402.31 | CALL |
| WMRK-4242SVR | 73.50" (186.7cm) (42 Space) | 80.07" (203.4cm) | 245 lbs (111.4kg) | 3564.29 | 3493.00 | 3350.43 | CALL |
| WMRK-4242SVR-AB | 73.50" (186.7cm) (42 Space) | 80.07" (203.4cm) | 180 lbs (81.8kg) | 2736.86 | 2682.13 | 2572.65 | CALL |

27.5" (69.9cm) Outside Depth 25.75" (65.4cm) Stand Alone, Non-Gangable Network Enclosures with Side Panels

| | | | | | | | |
|----------------|-----------------------------|------------------|-------------------|---------|---------|---------|------|
| WRKSA-2427 | 42" (106.7cm) (24 Space) | 48.13" (122.3cm) | 146 lbs (66.4kg) | 1148.32 | 1125.35 | 1079.42 | CALL |
| WRKSA-3727 | 64.75" (164.5cm) (37 Space) | 70.88" (180.0cm) | 202 lbs (91.8kg) | 1307.44 | 1281.29 | 1228.99 | CALL |
| WRKSA-4027 | 70" (177.8cm) (40 Space) | 76.13" (193.4cm) | 212 lbs (96.4kg) | 1394.95 | 1367.05 | 1311.25 | CALL |
| WRKSA-4427 | 77" (195.6cm) (44 Space) | 83.13" (211.2cm) | 226 lbs (102.7kg) | 1439.15 | 1410.37 | 1352.80 | CALL |
| WRKSA-4427LRD* | 77" (195.6cm) (44 Space) | 83.13" (211.2cm) | 195 lbs (88.6kg) | 1307.44 | 1281.29 | 1228.99 | CALL |

*Enclosure does not include rear door

32.5" (82.6cm) Outside Depth 30.75" (78.1cm) Stand Alone, Non-Gangable Network Enclosures with Side Panels

| | | | | | | | |
|----------------|-----------------------------|------------------|-------------------|---------|---------|---------|------|
| WRKSA-2432 | 42" (106.7cm) (24 Space) | 48.13" (122.3cm) | 164 lbs (74.5kg) | 1249.09 | 1224.11 | 1174.15 | CALL |
| WRKSA-3732 | 64.75" (164.5cm) (37 Space) | 70.88" (180.0cm) | 218 lbs (99.1kg) | 1394.95 | 1367.05 | 1311.25 | CALL |
| WRKSA-4032 | 70" (177.8cm) (40 Space) | 76.13" (193.4cm) | 234 lbs (106.4kg) | 1424.12 | 1395.64 | 1338.68 | CALL |
| WRKSA-4432 | 77" (195.6cm) (44 Space) | 83.13" (211.2cm) | 250 lbs (113.6kg) | 1554.07 | 1522.99 | 1460.83 | CALL |
| WRKSA-4432LRD* | 77" (195.6cm) (44 Space) | 83.13" (211.2cm) | 212 lbs (96.4kg) | 1424.12 | 1395.64 | 1338.68 | CALL |

*Enclosure does not include rear door

27.5" (69.9cm) Outside Depth 25.75" (65.4cm) Gangable Security/Data Cabinet Enclosures without Side Panels

| | | | | | | | |
|--------------|-----------------------------|------------------|------------------|---------|---------|---------|------|
| WRK-2427 | 42" (106.7cm) (24 Space) | 48.13" (122.3cm) | 124 lbs (56.4kg) | 1118.26 | 1095.89 | 1051.16 | CALL |
| WRK-3727 | 64.75" (164.5cm) (37 Space) | 70.88" (180.0cm) | 160 lbs (72.7kg) | 1264.12 | 1238.84 | 1188.27 | CALL |
| WRK-4027 | 70" (177.8cm) (40 Space) | 76.13" (193.4cm) | 168 lbs (76.4kg) | 1351.64 | 1324.60 | 1270.54 | CALL |
| WRK-4427 | 77" (195.6cm) (44 Space) | 83.13" (211.2cm) | 176 lbs (80.0kg) | 1394.95 | 1367.05 | 1311.25 | CALL |
| WRK-4427LRD* | 77" (195.6cm) (44 Space) | 83.13" (211.2cm) | 152 lbs (69.1kg) | 1264.12 | 1238.84 | 1188.27 | CALL |

*Enclosure does not include rear door

32.5" (82.6cm) Outside Depth 30.75" (78.1cm) Gangable Security/Data Cabinet Enclosures without Side Panels

| | | | | | | | |
|--------------|-----------------------------|------------------|------------------|---------|---------|---------|------|
| WRK-2432 | 42" (106.7cm) (24 Space) | 48.13" (122.3cm) | 138 lbs (62.7kg) | 1190.75 | 1166.93 | 1119.30 | CALL |
| WRK-3732 | 64.75" (164.5cm) (37 Space) | 70.88" (180.0cm) | 178 lbs (80.9kg) | 1322.46 | 1296.01 | 1243.12 | CALL |
| WRK-4032 | 70" (177.8cm) (40 Space) | 76.13" (193.4cm) | 184 lbs (83.6kg) | 1379.92 | 1352.33 | 1297.13 | CALL |
| WRK-4432 | 77" (195.6cm) (44 Space) | 83.13" (211.2cm) | 181 lbs (82.3kg) | 1439.15 | 1410.37 | 1352.80 | CALL |
| WRK-4432LRD* | 77" (195.6cm) (44 Space) | 83.13" (211.2cm) | 161 lbs (73.2kg) | 1307.44 | 1281.29 | 1228.99 | CALL |

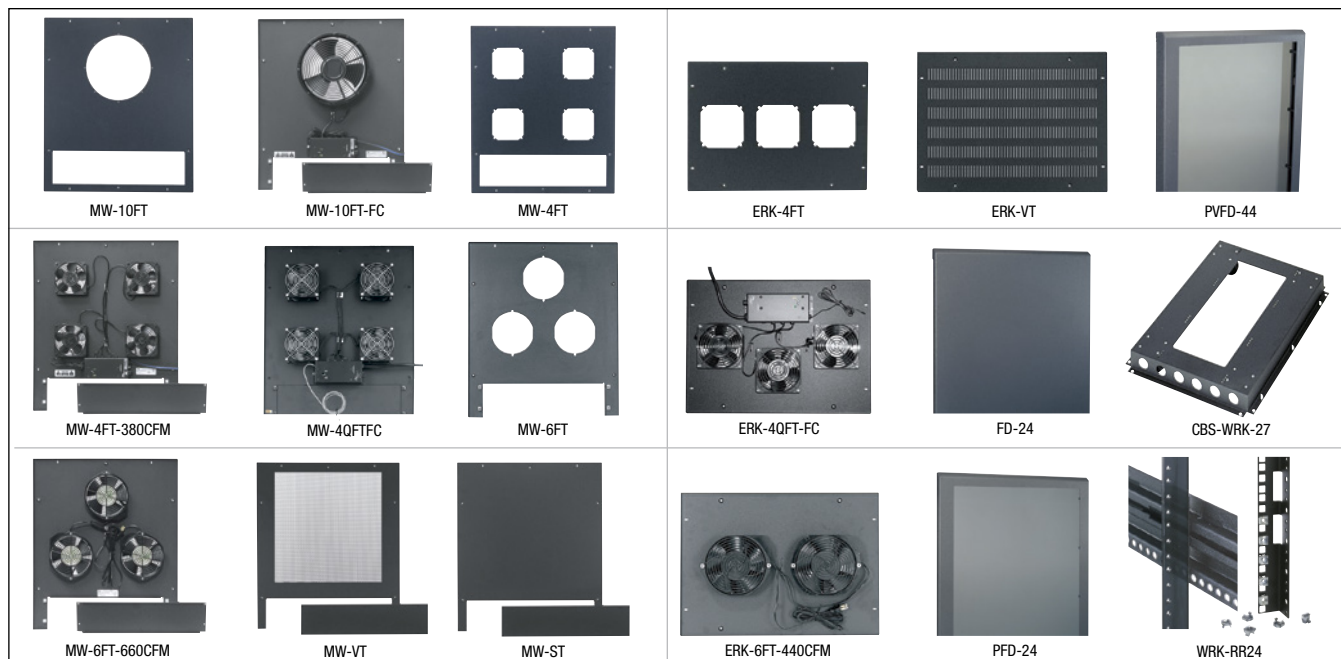
*Enclosure does not include rear door

DRK Series 31.5" (80.0cm), 36" (91.4cm) and 42" (106.7cm) Networking Cabinet, Deep Enclosures with Vented Rear Door

| | | | | | | | |
|----------------|--------------------------|------------------|-------------------|---------|---------|---------|------|
| DRK19-44-31 | 77" (195.6cm) (44 Space) | 83.50" (212.1cm) | 195 lbs (88.6kg) | 2118.06 | 2075.70 | 1990.98 | CALL |
| DRK19-44-31PRO | 77" (195.6cm) (44 Space) | 83.50" (212.1cm) | 195 lbs (88.6kg) | 2214.42 | 2170.13 | 2081.55 | CALL |
| DRK19-44-36 | 77" (195.6cm) (44 Space) | 83.50" (212.1cm) | 220 lbs (100.0kg) | 2369.12 | 2321.74 | 2226.97 | CALL |
| DRK19-44-36PRO | 77" (195.6cm) (44 Space) | 83.50" (212.1cm) | 220 lbs (100.0kg) | 2466.36 | 2417.03 | 2318.38 | CALL |
| DRK19-44-42 | 77" (195.6cm) (44 Space) | 83.50" (212.1cm) | 240 lbs (109.1kg) | 2682.94 | 2629.28 | 2521.96 | CALL |
| DRK19-44-42PRO | 77" (195.6cm) (44 Space) | 83.50" (212.1cm) | 240 lbs (109.1kg) | 2781.06 | 2725.44 | 2614.20 | CALL |

R4CN Series 19" (48.3cm) Relay and 4 Post Universal Rack Enclosures with Cage Nut Rackrails

| | | | | | | | |
|------------|-----------------------------|------------------|-----------------|---------|---------|---------|------|
| R4CN-4524B | 78.75" (200.0cm) (45 Space) | 84.22" (213.9cm) | 72 lbs (32.7kg) | 801.79 | 785.75 | 753.68 | CALL |
| R4CN-4530B | 78.75" (200.0cm) (45 Space) | 84.22" (213.9cm) | 85 lbs (38.6kg) | 977.70 | 958.15 | 919.04 | CALL |
| R4CN-4536B | 78.75" (200.0cm) (45 Space) | 84.22" (213.9cm) | 78 lbs (35.5kg) | 1059.92 | 1038.72 | 996.32 | CALL |
| R4CN-5124B | 91" (231.1cm) (52 Space) | 96.47" (245.0cm) | 76 lbs (34.5kg) | 868.97 | 851.59 | 816.83 | CALL |
| R4CN-5130B | 91" (231.1cm) (52 Space) | 96.47" (245.0cm) | 79 lbs (35.9kg) | 1016.60 | 996.27 | 955.60 | CALL |
| R4CN-5136B | 91" (231.1cm) (52 Space) | 96.47" (245.0cm) | 82 lbs (37.3kg) | 1103.23 | 1081.17 | 1037.04 | CALL |



| Item # | Description | Shipping Weight | 1-9 | 10-24 | 25-99 | 100+ |
|---|--|-----------------|--------|--------|--------|------|
| Top Plate Options - For WRKSA, WRK and DRK Series Enclosures | | | | | | |
| MW-10FT | 10" (25.4cm) Fan Top (Excluding Fan) | 11 lbs (5.0kg) | 62.76 | 61.51 | 59.00 | CALL |
| MW-10FT-FC | Integrated 10" (25.4cm) Fan Top, Includes 1 Fan and Proportional Speed Fan Control | 15 lbs (6.8kg) | 615.26 | 602.96 | 578.35 | CALL |
| MW-10FT-550CFM | Integrated 10" (25.4cm) Fan Top, Includes 1 Fan, 550 Cfm | 16 lbs (7.3kg) | 464.10 | 454.82 | 436.25 | CALL |
| MW-4FT | 4.5" (11.4cm) Fan Top (Excluding Fans) | 13 lbs (5.9kg) | 62.76 | 61.51 | 59.00 | CALL |
| MW-4FT-380CFM | Integrated 4.5" (11.4cm) Fan Top, Includes 4 Fans | 18 lbs (8.2kg) | 428.74 | 420.17 | 403.02 | CALL |
| MW-4QFTFC | Integrated 4.5" (11.4cm) Fan Top, Includes 4 Quiet Fans | 16 lbs (7.3kg) | 733.72 | 719.05 | 689.70 | CALL |
| MW-6FT | 6" (15.2cm) Fan Top (Excluding Fans) | 13 lbs (5.9kg) | 62.76 | 61.51 | 59.00 | CALL |
| MW-6FT-660CFM | Integrated 6" (15.2cm) Fan Top, Includes 3 Fans | 14 lbs (6.4kg) | 540.12 | 529.32 | 507.72 | CALL |
| MW-LVT | 64% Open Area Top | 10 lbs (4.5kg) | 93.70 | 91.83 | 88.08 | CALL |
| MW-VT | Vented Top Plate | 12 lbs (5.5kg) | 62.76 | 61.51 | 59.00 | CALL |
| MW-ST | Solid Top Plate | 10 lbs (4.5kg) | 62.76 | 61.51 | 59.00 | CALL |

Top Options Server Cabinet

| | | | | | | |
|----------------|---|----------------|--------|--------|--------|------|
| ERK-4FT | 4.5" (11.4cm) Fan Top (Excluding Fans) | 6 lbs (2.7kg) | 50.39 | 49.38 | 47.36 | CALL |
| ERK-4FT-285CFM | Integrated 4.5" (11.4cm) Fan Top, Includes 3 Fans | 11 lbs (5.0kg) | 336.80 | 330.07 | 316.60 | CALL |
| ERK-4QFT-FC | Integrated 4.5" (11.4cm) Fan Top, Includes 3 Quiet Fans | 11 lbs (5.0kg) | 607.31 | 595.16 | 570.87 | CALL |
| ERK-6FT | 6" (15.2cm) Fan Top (Excluding Fans) | 6 lbs (2.7kg) | 48.62 | 47.65 | 45.70 | CALL |
| ERK-6FT-440CFM | Integrated 6" (15.2cm) Fan Top, Includes 2 Fans | 9 lbs (4.1kg) | 387.19 | 379.45 | 363.96 | CALL |
| ERK-ST | Solid Top for any Wmkr or Erk Series Rack | 6 lbs (2.7kg) | 50.39 | 49.38 | 47.36 | CALL |
| ERK-VT | Vented Top for any Wmkr or Erk Series Rack | 6 lbs (2.7kg) | 50.39 | 49.38 | 47.36 | CALL |

Solid Front Door Options - For WRKSA and WRK Series Enclosures

| | | | | | | |
|-------|--|-----------------|--------|--------|--------|------|
| FD-24 | Solid Front Door for 42" (106.7cm) Enclosures | 23 lbs (10.5kg) | 220.12 | 215.71 | 206.91 | CALL |
| FD-37 | Solid Front Door for 64.75" (164.5cm) Enclosures | 44 lbs (20.0kg) | 275.81 | 270.29 | 259.26 | CALL |
| FD-40 | Solid Front Door for 70" (177.8cm) Enclosures | 46 lbs (20.9kg) | 284.65 | 278.96 | 267.57 | CALL |
| FD-44 | Solid Front Door for 77" (195.6cm) Enclosures | 52 lbs (23.6kg) | 292.60 | 286.75 | 275.05 | CALL |

Plexi Front Door Options - For WRKSA and WRK Series Enclosures

| | | | | | | |
|--------|--|-----------------|--------|--------|--------|------|
| PFD-24 | Plexi Front Door for 42" (106.7cm) Enclosures | 19 lbs (8.6kg) | 382.77 | 375.12 | 359.81 | CALL |
| PFD-37 | Plexi Front Door for 64.75" (164.5cm) Enclosures | 50 lbs (22.7kg) | 581.67 | 570.04 | 546.77 | CALL |
| PFD-40 | Plexi Front Door for 70" (177.8cm) Enclosures | 52 lbs (23.6kg) | 617.03 | 604.69 | 580.01 | CALL |
| PFD-44 | Plexi Front Door for 77" (195.6cm) Enclosures | 58 lbs (26.4kg) | 660.35 | 647.14 | 620.73 | CALL |

Vented Front Door Options - For WRKSA and WRK Series Enclosures

| | | | | | | |
|--------|---|-----------------|--------|--------|--------|------|
| VFD-24 | Vented Front Door for 42" (106.7cm) Enclosures | 20 lbs (9.1kg) | 307.63 | 301.48 | 289.17 | CALL |
| VFD-37 | Vented Front Door for 64.75" (164.5cm) Enclosures | 38 lbs (17.3kg) | 380.12 | 372.52 | 357.31 | CALL |
| VFD-40 | Vented Front Door for 70" (177.8cm) Enclosures | 44 lbs (20.0kg) | 403.99 | 395.91 | 379.75 | CALL |
| VFD-44 | Vented Front Door for 77" (195.6cm) Enclosures | 48 lbs (21.8kg) | 439.35 | 430.56 | 412.99 | CALL |

Vented Plexi Front Door Options - For WRKSA and WRK Series Enclosures

| | | | | | | |
|---------|--|-----------------|--------|--------|--------|------|
| PVFD-44 | Vented Plexi Front Door for 77" (195.6cm) Enclosures | 50 lbs (22.7kg) | 856.60 | 839.46 | 805.20 | CALL |
|---------|--|-----------------|--------|--------|--------|------|

Caster Base Options - For WRKSA and WRK Series Enclosures

| | | | | | | |
|------------|--|-----------------|--------|--------|--------|------|
| CBS-WRK-27 | Caster Base for 27" (68.6cm) Depth Enclosures, 1300 lbs (590.9kg) Capacity | 24 lbs (10.9kg) | 195.36 | 191.46 | 183.64 | CALL |
| CBS-WRK-32 | Caster Base for 32" (81.3cm) Depth Enclosures, 1300 lbs (590.9kg) Capacity | 27 lbs (12.3kg) | 218.35 | 213.98 | 205.25 | CALL |

Rack Rail Options - For WRKSA and WRK Series Enclosures

| | | | | | | |
|----------|--|------------------|--------|--------|--------|------|
| WRK-RR24 | Rail Kit, 10-32 Threads, 24U WRK Series Enclosures | 12 lbs (5.5kg) | 112.27 | 110.02 | 105.53 | CALL |
| WRK-RR37 | Rail Kit, 10-32 Threads, 37U WRK Series Enclosures | 15 lbs (6.8kg) | 124.64 | 122.15 | 117.17 | CALL |
| WRK-RR40 | Rail Kit, 10-32 Threads, 40U WRK Series Enclosures | 17.3 lbs (7.9kg) | 133.48 | 130.81 | 125.47 | CALL |



| Item # | Description | Spaces | Height | Shipping Weight | 1-9 | 10-24 | 25-99 | 100+ |
|--------|-------------|--------|--------|-----------------|-----|-------|-------|------|
|--------|-------------|--------|--------|-----------------|-----|-------|-------|------|

19" (48.3cm) Relay/Frame Racks - Rugged Telecom Equipment and Patch Panel Mounting

For the highest quality rack system choose the Middle Atlantic 19" (48.3cm) Relay Rack. Constructed with 11-gauge 10-32 threaded steel side channels, this rack can handle up to 400 lbs (181.8kg) of equipment and cabling. Incorporating a self-squaring, self-leveling design greatly reduces assembly time. Unique gusseted base means no shimming on uneven floors.

| | | | | | | | | |
|-------|-----------------------------|----|------------------|-----------------|--------|--------|--------|------|
| DCR38 | 19" (48.3cm) Relay Rack Kit | 38 | 72.00" (182.9cm) | 36 lbs (16.3kg) | 298.79 | 292.82 | 280.86 | CALL |
| DCR45 | 19" (48.3cm) Relay Rack Kit | 45 | 84.00" (213.4cm) | 38 lbs (17.2kg) | 317.36 | 311.01 | 298.31 | CALL |

2 Post Relay Rack

| | | | | | | | | |
|-------------|---|----|------------------|-------------|--------|--------|--------|------|
| RLA19-1245B | Aluminum Open Frame Rack | 45 | 78.75" (200cm) | 39 (17.7kg) | 247.52 | 242.57 | 232.67 | CALL |
| RLA-CC | Cable Management Duct For Rla Series Open Frame Racks | 45 | 77.00" (195.6cm) | 20 (9.1kg) | 331.50 | 324.87 | 311.61 | CALL |

19" (48.3cm) Wall Mount Pivoting Rack Cabinets with Security Door

The DWR series wall mount pivoting rack cabinets allow users an ideal method for securing equipment in a compact, lockable wall cabinet. The Wall Mount Pivoting Rack Cabinets feature fully welded construction with heavy-duty hinges for supporting heavy electronics. With abundant cable lacing points, cable pathways and proper cable bend radius can be maintained throughout the cabinet. Cabinet is shipped fully assembled with a plexiglass front door.

| | | | | | | | | |
|------------|---|----|------------------|------------------|---------|---------|---------|------|
| DWR-1017PD | 19" (48.3cm) Wall Mount Pivoting Rack Cabinet | 10 | 17.50" (44.5cm) | 86 lbs (39.1kg) | 731.95 | 717.31 | 688.03 | CALL |
| DWR-1617PD | 19" (48.3cm) Wall Mount Pivoting Rack Cabinet | 16 | 28.00" (71.1cm) | 110 lbs (50.0kg) | 901.68 | 883.65 | 847.58 | CALL |
| DWR-2417PD | 19" (48.3cm) Wall Mount Pivoting Rack Cabinet | 24 | 42.00" (106.7cm) | 138 lbs (62.7kg) | 1147.43 | 1124.48 | 1078.59 | CALL |

19" (48.3cm) Wall Mount Rack Cabinet

The SBX series wall mount rack cabinet features standard 18-gauge all steel construction and a removable backpan for simpler wall mounting. The backpan and cabinet top/bottom have laser cut electrical knockouts for easier cable installation. A locking front door secures valuable equipment inside and swings a full 180 degrees on a heavy-duty hinge allowing easy access to equipment.

| | | | | | | | | |
|--------|--------------------------------------|----|-----------------|-----------------|--------|--------|--------|------|
| SBX-10 | 19" (48.3cm) Wall Mount Rack Cabinet | 10 | 17.50" (44.5cm) | 50 lbs (22.7kg) | 483.55 | 473.88 | 454.54 | CALL |
|--------|--------------------------------------|----|-----------------|-----------------|--------|--------|--------|------|

19" (48.3cm) Low Profile Wall Mounted Rack Enclosures

The low profile wall mounted rack enclosures offer a secure housing for rackmountable equipment up to 23" (58.4cm) in depth. The top cover is keyed separately from the hinged door providing user access to equipment controls while restricting access to rear connections within the enclosure. Enclosures are available in 4-8U rack heights and support up to 150lbs (68.2kg).

| | | | | | | | | |
|-------|--|---|-----------------|-----------------|--------|--------|--------|------|
| WRS-4 | 19" (48.3cm) Low Profile Wall Mounted Rack Enclosure | 4 | 7.00" (17.8cm) | 50 lbs (22.7kg) | 492.39 | 482.54 | 462.84 | CALL |
| WRS-6 | 19" (48.3cm) Low Profile Wall Mounted Rack Enclosure | 6 | 10.50" (26.7cm) | 60 lbs (27.3kg) | 510.95 | 500.73 | 480.29 | CALL |
| WRS-8 | 19" (48.3cm) Low Profile Wall Mounted Rack Enclosure | 8 | 14.00" (35.6cm) | 65 lbs (29.5kg) | 575.48 | 563.97 | 540.95 | CALL |

Wall Mountable 19" (48.3cm) Relay Racks - Great for Telecom Equipment

These wall mountable relay racks are especially useful when a stand up 19" (48.3cm) rack can't be used due to floor space limitations. Units come in 12" (30.5cm) or 18" (45.7cm) depths and various rack heights. Rugged steel construction and black powder coat finish. Rack screws included.

| | | | | | | | | |
|--------|-----------------------------------|----|------------------|-----------------|--------|--------|--------|------|
| WM812 | 12" (30.5cm) Deep Wall Mount Rack | 8 | 14.00" (35.6cm) | 18 lbs (8.2kg) | 189.18 | 185.39 | 177.83 | CALL |
| WM1512 | 12" (30.5cm) Deep Wall Mount Rack | 15 | 26.25" (66.7cm) | 19 lbs (8.6kg) | 194.48 | 190.59 | 182.81 | CALL |
| WM3012 | 12" (30.5cm) Deep Wall Mount Rack | 30 | 52.50" (133.4cm) | 28 lbs (12.7kg) | 228.07 | 223.51 | 214.39 | CALL |
| WM818 | 18" (45.7cm) Deep Wall Mount Rack | 8 | 14.00" (35.6cm) | 23 lbs (10.5kg) | 217.46 | 213.11 | 204.42 | CALL |
| WM1518 | 18" (45.7cm) Deep Wall Mount Rack | 15 | 26.25" (66.7cm) | 23 lbs (10.5kg) | 237.80 | 233.04 | 223.53 | CALL |
| WM3018 | 18" (45.7cm) Deep Wall Mount Rack | 30 | 52.50" (133.4cm) | 28 lbs (12.7kg) | 263.43 | 258.16 | 247.63 | CALL |

19" (48.3cm) Swing Frame Wall Racks - Sturdy, Effective Wall or Corner Mounting Device

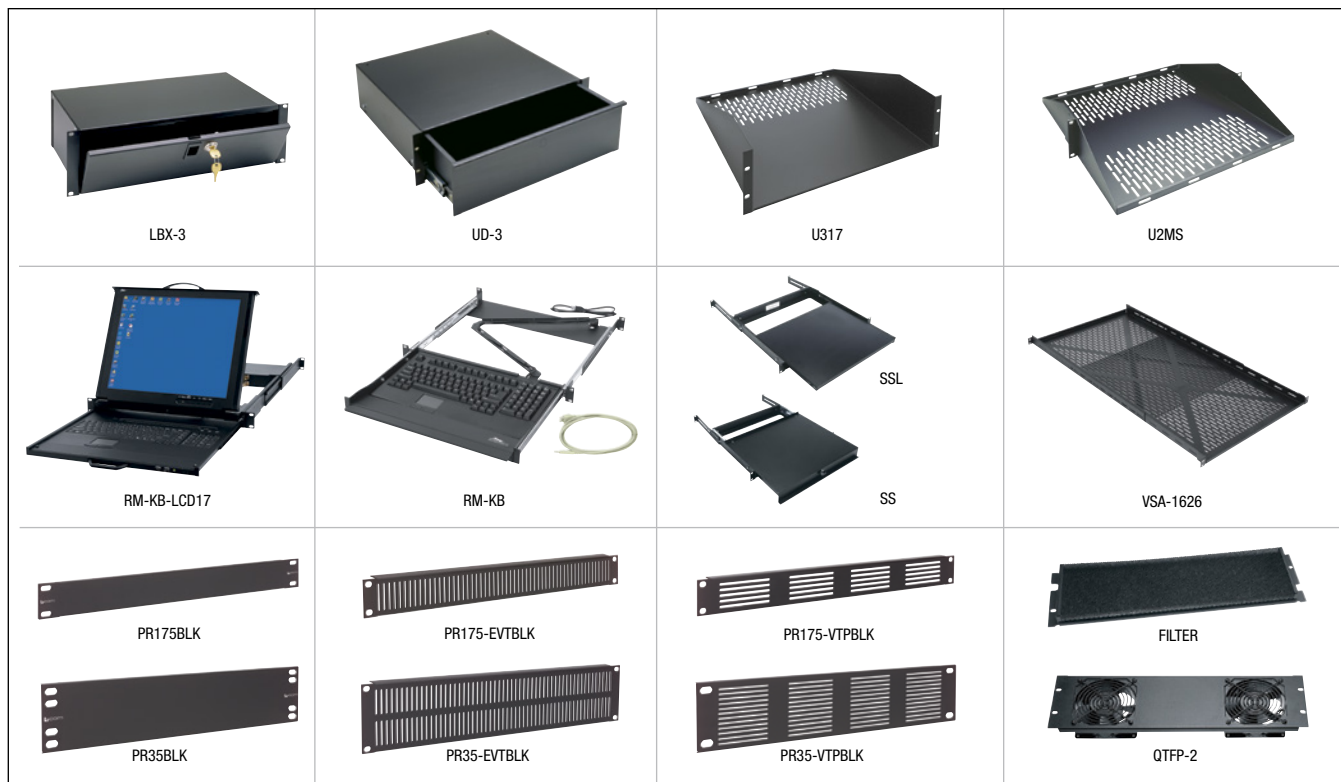
These swing gate wall racks are available in two heights with 12" (30.5cm) and 18" (45.7cm) depths. Rails are 10-32 thread with standard EIA hole spacing. Nominal 150 lb (68.2kg) capacity. They have convenient tie points and velcro loops for maximum internal cable management. EIA, TIA, RETMA compliant.

| | | | | | | | | |
|-----------|-------------------------------------|----|------------------|-----------------|--------|--------|--------|------|
| SFR-20-12 | Swing Frame Rack, 12" (30.5cm) Deep | 20 | 35.00" (88.9cm) | 38 lbs (17.3kg) | 306.75 | 300.61 | 288.34 | CALL |
| SFR-12-18 | Swing Frame Rack, 18" (45.7cm) Deep | 12 | 21.00" (53.3cm) | 38 lbs (17.3kg) | 259.01 | 253.83 | 243.47 | CALL |
| SFR-20-18 | Swing Frame Rack, 18" (45.7cm) Deep | 20 | 35.00" (88.9cm) | 46 lbs (20.9kg) | 329.73 | 323.14 | 309.95 | CALL |
| SFR-25-18 | Swing Frame Rack, 18" (45.7cm) Deep | 25 | 44.00" (111.8cm) | 30 lbs (13.6kg) | 373.05 | 365.59 | 350.67 | CALL |
| SFR-12-24 | Swing Frame Rack, 24" (61.0cm) Deep | 12 | 21.00" (53.3cm) | 44 lbs (20.0kg) | 297.91 | 291.95 | 280.03 | CALL |
| SFR-20-24 | Swing Frame Rack, 24" (61.0cm) Deep | 20 | 35.00" (88.9cm) | 43 lbs (19.5kg) | 385.42 | 377.72 | 362.30 | CALL |
| SFR-25-24 | Swing Frame Rack, 24" (61.0cm) Deep | 25 | 44.00" (111.8cm) | 51 lbs (23.2kg) | 434.04 | 425.36 | 408.00 | CALL |

19" (48.3cm) Pivoting Panel Mount Cabinets - Handy Wall Mounting Allows Rear Access

Conserve valuable floor space with these pivoting panel mount cabinets. The pivoting feature allows punching down while fully open. Rails are tapped 10-32 with standard EIA hole spacing. Available in four basic heights and 6" (15.2cm) or 12" (30.5cm) depth. Other features include: numerous cable tie points and velcro cable loops. Made of .060" (0.2cm) steel and .125" (0.3cm) thick tapped rails.

| | | | | | | | | |
|----------|--|---|-----------------|----------------|--------|--------|--------|------|
| DPPM2 | 6" (15.2cm) Pivoting Panel Wall Mount Cabinet | 2 | 3.50" (8.9cm) | 8 lbs (3.6kg) | 97.24 | 95.30 | 91.41 | CALL |
| DPPM4 | 6" (15.2cm) Pivoting Panel Wall Mount Cabinet | 4 | 7.00" (17.8cm) | 10 lbs (4.5kg) | 112.27 | 110.02 | 105.53 | CALL |
| DPPM6 | 6" (15.2cm) Pivoting Panel Wall Mount Cabinet | 6 | 10.50" (26.7cm) | 12 lbs (5.5kg) | 120.22 | 117.82 | 113.01 | CALL |
| DPPM6-12 | 12" (30.5cm) Pivoting Panel Wall Mount Cabinet | 6 | 10.50" (26.7cm) | 19 lbs (8.6kg) | 198.90 | 194.92 | 186.97 | CALL |
| DPPM8-12 | 12" (30.5cm) Pivoting Panel Wall Mount Cabinet | 8 | 14.00" (35.6cm) | 21 lbs (9.5kg) | 213.93 | 209.65 | 201.09 | CALL |



| Item # | Description | Spaces | Height | Shipping Weight | 1-9 | 10-24 | 25-99 | 100+ |
|--------|-------------|--------|--------|-----------------|-----|-------|-------|------|
|--------|-------------|--------|--------|-----------------|-----|-------|-------|------|

19" (48.3cm) Steel Lockboxes - 9" (22.9cm) Depth Allows Rack Mountable Security

Safely secure gear in the LBX series of lockboxes. 3 and 4 rack space models are available, both are 9" (22.9cm) deep. Black powder coat finish.

| | | | | | | | | |
|-------|-------------------------------------|---|------------------|----------------|--------|--------|--------|------|
| LBX-3 | 19" (48.3cm) Rack Mountable Lockbox | 3 | 5.25 in (13.3cm) | 11 lbs (5.0kg) | 117.57 | 115.22 | 110.52 | CALL |
| LBX-4 | 19" (48.3cm) Rack Mountable Lockbox | 4 | 7.00 in (17.8cm) | 12 lbs (5.5kg) | 128.18 | 125.62 | 120.49 | CALL |

19" (48.3cm) Steel Utility Drawer in 2, 3 and 4 Rack Space Heights

These steel utility drawers are available in two, three and four rack space heights for storing equipment and supplies. Full extension ball bearing slides smoothly extending to a full 14" (35.6cm). Inside dimensions 15.88" x 14.5" (40.3cm x 36.8cm). Knockouts in rear allow cable pass through. Black powder coat finish.

| | | | | | | | | |
|------|--|---|------------------|----------------|--------|--------|--------|------|
| UD-2 | 19" (48.3cm) Rack Mountable Utility Drawer | 2 | 3.50 in (8.9cm) | 16 lbs (7.3kg) | 150.28 | 147.27 | 141.26 | CALL |
| UD-3 | 19" (48.3cm) Rack Mountable Utility Drawer | 3 | 5.25 in (13.3cm) | 19 lbs (8.6kg) | 160.00 | 156.80 | 150.40 | CALL |
| UD-4 | 19" (48.3cm) Rack Mountable Utility Drawer | 4 | 7.00 in (17.8cm) | 22 lbs (9.5kg) | 184.76 | 181.06 | 173.67 | CALL |

3.5" (8.9cm) and 5.25" (13.3cm) High (2 and 3 Rack Spaces) Heavy Duty Shelves for 19" (48.3cm) Racks

Two heavy duty shelves are available for 19" (48.3cm) rack panels. Cantilever shelf is 17" (43.2cm) deep and occupies three rack spaces vertically. The center weight shelf is 18" (45.7cm) deep in total and occupies two rack spaces vertically. Both shelves have vented bottoms. Color is matte black.

| | | | | | | | | |
|------|---|---|------------------|----------------|-------|-------|-------|------|
| U317 | 19" (48.3cm) Rack Mountable Heavy Duty Cantilever Shelf, 17" (43.2cm) Dp | 3 | 5.25 in (13.3cm) | 10 lbs (4.5kg) | 89.28 | 87.50 | 83.93 | CALL |
| U2MS | 19" (48.3cm) Rack Mountable Heavy Duty Center Weight Shelf, 18" (45.7cm) Dp | 2 | 3.50 in (8.9cm) | 9 lbs (4.1kg) | 95.47 | 93.56 | 89.74 | CALL |

19" (48.3cm) Rackmount Slide-Away Computer Keyboard System

The rackmount computer keyboard system occupies only 1.75" (1 space) and features a high quality keyboard with built in trackball. A built in cable support arm provides secure cable management.

| | | | | | | | | |
|-------------|---|---|-----------------|-----------------|---------|---------|---------|------|
| RM-KB-LCD17 | 19" (48.3cm) Rackmount Slide-Away 17" (43.2cm) LCD Monitor, Keyboard and Touchpad | 1 | 1.75 in (4.4cm) | 43 lbs (19.5kg) | 2622.83 | 2570.37 | 2465.46 | CALL |
| RM-KB | 19" (48.3cm) Rackmount Computer Keyboard with Trackball | 1 | 1.75 in (4.4cm) | 16 lbs (7.3kg) | 593.16 | 581.30 | 557.57 | CALL |

19" (48.3cm) Rackmount Sliding Shelves

The rackmount shelves slide out giving easy access to equipment. A telescopic rear support offers flexibility in rack mounting depths. Each shelf requires a minimum rack depth of 14.75" (37.5cm).

| | | | | | | | | |
|-----|--|----|-----------------|----------------|--------|--------|--------|------|
| SSL | 19" (48.3cm) Sliding Shelf, 14" x 16.75" (35.6cm x 42.5cm) Work Surface, 35 lb (15.9kg) Capacity | 1 | 1.75 in (4.4cm) | 11 lbs (5kg) | 120.22 | 117.82 | 113.01 | CALL |
| SS | 19" (48.3cm) Sliding Shelf, 14.75" x 17.5" (37.5cm x 44.5cm) Work Surface, 50 lb (22.7kg) Capacity | 1+ | 2.40 in (6.1cm) | 15 lbs (6.8kg) | 178.57 | 175.00 | 167.85 | CALL |

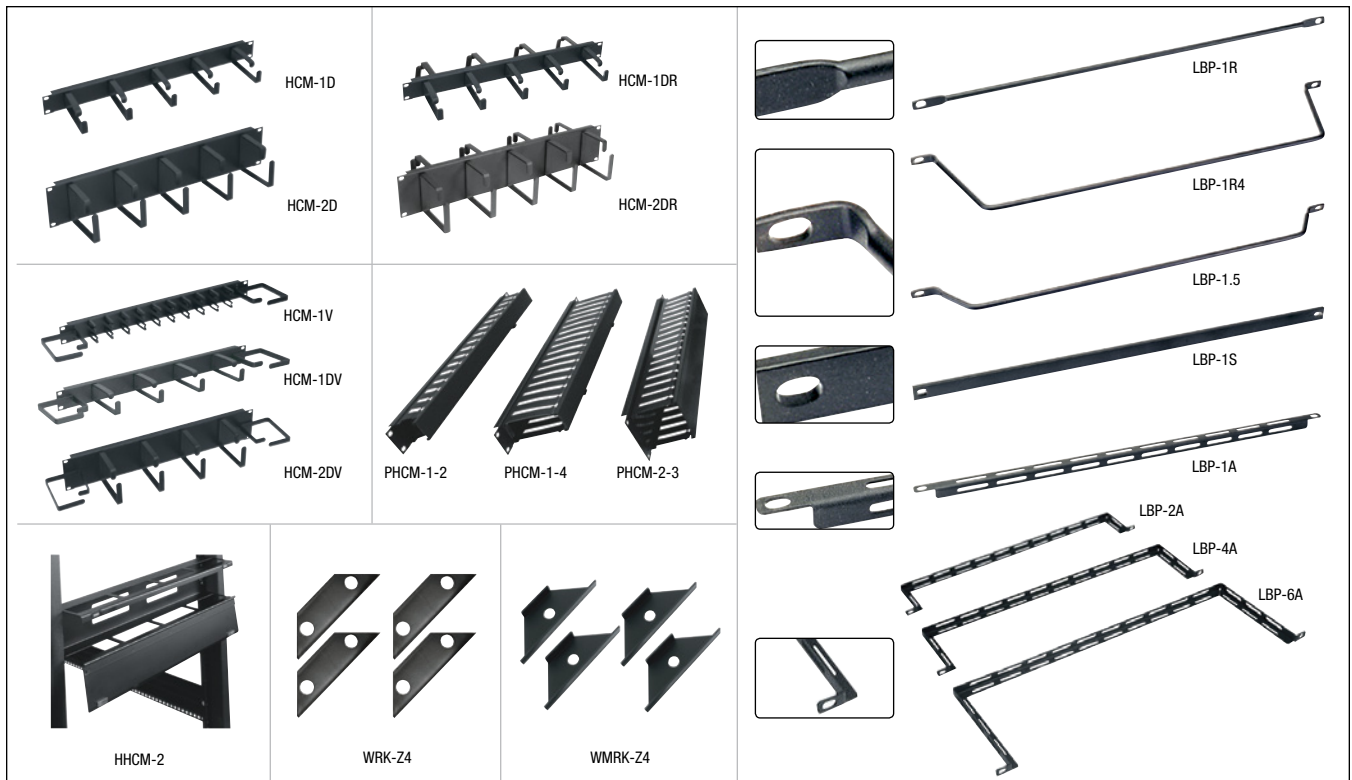
High Capacity Stationary Shelf, 4 Point Mount

| | | | | | | | | |
|----------|---|----|-----------------|----------------|--------|--------|--------|------|
| VSA-1626 | Adjustable Heavy Duty Vented Rackshelf, 16"-26" Usable Shelf Area | <1 | 1.50 in (3.8cm) | 12 lbs (5.5kg) | 147.63 | 144.68 | 138.77 | CALL |
| VSA-2744 | Adjustable Heavy Duty Vented Rackshelf, 27"-44" Usable Shelf Area | <1 | 1.50 in (3.8cm) | 19 lbs (8.6kg) | 181.22 | 177.60 | 170.35 | CALL |

19" (48.3cm) Rack Filler Panels

A variety of 19" (48.3cm) rack filler panels allow installers to give a custom look to their rack installation while allowing proper thermal venting.

| | | | | | | | | |
|--------------|--|---|------------------|---------------|--------|--------|--------|------|
| PR175BLK | 1.75" (4.4cm) Blank Filler Panel, Solid Steel | 1 | 1.75 in (4.4cm) | 1 lb (0.5kg) | 23.78 | 22.83 | 21.88 | CALL |
| PR35BLK | 3.50" (8.9cm) Blank Filler Panel, Solid Steel | 2 | 3.50 in (8.9cm) | 2 lbs (0.9kg) | 31.03 | 29.79 | 28.55 | CALL |
| PR175-EVTBLK | 1.75" (4.4cm) Blank Filler Panel, Vertical Vented Steel | 1 | 1.75 in (4.4cm) | .5 lbs (.2kg) | 13.26 | 12.99 | 12.46 | CALL |
| PR35-EVTBLK | 3.50" (8.9cm) Blank Filler Panel, Vertical Vented Steel | 2 | 3.50 in (8.9cm) | 1 lb (0.5kg) | 16.80 | 16.46 | 15.79 | CALL |
| PR175-VTPBLK | 1.75" (4.4cm) Blank Filler Panel, Horizontal Vented Steel | 1 | 1.75 in (4.4cm) | .5 lbs (.2kg) | 31.82 | 31.19 | 29.91 | CALL |
| PR35-VTPBLK | 3.50" (8.9cm) Blank Filler Panel, Horizontal Vented Steel | 2 | 3.50 in (8.9cm) | 1 lb (0.5kg) | 34.48 | 33.79 | 32.41 | CALL |
| FILTER | 5.25" x 19" (13.3cm x 48.3cm) Rack Filter | 3 | 5.25 in (13.3cm) | 1 lb (0.5kg) | 46.85 | 45.91 | 44.04 | CALL |
| QTFP-2 | 5.25" x 19" (13.3cm x 48.3cm) Panel with Dual 4.5" (11.4cm) Fans | 3 | 5.25 in (13.3cm) | 5 lbs (2.3kg) | 160.00 | 156.80 | 150.40 | CALL |



| Item # | Description | Spaces | Height | Shipping Weight | 1-9 | 10-24 | 25-99 | 100+ |
|--|--|--------|---------------|------------------|--------|--------|--------|------|
| Rackmount Cable Managers with D-Rings | | | | | | | | |
| HCM-1 | 19" (48.3cm) Rack Mountable Horizontal Cable Manager | 1 | 1.75" (4.4cm) | 1 lb (0.5kg) | 34.48 | 33.79 | 32.41 | CALL |
| HCM-1D | 19" (48.3cm) D-Ring Horizontal Cable Manager | 1 | 1.75" (4.4cm) | 2 lbs (0.9kg) | 42.43 | 41.58 | 39.89 | CALL |
| HCM-1DR | 19" (48.3cm) Rackmount Cable Manager | 1 | 1.75" (4.4cm) | 3.5 lbs (1.6kg) | 53.04 | 51.98 | 49.86 | CALL |
| HCM-1DV | 19" (48.3cm) Rackmount Cable Manager with End Rings | 1 | 1.75" (4.4cm) | 2 lbs (0.9kg) | 45.08 | 44.18 | 42.38 | CALL |
| HCM-1V | 19" (48.3cm) Rackmount Cable Manager with End Rings | 1 | 1.75" (4.4cm) | 2 lbs (0.9kg) | 45.08 | 44.18 | 42.38 | CALL |
| HCM-2D | 19" (48.3cm) D-Ring Horizontal Cable Manager | 2 | 3.50" (8.9cm) | 2.35 lbs (1.1kg) | 45.08 | 44.18 | 42.38 | CALL |
| HCM-2DR | 19" (48.3cm) Rackmount Cable Manager | 2 | 3.50" (8.9cm) | 6 lbs (2.7kg) | 56.58 | 55.44 | 53.18 | CALL |
| HCM-2DV | 19" (48.3cm) Rackmount Cable Manager with End Rings | 2 | 3.50" (8.9cm) | 3 lbs (1.4kg) | 49.50 | 48.51 | 46.53 | CALL |
| PHCM-1-2 | Plastic Finger Horizontal Cable Manager | 1 | 1.75" (4.4cm) | 1 lb (0.5kg) | 32.71 | 32.05 | 30.75 | CALL |
| PHCM-1-2-P4 | Plastic Finger Horizontal Cable Manager - 4 Pack | 1 | 1.75" (4.4cm) | 4 lbs (1.8kg) | 121.11 | 118.69 | 113.84 | CALL |
| PHCM-1-4 | Plastic Finger Horizontal Cable Manager | 1 | 1.75" (4.4cm) | 1.2 lbs (0.5kg) | 35.36 | 34.65 | 33.24 | CALL |
| PHCM-1-4-P4 | Plastic Finger Horizontal Cable Manager - 4 Pack | 1 | 1.75" (4.4cm) | 4.8 lbs (2.2kg) | 133.48 | 130.81 | 125.47 | CALL |
| PHCM-2-3 | Plastic Finger Horizontal Cable Manager | 2 | 3.50" (8.9cm) | 1.5 lbs (0.7kg) | 39.78 | 38.98 | 37.39 | CALL |
| PHCM-2-3-P4 | Plastic Finger Horizontal Cable Manager - 4 Pack | 2 | 3.50" (8.9cm) | 6 lbs (2.7kg) | 152.05 | 149.01 | 142.93 | CALL |

Rackmount Cable Lacing Bars

Horizontal Cable Lacing Bars provide users with a simple method for managing cables horizontally on a rack. All lacing bars are sold in packages of ten.

| | | | | | | |
|---------|---|------------------|--------|--------|-------|------|
| LBP-1R | 19" (48.3cm) Rackmount Lacing Bar Round, Pkg/10 | 2.65 lbs (1.2kg) | 66.30 | 64.97 | 62.32 | CALL |
| LBP-1S | 19" (48.3cm) Rackmount Lacing Bar Rectangular, Pkg/10 | 2.2 lbs (1.0kg) | 66.30 | 64.97 | 62.32 | CALL |
| LBP-1R4 | 19" (48.3cm) Rackmount Lacing Bar Round with 4" (10.2cm) Offset, Pkg/10 | 3 lbs (1.4kg) | 105.20 | 103.09 | 98.88 | CALL |
| LBP-1A | 19" (48.3cm) Rackmount Lacing Bar 'L' Shaped with Cable Tie Slots, Pkg/10 | 2.35 lbs (1.1kg) | 42.43 | 41.58 | 39.89 | CALL |
| LBP-6A | 19" (48.3cm) Rackmount Lacing Bar 'L' Shaped with Cable Tie Slots, Pkg/10 | 4.10 lbs (1.9kg) | 92.82 | 90.96 | 87.25 | CALL |
| LBP-1.5 | Rackmount Lacing Bar Round with 1.5" (3.8cm) Offset, Pkg/10 | 2.75 lbs (1.3kg) | 95.47 | 93.56 | 89.74 | CALL |
| LBP-2A | Rackmount Lacing Bar 'L' Shaped with 2" (5.1cm) Offset, Pkg/10 | 3 lbs (1.4kg) | 73.37 | 71.90 | 68.97 | CALL |
| LBP-4A | Rackmount Lacing Bar 'L' Shaped with 4" (10.2cm) Offset, Pkg/10 | 5 lbs (2.3kg) | 82.21 | 80.57 | 77.28 | CALL |

Hinged Covered Cable Managers

These panels are made from the highest quality materials to provide a strong yet attractive method for keeping cables organized and properly routed through a rack. Each panel features front mounted D-rings to support cables. All panels feature a durable black powder coat finish.

| | | | | | | | | |
|--------|---------------------------------|---|---------------|-----------------|-------|-------|-------|------|
| HHCM-1 | Hinged Horizontal Cable Manager | 1 | 1.75" (4.4cm) | 2 lbs (0.9kg) | 56.58 | 55.44 | 53.18 | CALL |
| HHCM-2 | Hinged Horizontal Cable Manager | 2 | 3.50" (8.9cm) | 3.5 lbs (1.6kg) | 63.65 | 62.38 | 59.83 | CALL |

19" (48.3cm) Rack Accessories - 10-32 and 12-24 Mounting Screws

| | | | | | | |
|----------|---|----------------|--------|--------|--------|------|
| HP24 | 12-24 Mounting Screws and Nylon Washer, Pkg/100 | 1 lb (0.5kg) | 30.94 | 30.32 | 29.08 | CALL |
| HP24-500 | 12-24 Mounting Screws and Nylon Washer, Pkg/500 | 4.5 lb (2.0kg) | 146.74 | 143.81 | 137.94 | CALL |
| HP32 | 10-32 Mounting Screws and Nylon Washer, Pkg/100 | 1 lb (0.5kg) | 26.52 | 25.99 | 24.93 | CALL |
| HP32-500 | 10-32 Mounting Screws and Nylon Washer, Pkg/500 | 4 lbs (1.8kg) | 123.76 | 121.28 | 116.33 | CALL |

Rackmount Seismic Floor Anchors

When properly installed, seismic floor anchor kits bring any seismic certified WRK, MRK and WMRK series enclosures to seismic design category 'D', Zone 4, and Seismic Use Group III Upper Floor essential equipment rating and have an Ip rating of 1.5. Kits include four brackets.

| | | | | | |
|---------|---|-------|-------|-------|------|
| WRK-Z4 | Seismic Floor Anchor for the WRK Series | 46.85 | 45.91 | 44.04 | CALL |
| MRK-Z4 | Seismic Floor Anchor for the MRK, WMRK and DRK Series | 46.85 | 45.91 | 44.04 | CALL |
| WMRK-Z4 | Seismic Floor Anchor for the WMRK Series | 47.74 | 46.78 | 44.87 | CALL |

PATCH PANELS/RACKS



Cable Ladders and Accessories

The CL Series are fully welded heavy-duty cable ladders and accessories. Ladder sections are individually boxed with handles for ease of transport. Compatible with most popular brands and accessories of cable ladders. These cable ladders work on both new and existing installations. They are highly scratch resistant with a durable black powder coat.

| Item # | Description | 1-9 | 10-24 | 25-99 | 100+ |
|--------|-------------|-----|-------|-------|------|
|--------|-------------|-----|-------|-------|------|

12 Inch (30.5cm) Wide Cable Ladders

| | | | | | |
|----------|---|--------|--------|--------|------|
| CLB-6 | 6 foot (1.83m) Long Straight Ladder Section, Black | 90.17 | 88.36 | 84.76 | CALL |
| CLB-10 | 10 foot (3.05m) Long Straight Ladder Section, Black | 145.86 | 142.94 | 137.11 | CALL |
| CLB-90HB | 90° Horizontal Bend, Black | 160.00 | 156.80 | 150.40 | CALL |
| CLB-VI90 | 90° Vertical Inside Bend, Black | 132.60 | 129.95 | 124.64 | CALL |
| CLB-VO90 | 90° Vertical Outside Bend, Black | 132.60 | 129.95 | 124.64 | CALL |

12 Inch (30.5cm) Wide Bulk Pack Cable Ladders

| | | | | | |
|------------|--|---------|---------|---------|------|
| CLB-6-12 | 6 foot (1.83m) Long Straight Ladder Section, Black, 12 Pack | 1036.93 | 1016.19 | 974.72 | CALL |
| CLB-10-12 | 10 foot (3.05m) Long Straight Ladder Section, Black, 12 Pack | 1659.27 | 1626.08 | 1559.71 | CALL |
| CLB-90HB-4 | 90° Horizontal Bend, Black, 4 Pack | 596.49 | 584.56 | 560.70 | CALL |
| CLB-VI90-4 | 90° Vertical Inside Bend, Black, 4 Pack | 492.76 | 482.91 | 463.20 | CALL |
| CLB-VO90-4 | 90° Vertical Outside Bend, Black, 4 Pack | 492.76 | 482.91 | 463.20 | CALL |

18 Inch (45.7cm) Wide Cable Ladders

| | | | | | |
|--------------|---|--------|--------|--------|------|
| CLB-6-W18 | 6 foot (1.83m) Long Straight Ladder Section, Black | 128.18 | 125.62 | 120.49 | CALL |
| CLB-10-W18 | 10 foot (3.05m) Long Straight Ladder Section, Black | 174.15 | 170.67 | 163.70 | CALL |
| CLB-90HB-W18 | 90° Horizontal Bend, Black | 190.06 | 186.26 | 178.66 | CALL |
| CLB-V190-W18 | 90° Vertical Inside Bend, Black | 167.08 | 163.73 | 157.05 | CALL |
| CLB-V090-W18 | 90° Vertical Outside Bend, Black | 167.08 | 163.73 | 157.05 | CALL |

24 Inch (61cm) Wide Cable Ladders

| | | | | | |
|---------------|---|--------|--------|--------|------|
| CLB-6-W24 | 6 foot (1.83m) Long Straight Ladder Section, Black | 150.28 | 147.27 | 141.26 | CALL |
| CLB-10-W24 | 10 foot (3.05m) Long Straight Ladder Section, Black | 195.36 | 191.46 | 183.64 | CALL |
| CLB-90HB-W24 | 90° Horizontal Bend, Black | 197.13 | 193.19 | 185.30 | CALL |
| CLB-VI90-W24 | 90° Vertical Inside Bend, Black | 178.57 | 175.00 | 167.85 | CALL |
| CLB-V90WB-W24 | 90° Vertical Outside Bend, Black | 178.57 | 175.00 | 167.85 | CALL |

12 Inch (30.5cm) Wall Ceiling Mounts (also available in Bulk Packs)

| | | | | | |
|-----------------|--|-------|-------|-------|------|
| CLB-CSB | Center Support Bracket | 41.55 | 40.72 | 39.06 | CALL |
| CLB-TSB | Triangle Wall Support Bracket | 56.58 | 55.44 | 53.18 | CALL |
| CLH-WRS | Ladder Wall Support Angle | 38.01 | 37.25 | 35.73 | CALL |
| CLH-58CHK | .625 inch (1.6cm) Slotted Ceiling Kit, Fits All Widths | 28.29 | 27.72 | 26.59 | CALL |
| CLH-5-8R0D-12-4 | 12 inch (30.5cm) Long Section .625 inch (1.6cm) Threaded Rod, 4 pieces | 32.71 | 32.05 | 30.75 | CALL |
| CLH-5-8R0D-6 | 6 inch (15.2cm) Long Section .625 inch (1.6cm) Threaded Rod, 1 piece | 50.39 | 49.38 | 47.36 | CALL |
| CLH-RES | Ladder End Support Hardware, Fits All Widths | 38.01 | 37.25 | 35.73 | CALL |
| CLH-RWC | Ladder Wall Clamp, Fits all Widths | 25.64 | 25.12 | 24.10 | CALL |

18 Inch (45.7cm) Wall Ceiling Mounts

| | | | | | |
|-----------------|-------------------------------|-------|-------|-------|------|
| CLB-CSB-W18 | Center Support Bracket | 89.28 | 87.50 | 83.93 | CALL |
| CLB-TSB-W18 | Triangle Wall Support Bracket | 76.91 | 75.37 | 72.29 | CALL |
| CLH-WRS-W18-W24 | Ladder Wall Support Angle | 51.27 | 50.25 | 48.20 | CALL |

24 Inch (61cm) Wall Ceiling Mounts

| | | | | | |
|-----------------|-------------------------------|--------|--------|--------|------|
| CLB-CSB-W24 | Center Support Bracket | 118.46 | 116.09 | 111.35 | CALL |
| CLB-TSB-W24 | Triangle Wall Support Bracket | 94.59 | 92.70 | 88.91 | CALL |
| CLH-WRS-W18-W24 | Ladder Wall Support Angle | 51.27 | 50.25 | 48.20 | CALL |



| Item # | Description | List Price |
|---|---|------------|
| Single, Two, Three or Four Panel DIN Rail Termination Enclosure - For Easy Cable Mounting at the Workplace | | |
| Use this simple enclosure for terminating fiber cabling within industrial workplaces or anyplace that needs a small cable drop. The unit mounts to 35mm DIN Rail allowing cable entry from the top. The DIN connector is also removable for mounting to walls, etc. FSP Series Sub-Panels mount to the front of the enclosure for quick and easy cable termination. Built from .060 inch (16 ga) Cold Rolled Steel. Color: black. | | |
| FSP-1DIN | DIN Rail/Wall Mount Termination Enclosure for 1 FSP Series Sub-Panel | 66.27 |
| FSP-2DIN | DIN Rail/Wall Mount Termination Enclosure for 2 FSP Series Sub-Panels | 74.55 |
| FSP-3DIN | DIN Rail/Wall Mount Termination Enclosure for 3 FSP Series Sub-Panels | 82.84 |
| FSP-4DIN | DIN Rail/Wall Mount Termination Enclosure for 4 FSP Series Sub-Panels | 90.10 |

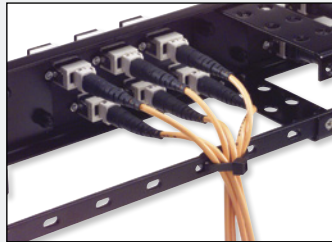
19" (48.3cm) Rack Panels Accept 3, 6 or 12 FSP Series Sub-Panels

This series of 19" (48.3cm) rack panels accepts any of our FSP Series Sub-Panels. They snap into place using push button rivets which allow for easy installation or removal of the sub-panels. Built from .060" (0.2cm) (16 ga) cold rolled steel, these panels are rugged and economically priced. Rear cable management option is available as an accessory. Color: black.

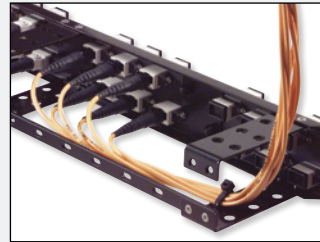
| | | |
|--------------|--|-------|
| PR175-FSP-3 | 1.75" (1U) (4.4cm) Rack Panel for 3 FSP Series Sub-Panels | 45.54 |
| PR35-FSP-6 | 3.50" (2U) (8.9cm) Rack Panel for 6 FSP Series Sub-Panels | 56.94 |
| PR525-FSP-12 | 5.25" (3U) (13.3cm) Rack Panel for 12 FSP Series Sub-Panels | 68.34 |
| PR-CMB | Cable Management Bracket Kit for 19" (48.3cm) Panels (One 19" Crossbar, 6 Management Brackets, 18 Flathead Screws) | 50.72 |

Tip The PR-CMB cable management kit is designed for maximum flexibility.

A unique extension and crossbar design permits side and rear cable routing. All surfaces are perforated for ample cable tie points.



Rear Crossbar: Useful for reducing connector stress from hanging cable lengths.



Management Brackets: Enable cable routing and provide ample tie-down points.

| Item # | Description | List Price |
|--------|-------------|------------|
|--------|-------------|------------|

Sub-Panels Used to Populate FSP Series Patch Panels, FE & FSP DIN Rail Mount Enclosures

These versatile sub-panels are used to populate L-com's FE Series Wall Mount & Rack Mount Fiber Enclosures, FSP Series Rack Panels and FSP DIN-Rail Mount Enclosures. Offered in a variety of connector types in Simplex, Duplex and Quad configurations. Ceramic sleeve versions are primarily used in single mode applications while multimode applications typically utilize the bronze sleeve configuration. These units feature a black finish with snap on mounting for easy installation and removal.

| | | |
|-----------------|--|--------|
| FSP-BNK | Blank Sub-Panel | 14.46 |
| FSP-SCMTC-BNK | Blank Sub-Panel with 6 SC Simplex/MT-RJ/LC Duplex Openings | 14.46 |
| FSP-SC-APC | Fiber Sub-Panel, 6 APC SC Simplex Couplers, Ceramic Sleeve | 82.84 |
| FSP-LCD6-BR | Fiber Sub-Panel, 6 LC Duplex Couplers, Bronze Sleeve | 45.54 |
| FSP-LCD6-CR | Fiber Sub-Panel, 6 LC Duplex Couplers, Ceramic Sleeve | 60.05 |
| FSP-SC-BR | Fiber Sub-Panel, 6 SC Simplex Couplers, Bronze Sleeve | 41.40 |
| FSP-SC-CR | Fiber Sub-Panel, 6 SC Simplex Couplers, Ceramic Sleeve | 51.76 |
| FSP-STFC-BNK | Blank Sub-Panel with 6 ST/FC Simplex Openings | 14.46 |
| FSP-ST-BR | Fiber Sub-Panel, 6 ST Couplers, Bronze Sleeve | 38.29 |
| FSP-ST-CR | Fiber Sub-Panel, 6 ST Couplers, Ceramic Sleeve | 54.87 |
| FSP-SCDLCQ6-BNK | Blank Sub-Panel with 6 SC Duplex/LC Quad Openings | 17.56 |
| FSP-LCD6-10G | Fiber Sub-Panel, 6 LC Duplex 10G Couplers, Bronze Sleeve | 48.65 |
| FSP-LCQ6-BR | Fiber Sub-Panel, 6 LC Duplex Couplers, Bronze Sleeve | 126.36 |
| FSP-LCQ6-CR | Fiber Sub-Panel, 6 LC Duplex Couplers, Ceramic Sleeve | 154.34 |
| FSP-SCD6-APC | Fiber Sub-Panel, 6 SC Duplex Couplers, Ceramic Sleeve | 143.98 |
| FSP-SCD6-BR | Fiber Sub-Panel, 6 SC Duplex Couplers, Bronze Sleeve | 54.87 |
| FSP-SCD6-CR | Fiber Sub-Panel, 6 SC Duplex Couplers, Ceramic Sleeve | 72.48 |
| FSP-ECF-BNK | Blank Sub-Panel with 3 ECF Style Openings | 14.46 |
| FSP-05D-BNK | Blank Sub-Panel with (4) 0.5" (1.3cm) D-Hole Openings | 14.46 |
| FSP-KYSTN-BNK | Blank Sub Panel with 4 Keystone Style Openings | 20.67 |

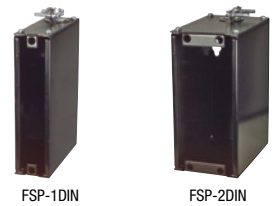
Fiber Sub-Panel with 6 LC Keyed Multimode Couplers

These sub-panels are used to populate L-com's FE Series Wall Mount & Rack Mount Fiber Enclosures, FSP Series Rack Panels and FSP DIN-Rail Mount Enclosures. Secured, keyed, LC adapters are designed specifically for mission critical circuits where networks are segregated by color for identification and protected from accidental moves, adds, or changes. They offer mechanical network security for organizations desiring to segregate networks because of privacy or security concerns. Note: The couplers in these sub-panels are designed to only work with L-com's Keyed LC Patch Cords.

| | | |
|-------------|--|--------|
| FSP-LCK-PNK | Fiber Panel, 6 LC Keyed Multimode, Pink | 113.93 |
| FSP-LCK-WHT | Fiber Panel, 6 LC Keyed Multimode, White | 113.93 |
| FSP-LCK-YLW | Fiber Panel, 6 LC Keyed Multimode, Yellow | 113.93 |
| FSP-LCK-RED | Fiber Panel, 6 LC Keyed Multimode, Red | 113.93 |
| FSP-LCK-ORG | Fiber Panel, 6 LC Keyed Multimode, Orange | 113.93 |
| FSP-LCK-VLT | Fiber Panel, 6 LC Keyed Multimode, Violet | 113.93 |
| FSP-LCK-GRY | Fiber Panel, 6 LC Keyed Multimode, Gray | 113.93 |
| FSP-LCK-CBT | Fiber Panel, 6 LC Keyed Multimode, Cobalt | 113.93 |
| FSP-LCK-BRN | Fiber Panel, 6 LC Keyed Multimode, Brown | 113.93 |
| FSP-LCK-TRQ | Fiber Panel, 6 LC Keyed Multimode, Turquoise | 113.93 |
| FSP-LCK-MAG | Fiber Panel, 6 LC Keyed Multimode, Magenta | 113.93 |
| FSP-LCK-OLV | Fiber Panel, 6 LC Keyed Multimode, Olive | 113.93 |

Plunger and Grommet Kit for FSP Series Sub-Panels - Pkg/50

| | | |
|---------------|---|-------|
| FSP-FASTENERS | Plunger and Grommet Kit for FSP Series Sub-Panels, Pkg/50 | 30.00 |
|---------------|---|-------|



FSP-1DIN

FSP-2DIN

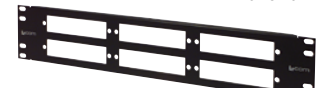


FSP-3DIN

FSP-4DIN



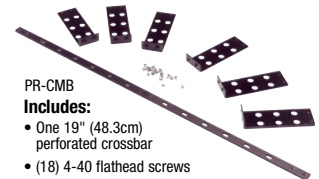
PR175-FSP-3



PR35-FSP-6



PR525-FSP-12

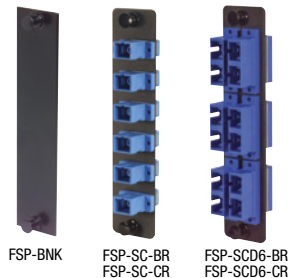


PR-CMB

Includes:

- One 19" (48.3cm) perforated crossbar
- (18) 4-40 flathead screws
- Six perforated Management Brackets

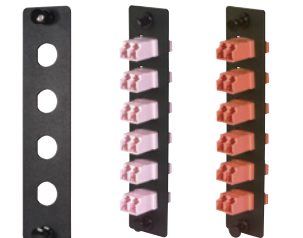
Fiber Sub-Panels



FSP-BNK

FSP-SC-BR

FSP-SCD6-BR



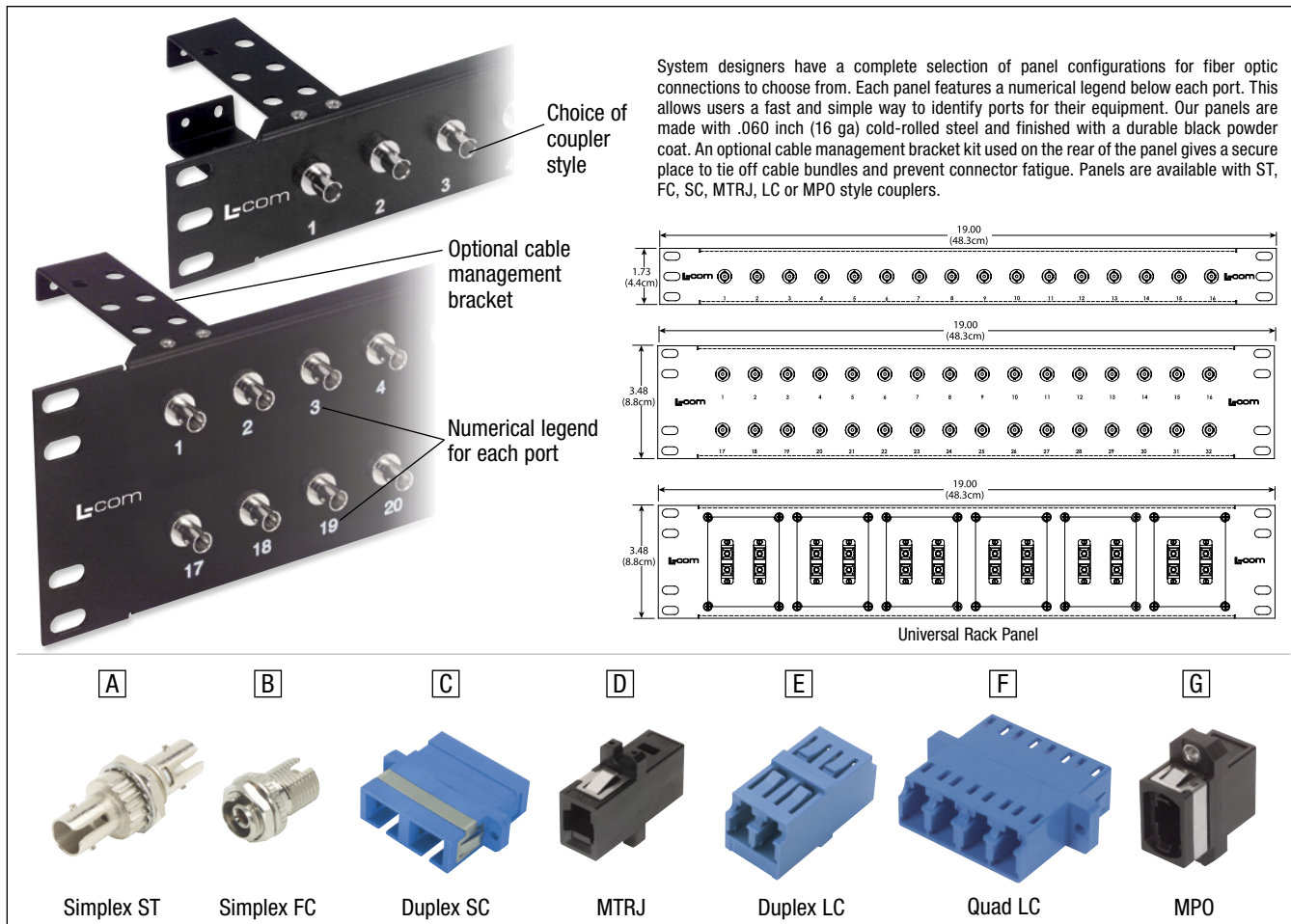
FSP-05D-BNK

FSP-LCK-PNK

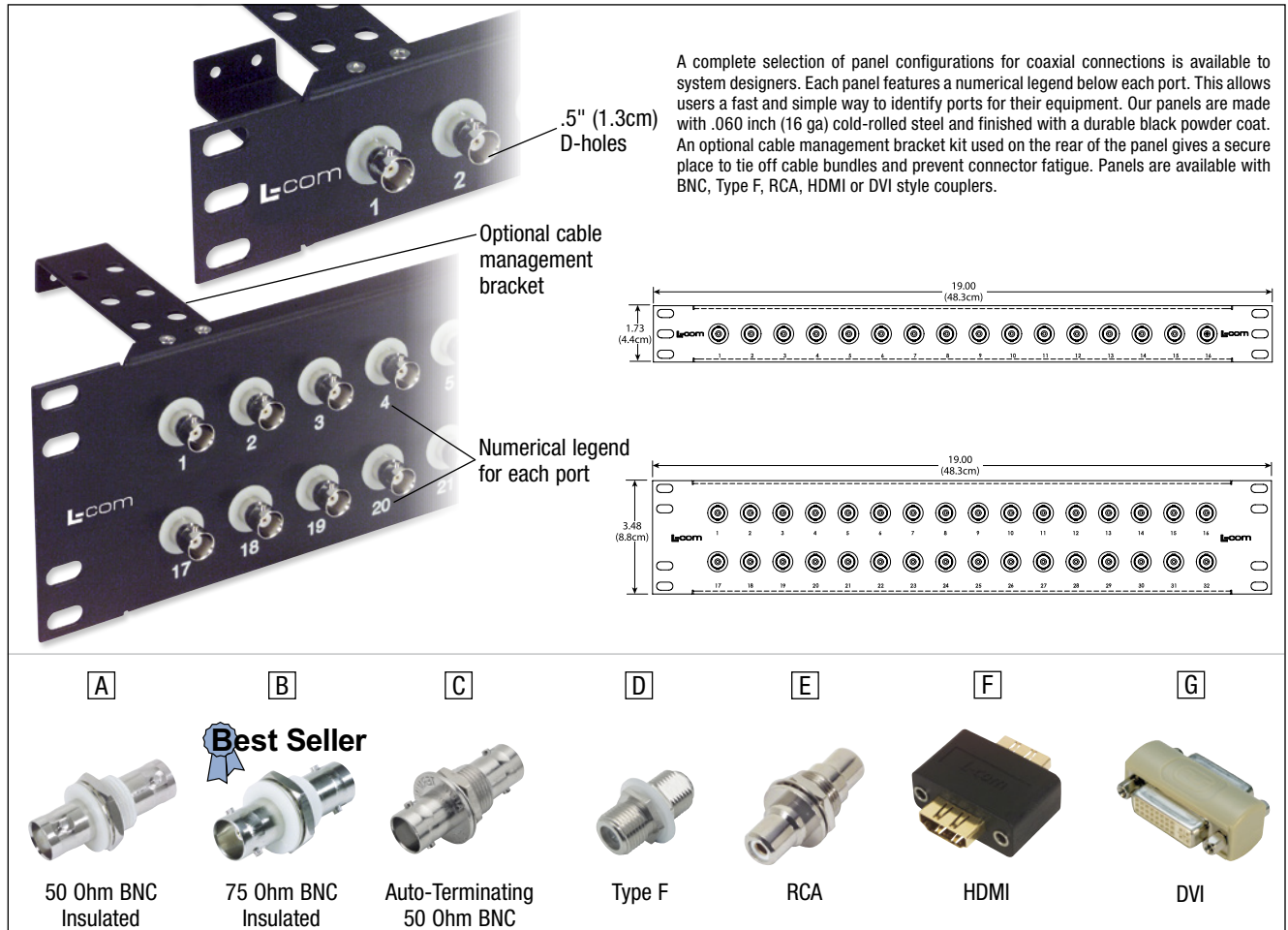
FSP-LCK-ORG



FSP-FASTENERS
Pkg/50



| Item # | Code | Description | Color | 1-9 | 10-24 | 25-99 | 100+ |
|---|------|---|-------|--------|--------|--------|------|
| 19" (48.3cm) Fiber Optic Rack Panels | | | | | | | |
| PR175ST16CMB | A | 1.75" (4.4cm) Panel, 16 Port, ST Multimode Couplers with Cable Management Bracket | Black | 148.12 | 142.20 | 136.27 | CALL |
| PR35ST32CMB | A | 3.50" (8.9cm) Panel, 32 Port, ST Multimode Couplers with Cable Management Bracket | Black | 215.48 | 206.86 | 198.24 | CALL |
| PR175ST16CMB-SM | A | 1.75" (4.4cm) Panel, 16 Port, ST Single mode Couplers with Cable Management Bracket | Black | 182.32 | 175.03 | 167.73 | CALL |
| PR35ST32CMB-SM | A | 3.50" (8.9cm) Panel, 32 Port, ST Single mode Couplers with Cable Management Bracket | Black | 272.47 | 261.57 | 250.67 | CALL |
| UPR35-12STB | A | 3.50" (8.9cm) Universal Rack Panel, 12 Port, ST Multimode Couplers | Black | 129.47 | 124.29 | 119.12 | CALL |
| UPR35-24STB | A | 3.50" (8.9cm) Universal Rack Panel, 24 Port, ST Multimode Couplers | Black | 170.92 | 164.08 | 157.25 | CALL |
| PR175FC16CMB | B | 1.75" (4.4cm) Panel, 16 Port, FC Multimode Couplers with Cable Management Bracket | Black | 227.91 | 218.80 | 209.68 | CALL |
| PR35FC32CMB | B | 3.50" (8.9cm) Panel, 32 Port, FC Multimode Couplers with Cable Management Bracket | Black | 380.23 | 365.02 | 349.81 | CALL |
| PR175FC16CMB-SM | B | 1.75" (4.4cm) Panel, 16 Port, FC Single mode Couplers with Cable Management Bracket | Black | 250.71 | 240.68 | 230.65 | CALL |
| PR35FC32CMB-SM | B | 3.50" (8.9cm) Panel, 32 Port, FC Single mode Couplers with Cable Management Bracket | Black | 403.03 | 386.91 | 370.79 | CALL |
| PR175FC16CM-SMA | B | 1.75" (4.4cm) Panel, 16 Port, FC (APC) Singlemode Couplers with Cable Management Bracket | Black | 305.63 | 293.40 | 281.18 | CALL |
| PR35DSC32C | C | 3.50" (8.9cm) Panel, 64 Port, 32 Duplex SC Multimode Couplers | Black | 305.63 | 293.40 | 281.18 | CALL |
| PR35DSC32C-SM | C | 3.50" (8.9cm) Panel, 64 Port, 32 Duplex SC Single mode Couplers | Black | 362.62 | 348.11 | 333.61 | CALL |
| UPR35-6DSCB | C | 3.50" (8.9cm) Universal Rack Panel, 12 Port, 6 Duplex SC Multimode Couplers | Black | 148.12 | 142.20 | 136.27 | CALL |
| UPR35-12DSCB | C | 3.50" (8.9cm) Universal Rack Panel, 24 Port, 12 Duplex SC Multimode Couplers | Black | 170.92 | 164.08 | 157.25 | CALL |
| PR175MT16B | D | 1.75" (4.4cm) Panel, 32 Port, 16 MTRJ Couplers | Black | 113.93 | 109.37 | 104.82 | CALL |
| PR175DLC16B | E | 1.75" (4.4cm) Panel, 32 Port, 16 LC Duplex Multimode Couplers | Black | 204.08 | 195.92 | 187.75 | CALL |
| PR175DLCB16B | E | 1.75" (4.4cm) Panel, 32 Port, 16 LC Duplex Single mode Couplers | Black | 120.15 | 115.34 | 110.54 | CALL |
| PR175LC96 | F | 1.75" (4.4cm) Panel, 96 Port, 24 LC Quad Multimode Couplers | Black | 295.27 | 283.45 | 271.64 | CALL |
| PR175LC96-SM | F | 1.75" (4.4cm) Panel, 96 Port, 24 LC Quad Single mode Couplers | Black | 557.42 | 535.13 | 512.83 | CALL |
| PR175DLC24B | N/A | 1.75" (4.4cm) Panel, 48 Port, 24 LC Duplex Multimode Couplers | Black | 226.88 | 217.80 | 208.73 | CALL |
| PR175DLC24B-SM | N/A | 1.75" (4.4cm) Panel, 48 Port, 24 LC Duplex Single mode Couplers | Black | 370.91 | 356.07 | 341.24 | CALL |
| PR17516MTP | G | 1.75" (4.4cm) Panel, 16 MPO Couplers | Black | 226.88 | 217.80 | 208.73 | CALL |
| PR-CMB | N/A | Cable Management Bracket Kit for most L-com 19" (48.3cm) Panels Kit Contains: (Qty: 6) Extension Brackets, (Qty: 1) 19" (48.3cm) Crossbar, (Qty: 18) Flathead Screws | | 50.72 | 48.69 | 46.66 | CALL |



A complete selection of panel configurations for coaxial connections is available to system designers. Each panel features a numerical legend below each port. This allows users a fast and simple way to identify ports for their equipment. Our panels are made with .060 inch (16 ga) cold-rolled steel and finished with a durable black powder coat. An optional cable management bracket kit used on the rear of the panel gives a secure place to tie off cable bundles and prevent connector fatigue. Panels are available with BNC, Type F, RCA, HDMI or DVI style couplers.

5" (1.3cm) D-holes

Optional cable management bracket

Numerical legend for each port

A **B** **C** **D** **E** **F** **G**

50 Ohm BNC Insulated

Best Seller

75 Ohm BNC Insulated

Auto-Terminating 50 Ohm BNC

Type F

RCA

HDMI

DVI

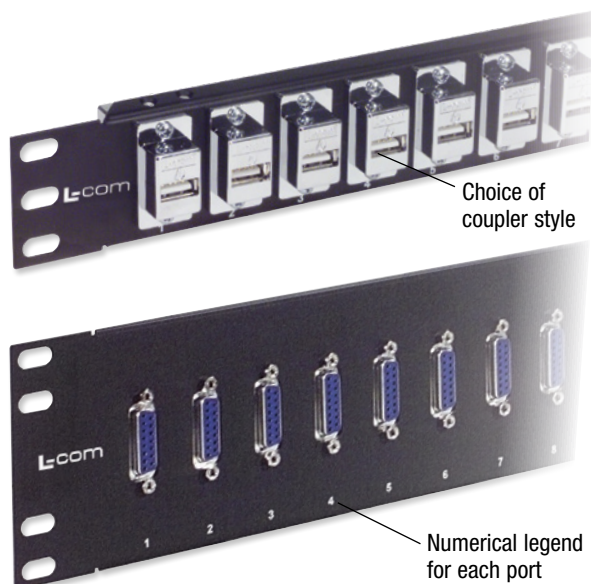
| Item # | Code | Description | Color | 1-9 | 10-24 | 25-99 | 100+ |
|---|------|--|-------|--------|--------|--------|------|
| 19" (48.3cm) Coaxial Rack Panels | | | | | | | |
| PR175-16BLK | N/A | 1.75" (4.4cm) Panel, 16 0.5" (1.3cm) D-Holes | Black | 28.96 | 27.80 | 26.64 | CALL |
| PR175-16CMB | N/A | 1.75" (4.4cm) Panel, 16 0.5" (1.3cm) D-Holes and Cable Minder | Black | 43.47 | 41.73 | 39.99 | CALL |
| PR35-32BLK | N/A | 3.50" (8.9cm) Panel, 32 0.5" (1.3cm) D-Holes | Black | 34.14 | 32.78 | 31.41 | CALL |
| PR35-32CMB | N/A | 3.50" (8.9cm) Panel, 32 0.5" (1.3cm) D-Holes and Cable Minder | Black | 56.94 | 54.66 | 52.38 | CALL |
| PR175B16BLK | A | 1.75" (4.4cm) Panel, 16 BNC Couplers, 50 Ohm Insulated | Black | 113.93 | 109.37 | 104.82 | CALL |
| PR35B32BLK | A | 3.50" (8.9cm) Panel, 32 BNC Couplers, 50 Ohm Insulated | Black | 205.12 | 196.91 | 188.71 | CALL |
| PR175B16CMB | A | 1.75" (4.4cm) Panel, 16 BNC Couplers, 50 Ohm Insulated with Cable Minder | Black | 136.73 | 131.26 | 125.79 | CALL |
| PR35B32CMB | A | 3.50" (8.9cm) Panel, 32 BNC Couplers, 50 Ohm Insulated with Cable Minder | Black | 227.91 | 218.80 | 209.68 | CALL |
| PR175B1675BLK | B | 1.75" (4.4cm) Panel, 16 BNC Couplers, 75 Ohm Insulated | Black | 125.33 | 120.32 | 115.30 | CALL |
| PR35B3275BLK | B | 3.50" (8.9cm) Panel, 32 BNC Couplers, 75 Ohm Insulated | Black | 239.31 | 229.74 | 220.17 | CALL |
| PR175B3216GBLK | C | 1.75" (4.4cm) Panel, 16 BNC Auto-Terminating Couplers, 50 Ohm | Black | 147.09 | 141.21 | 135.32 | CALL |
| PR35B3232GBLK | C | 3.50" (8.9cm) Panel, 32 BNC Auto-Terminating Couplers, 50 Ohm | Black | 262.11 | 251.62 | 241.14 | CALL |
| PR175F16 | D | 1.75" (4.4cm) Panel, 16 Type F Couplers, Insulated | Black | 91.13 | 87.49 | 83.84 | CALL |
| PR35F32 | D | 3.50" (8.9cm) Panel, 32 Type F Couplers, Insulated | Black | 113.93 | 109.37 | 104.82 | CALL |

19" (48.3cm) Audio/Video Rack Panels

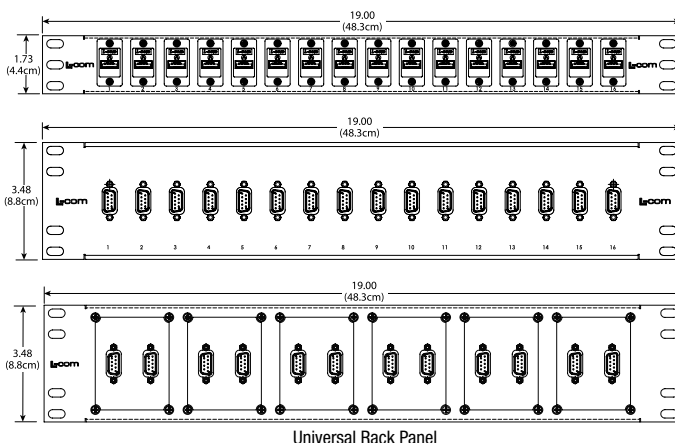
| | | | | | | | |
|------------|-----|---|-------|--------|--------|--------|------|
| PR175RCA16 | E | 1.75" (4.4cm) Panel, 16 RCA Couplers, Grounded | Black | 102.53 | 98.43 | 94.33 | CALL |
| PR35RCA32 | E | 3.50" (8.9cm) Panel, 32 RCA Couplers, Grounded | Black | 170.92 | 164.08 | 157.25 | CALL |
| PR175HD16B | F | 1.75" (4.4cm) Panel, 16 HDMI Female Couplers | Black | 226.88 | 217.80 | 208.73 | CALL |
| PR35HD32B | F | 3.50" (8.9cm) Panel, 32 HDMI Female Couplers | Black | 340.86 | 327.22 | 313.59 | CALL |
| PR35DVI16B | G | 3.50" (8.9cm) Panel, 16 DVI Female Adapters | Black | 181.28 | 174.03 | 166.78 | CALL |
| PR-CMB | N/A | Cable Management Bracket Kit for most L-com 19" (48.3cm) Panels Kit Contains: (Qty: 6) Extension Brackets, (Qty: 1) 19" (48.3cm) Crossbar, (Qty: 18) Flathead Screws | | 50.72 | 48.69 | 46.66 | CALL |

Tip What is Impedance?

Impedance is a measurement of opposition to the flow of current within a cable. Two of the most common impedance values used in coaxial cable are 50 Ohms primarily used for data transmission and 75 Ohms primarily used for video transmission. In twisted pair cable, common impedance values are 100 and 120 Ohms.



L-com offers system designers a complete selection of panel configurations for data and serial connections. Each panel features a numerical legend below each port. This allows users a fast and simple way to identify ports for their equipment. Our panels are made with .060 inch (16 ga) cold-rolled steel and finished with a durable black powder coat. An optional cable management bracket kit used on the rear of the panel gives a secure place to tie off cable bundles and prevent connector fatigue. Panels are available with USB, D-Sub or HDMI style couplers.



A



USB A

B



USB A Shielded

C



DB9

D



HD15

E



DB15

F



DB25

G



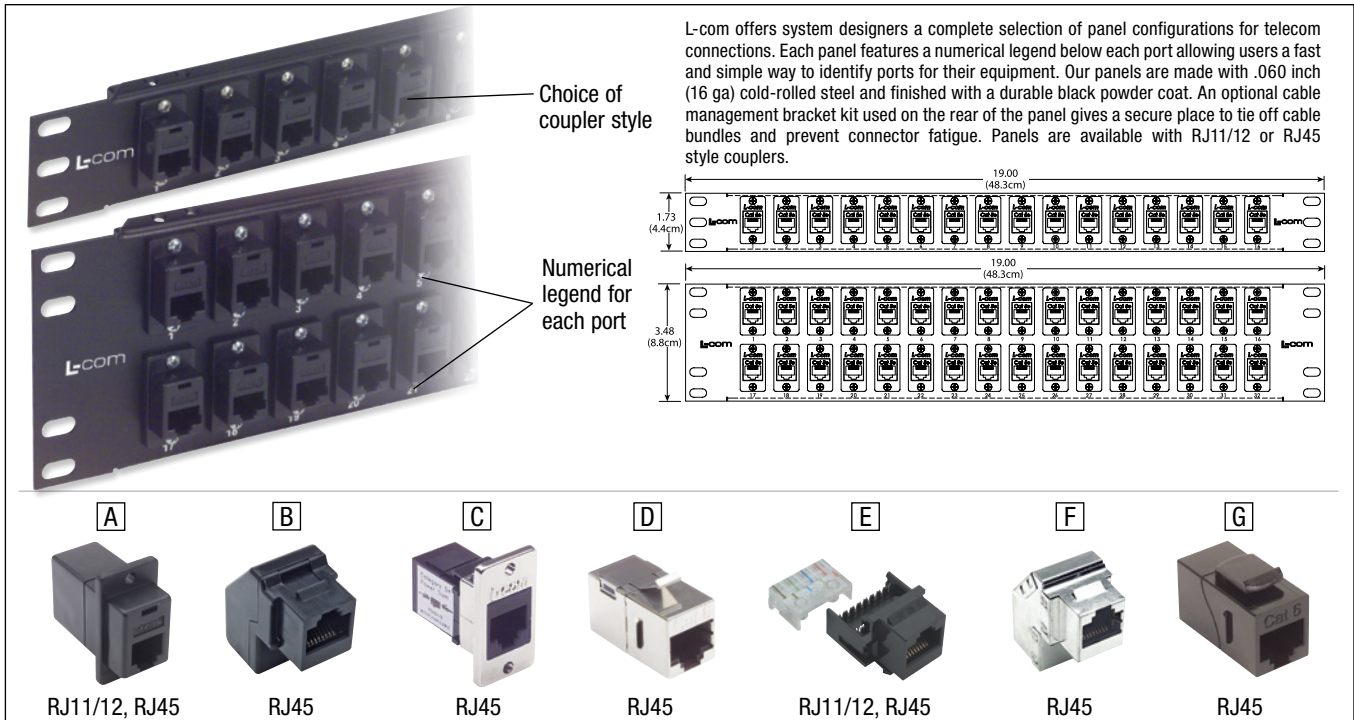
DB37

H

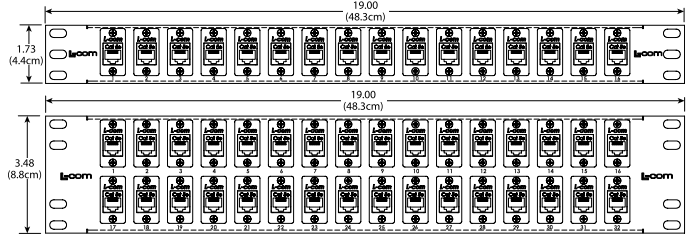


HDMI

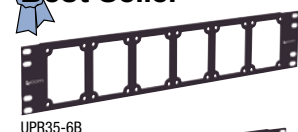
| Item # | Code | Description | Color | 1-9 | 10-24 | 25-99 | 100+ |
|---|------|---|-------|--------|--------|--------|------|
| 19" (48.3cm) D-Sub, USB, HDMI® Rack Panels | | | | | | | |
| PR175F504-UAB | A | 1.75" (4.4cm) Panel, 16 USB A/B Couplers | Black | 136.73 | 131.26 | 125.79 | CALL |
| PR175F504-UABS | B | 1.75" (4.4cm) Panel, 16 Shielded USB A/B Couplers | Black | 148.12 | 142.20 | 136.27 | CALL |
| PR35F504-UABS | B | 3.50" (8.9cm) Panel, 32 Shielded USB A/B Couplers | Black | 262.11 | 251.62 | 241.14 | CALL |
| PR175DS916B | N/A | 1.75" (4.4cm) Panel, 16 DB9/HD15/HDMI Cutouts | Black | 61.08 | 58.64 | 56.20 | CALL |
| PR35DS932B | N/A | 3.50" (8.9cm) Panel, 32 DB9/HD15/HDMI Cutouts | Black | 64.19 | 61.62 | 59.06 | CALL |
| PR35DS1516B | N/A | 3.50" (8.9cm) Panel, 16 DB15/HD26/DVI Cutouts | Black | 34.14 | 32.78 | 31.41 | CALL |
| PR35DS2516B | N/A | 3.50" (8.9cm) Panel, 16 DB25/HD44 Cutouts | Black | 34.14 | 32.78 | 31.41 | CALL |
| PR35DS3716B | N/A | 3.50" (8.9cm) Panel, 16 DB37/HD62 Cutouts | Black | 68.34 | 65.60 | 62.87 | CALL |
| PR175GB9FB | C | 1.75" (4.4cm) Panel, 16 DB9 Female Couplers | Black | 131.55 | 126.28 | 121.02 | CALL |
| PR35GB932B | C | 3.50" (8.9cm) Panel, 32 DB9 Female Couplers | Black | 204.08 | 195.92 | 187.75 | CALL |
| UPR35-2DB9FB | C | 3.50" (8.9cm) Universal Rack Panel, 12 DB9 Female Couplers | Black | 136.73 | 131.26 | 125.79 | CALL |
| PR175HD1516B | D | 1.75" (4.4cm) Panel, 16 HD15 Female Couplers | Black | 142.94 | 137.23 | 131.51 | CALL |
| PR35HD1532B | D | 3.50" (8.9cm) Panel, 32 HD15 Female Couplers | Black | 222.73 | 213.82 | 204.91 | CALL |
| PR35GB15FB | E | 3.50" (8.9cm) Panel, 16 DB15 Female Couplers | Black | 142.94 | 137.23 | 131.51 | CALL |
| PR35GB25FB | F | 3.50" (8.9cm) Panel, 16 DB25 Female Couplers | Black | 159.52 | 153.14 | 146.76 | CALL |
| PR35GB37FB | G | 3.50" (8.9cm) Panel, 16 DB37 Female Couplers | Black | 196.83 | 188.95 | 181.08 | CALL |
| PR175HD16B | H | 1.75" (4.4cm) Panel, 16 HDMI Female Couplers | Black | 226.88 | 217.80 | 208.73 | CALL |
| PR35HD32B | H | 3.50" (8.9cm) Panel, 32 HDMI Female Couplers | Black | 340.86 | 327.22 | 313.59 | CALL |
| PR-CMB | N/A | Cable Management Bracket Kit for most L-com 19" (48.3cm) Panels Kit Contains: (Qty: 6) Extension Brackets, (Qty: 1) 19" (48.3cm) Crossbar, (Qty: 18) Flathead Screws | | 50.72 | 48.69 | 46.66 | CALL |



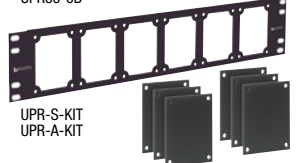
L-com offers system designers a complete selection of panel configurations for telecom connections. Each panel features a numerical legend below each port allowing users a fast and simple way to identify ports for their equipment. Our panels are made with .060 inch (16 ga) cold-rolled steel and finished with a durable black powder coat. An optional cable management bracket kit used on the rear of the panel gives a secure place to tie off cable bundles and prevent connector fatigue. Panels are available with RJ11/12 or RJ45 style couplers.



| Item # | Code | Description | Color | 1-9 | 10-24 | 25-99 | 100+ |
|---|------|---|-------|--------|--------|--------|------|
| 19" (48.3cm) Telecom/Network Rack Panels | | | | | | | |
| PR175F504B-4S | A | 1.75" (4.4cm) Panel, 16 RJ11 (6x4) Couplers, Straight-Thru | Black | 85.95 | 82.51 | 79.08 | CALL |
| PR175F504B-6S | A | 1.75" (4.4cm) Panel, 16 RJ12 (6x6) Couplers, Straight-Thru | Black | 95.28 | 91.47 | 87.66 | CALL |
| PR175F504B-8SK | A | 1.75" (4.4cm) Panel, 16 RJ45 (8x8) Couplers, Straight-Thru | Black | 102.53 | 98.43 | 94.33 | CALL |
| PR35F504B-4S | A | 3.50" (8.9cm) Panel, 32 RJ11 (6x4) Couplers, Straight-Thru | Black | 148.12 | 142.20 | 136.27 | CALL |
| PR35F504B-6S | A | 3.50" (8.9cm) Panel, 32 RJ12 (6x6) Couplers, Straight-Thru | Black | 165.74 | 159.11 | 152.48 | CALL |
| PR35F504B-8SK | A | 3.50" (8.9cm) Panel, 32 RJ45 (8x8) Couplers, Straight-Thru | Black | 193.72 | 185.97 | 178.22 | CALL |
| PR175F504B-C5 | C | 1.75" (4.4cm) Panel, 16 Category 5e Couplers | Black | 193.72 | 185.97 | 178.22 | CALL |
| PR175F504B-SC5 | C | 1.75" (4.4cm) Panel, 16 Category 5e Couplers, Shielded | Black | 262.11 | 251.62 | 241.14 | CALL |
| PR175F504B-C6 | C | 1.75" (4.4cm) Panel, 16 Category 6 Couplers | Black | 227.91 | 218.80 | 209.68 | CALL |
| PR175F504B-SC6 | C | 1.75" (4.4cm) Panel, 16 Category 6 Couplers, Shielded | Black | 284.90 | 273.51 | 262.11 | CALL |
| PR35F504B-C5 | C | 3.50" (8.9cm) Panel, 32 Category 5e Couplers | Black | 364.69 | 350.10 | 335.52 | CALL |
| PR35F504B-SC5 | C | 3.50" (8.9cm) Panel, 32 Category 5e Couplers, Shielded | Black | 455.88 | 437.64 | 419.41 | CALL |
| PR35F504B-C6 | C | 3.50" (8.9cm) Panel, 32 Category 6 Couplers | Black | 398.89 | 382.93 | 366.97 | CALL |
| PR35F504B-SC6 | C | 3.50" (8.9cm) Panel, 32 Category 6 Couplers, Shielded | Black | 490.07 | 470.47 | 450.87 | CALL |
| PR175C5E-16M | C | 1.75" 16 Port Low Profile Straight Category 5e Feed-Thru Panel, Unshielded Mini-Coupler | Black | 136.98 | 131.50 | 126.02 | CALL |
| PR35C5E-32M | C | 3.50" 32 Port Low Profile Straight Category 5e Feed-Thru Panel, Unshielded Mini-Coupler | Black | 249.98 | 239.98 | 229.98 | CALL |
| PR175C5E-16SM | C | 1.75" 16 Port Low Profile Straight Category 5e Feed-Thru Panel, Shielded Mini-Coupler | Black | 166.98 | 160.30 | 153.62 | CALL |
| PR35C5E-32SM | C | 3.50" 32 Port Low Profile Straight Category 5e Feed-Thru Panel, Shielded Mini-Coupler | Black | 310.98 | 298.54 | 286.10 | CALL |
| PR175C6-16M | C | 1.75" 16 Port Low Profile Category 6 Feed-Thru Panel, Unshielded Mini-Coupler | Black | 152.98 | 146.86 | 140.74 | CALL |
| PR35C6-32M | C | 3.50" 32 Port Low Profile Category 6 Feed-Thru Panel, Unshielded Mini-Coupler | Black | 282.98 | 271.66 | 260.34 | CALL |
| PR175C6-16SM | C | 1.75" 16 Port Low Profile Category 6 Feed-Thru Panel, Shielded Mini-Coupler | Black | 183.98 | 176.62 | 169.26 | CALL |
| PR35C6-32SM | C | 3.50" 32 Port Low Profile Category 6 Feed-Thru Panel, Shielded Mini-Coupler | Black | 343.98 | 330.22 | 316.46 | CALL |
| PR175F504B-C5M | C | 1.75" 16 Port ECF Flange Mounted Low Profile Category 5e Feed-Thru Panel, Unshielded Mini-Coupler | Black | 185.98 | 178.54 | 171.10 | CALL |
| PR35F504B-C5M | C | 3.50" 32 Port ECF Flange Mounted Low Profile Category 5e Feed-Thru Panel, Unshielded Mini-Coupler | Black | 337.98 | 324.46 | 310.94 | CALL |
| PR175F504B-SC5M | C | 1.75" 16 Port ECF Flange Mounted Low Profile Category 5e Feed-Thru Panel, Shielded Mini-Coupler | Black | 226.98 | 217.90 | 208.82 | CALL |
| PR35F504B-SC5M | C | 3.50" 32 Port ECF Flange Mounted Low Profile Category 5e Feed-Thru Panel, Shielded Mini-Coupler | Black | 420.98 | 404.14 | 387.30 | CALL |
| PR175F504B-C6M | C | 1.75" 16 Port ECF Flange Mounted Low Profile Category 6 Feed-Thru Panel, Unshielded Mini-Coupler | Black | 202.98 | 194.86 | 186.74 | CALL |
| PR35F504B-C6M | C | 3.50" 32 Port ECF Flange Mounted Low Profile Category 6 Feed-Thru Panel, Unshielded Mini-Coupler | Black | 371.98 | 357.10 | 342.22 | CALL |
| PR175F504B-SC6M | C | 1.75" 16 Port ECF Flange Mounted Low Profile Category 6 Feed-Thru Panel, Shielded Mini-Coupler | Black | 235.98 | 226.54 | 217.10 | CALL |
| PR35F504B-SC6M | C | 3.50" 32 Port ECF Flange Mounted Low Profile Category 6 Feed-Thru Panel, Shielded Mini-Coupler | Black | 437.98 | 420.46 | 402.94 | CALL |
| PR175F504B | N/A | 1.75" (4.4cm) Panel, 16 ECF Style Cutouts | Black | 45.54 | 43.72 | 41.90 | CALL |
| PR35F504B | N/A | 3.50" (8.9cm) Panel, 32 ECF Style Cutouts | Black | 57.98 | 55.66 | 53.34 | CALL |
| PR175UT568 | B | 1.75" (4.4cm) Panel, 16 Category 5e Couplers | Black | 212.37 | 203.87 | 195.38 | CALL |
| PR175UT568S | F | 1.75" (4.4cm) Panel, 16 Category 5e Couplers, Shielded | Black | 253.82 | 243.66 | 233.51 | CALL |
| PR35UT568 | B | 3.50" (8.9cm) Panel, 32 Category 5e Couplers | Black | 357.44 | 343.14 | 328.84 | CALL |
| PR35UT568S | F | 3.50" (8.9cm) Panel, 32 Category 5e Couplers, Shielded | Black | 414.43 | 397.85 | 381.27 | CALL |
| PR175C6-16 | G | 1.75" (4.4cm) Panel, 16 Category 6 Couplers | Black | 216.51 | 207.85 | 199.19 | CALL |
| PR175C6-16S | D | 1.75" (4.4cm) Panel, 16 Category 6 Couplers, Shielded | Black | 273.50 | 262.56 | 251.62 | CALL |
| PR35C6-32 | G | 3.50" (8.9cm) Panel, 32 Category 6 Couplers | Black | 364.69 | 350.10 | 335.52 | CALL |
| PR35C6-32S | D | 3.50" (8.9cm) Panel, 32 Category 6 Couplers, Shielded | Black | 421.68 | 404.81 | 387.95 | CALL |
| PR175UJ16B | N/A | 1.75" (4.4cm) Panel, 16 Keystone Style Cutouts | Black | 34.14 | 32.78 | 31.41 | CALL |
| PR35UT568B | N/A | 3.50" (8.9cm) Panel, 32 Keystone Style Cutouts | Black | 45.54 | 43.72 | 41.90 | CALL |
| PR175-1606 | E | 1.75" (4.4cm) Panel, 16 Voice Grade RJ12 (6x6) IDC Jacks | Black | 67.30 | 64.61 | 61.92 | CALL |
| PR175-1608 | E | 1.75" (4.4cm) Panel, 16 Voice Grade RJ45 (8x8) IDC Jacks | Black | 131.55 | 126.28 | 121.02 | CALL |
| PR35-3206 | E | 3.50" (8.9cm) Panel, 32 Voice Grade RJ12 (6x6) IDC Jacks | Black | 90.10 | 86.49 | 82.89 | CALL |
| PR35-3208 | E | 3.50" (8.9cm) Panel, 32 Voice Grade RJ45 (8x8) IDC Jacks | Black | 170.92 | 164.08 | 157.25 | CALL |
| PR-CMB | N/A | Cable Management Bracket Kit for most L-com 19" (48.3cm) Panels Kit Contains: (Qty: 6) Extension Brackets, (Qty: 1) 19" (48.3cm) Crossbar, (Qty: 18) Flathead Screws | | 50.72 | 48.69 | 46.66 | CALL |

Best Seller

UPR35-6B

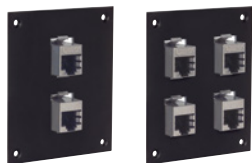
UPR-S-KIT
UPR-A-KITUSPB
USP-A

USP-P



USP2MC5B

USP4MC5B



USP2SMC5B

USP4SMC5B



USP2MC6B

USP4MC6B

USP2MC5BM
USP2MC6BM
USP2SMC6BMUSP4MC5BM
USP4MC6BM
USP4SMC6BM

USP2SMC5BM

USP4SMC5BM

USP2ECF-C5EBM
USP2ECF-C6BMUSP2ECF-SC5EBM
USP2ECF-SC6BM

USP2MK-C6B



USP4MK-C6B



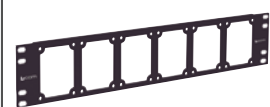
USP2MK-SC6B



USP4MK-SC6B



USP231B

Tip Build Custom Panels with L-com's Universal Sub-Panel System**STEP 1**

Start with the Master Rack Panel, UPR35-6B.

STEP 2

Now select a ready made sub-panel that works with your rack panel.

STEP 3

Using a Phillips or Flat screwdriver, install your sub-panels in the master rack panel.

| Item # | Description | 1-9 | 10-24 | 25-99 | 100+ |
|--------|-------------|-----|-------|-------|------|
|--------|-------------|-----|-------|-------|------|

Universal Master Rack Panel with 6 Openings

L-com's Universal Master Rack Series offers installers the ability to customize their installation with different connections within a single rack panel. The Universal Series panels can save time, money and rack space in an installation project. The master panels feature six punched rectangular openings that will accept any of the numerous USP Series sub-panels shown in this catalog. Sub-panel openings are 2.20" x 2.75" (5.6cm x 7.0cm).

| | | | | | |
|-----------|--|-------|-------|-------|------|
| UPR35-6B | Master Rack Panel, Black | 28.96 | 27.80 | 26.64 | CALL |
| UPR-S-KIT | Master Rack Panel with 6 Black Steel Blanks | 53.83 | 51.68 | 49.52 | CALL |
| UPR-A-KIT | Master Rack Panel with 6 Black Aluminum Blanks | 53.83 | 51.68 | 49.52 | CALL |
| PR-CMB | Cable Management Bracket Kit for most L-com 19" (48.3cm) Panels Kit Contains: (Qty: 6) Extension Brackets, (Qty: 1) 19" (48.3cm) Crossbar (Qty: 18) Flathead Screws | 50.72 | 48.69 | 46.66 | CALL |

Universal Series Blank Sub-Panels

Universal Series blank sub-panels can be used to cover unused openings or may be used to customize a panel assembly. These panels come in 3 different styles for users to choose from: black anodized aluminum, white high impact plastic or black steel. The aluminum and plastic panels offer the easiest option for custom drilling or punching holes. The black steel panels are constructed of sturdy .060 inch (0.2cm) (16 ga) cold rolled steel for durability. Each sub-panel is equipped with four pre-tapped holes to accept the four 6-32 mounting screws which are supplied.

| | | | | | |
|-------|---|------|------|------|------|
| USPB | Universal Steel Blank Sub-Panel, Black | 5.13 | 4.92 | 4.72 | CALL |
| USP-A | Universal Aluminum Blank Sub-Panel, Black | 5.13 | 4.92 | 4.72 | CALL |
| USP-P | Universal Plastic Blank Sub-Panel, White | 5.13 | 4.92 | 4.72 | CALL |

Universal Series Sub-Panels Featuring Telecom/Network Grade Connections

The Universal sub-panel series offers connections for telecom and network equipment. Choose between Category 3, Category 5e or Category 6 rated connections either shielded or non-shielded. Panel choices offer both feed-thru style couplers and jacks with 110 style punch terminations. Either 2 or 4 connections per panel can be chosen and blank panels are available for further customization. All panels are black steel and come equipped with four pre-tapped holes to accept the four 6-32 mounting screws which are supplied.

| | | | | | |
|------------|--|-------|-------|-------|------|
| USP2ECF4SB | Sub-Panel with 2 ECF Style RJ11 (6x4) Couplers, Straight Wired | 16.53 | 15.87 | 15.21 | CALL |
| USP2ECF6SB | Sub-Panel with 2 ECF Style RJ12 (6x6) Couplers, Straight Wired | 16.53 | 15.87 | 15.21 | CALL |

| | | | | | |
|-------------|---|-------|-------|-------|------|
| USP2ECF8SKB | Sub-Panel with 2 ECF Style RJ45K (8x8) Keyed Couplers, Straight Wired | 18.60 | 17.86 | 17.11 | CALL |
| USP2ECF4SB | Sub-Panel with 2 ECF Style RJ11 (6x4) Couplers, Straight Wired | 20.67 | 19.85 | 19.02 | CALL |
| USP2ECF6SB | Sub-Panel with 2 ECF Style RJ12 (6x6) Couplers, Straight Wired | 20.67 | 19.85 | 19.02 | CALL |
| USP2ECF8SKB | Sub-Panel with 2 ECF Style RJ45K (8x8) Keyed Couplers, Straight Wired | 22.74 | 21.83 | 20.93 | CALL |

| | | | | | |
|--------------|---|-------|-------|-------|------|
| USP2ECF-C3B | Sub-Panel with 2 Category 3 RJ45 (8x8) Couplers | 24.82 | 23.82 | 22.83 | CALL |
| USP2ECF-SC3B | Sub-Panel with 2 Category 3 RJ45 (8x8) Couplers, Shielded | 30.00 | 28.80 | 27.60 | CALL |

| | | | | | |
|------------|---|-------|-------|-------|------|
| USP2MC5BM | Sub-Panel with 2 Category 5e Low Profile Mini-Couplers, RJ45 Straight Thru | 19.98 | 19.18 | 18.38 | CALL |
| USP4MC5BM | Sub-Panel with 4 Category 5e Low Profile Mini-Couplers, RJ45 Straight Thru | 32.98 | 31.66 | 30.34 | CALL |
| USP2SMC5BM | Sub-Panel w/ 2 Category 5e Low Profile Mini-Couplers, RJ45 Straight Thru, Shielded | 23.78 | 22.83 | 21.88 | CALL |
| USP4SMC5BM | Sub-Panel w/ 4 Category 5e Low Profile Mini-Couplers, RJ45 Straight Thru, Shielded | 40.98 | 39.34 | 37.70 | CALL |
| USP2MC6BM | Sub-Panel with 2 Category 6 Low Profile Mini-Couplers, RJ45 Straight Thru | 22.98 | 22.06 | 21.14 | CALL |
| USP4MC6BM | Sub-Panel with 4 Category 6 Low Profile Mini-Couplers, RJ45 Straight Thru | 36.98 | 35.50 | 34.02 | CALL |
| USP2SMC6BM | Sub-Panel with 2 Category 6 Low Profile Mini-Couplers, RJ45 Straight Thru, Shielded | 25.98 | 24.94 | 23.90 | CALL |
| USP4SMC6BM | Sub-Panel with 4 Category 6 Low Profile Mini-Couplers, RJ45 Straight Thru, Shielded | 44.98 | 43.18 | 41.38 | CALL |

| | | | | | |
|----------------|--|-------|-------|-------|------|
| USP2ECF-C5EBM | Sub-Panel with 2 ECF Kit Category 5e Low Profile Mini-Couplers, RJ45, Unshielded | 24.98 | 23.98 | 22.98 | CALL |
| USP2ECF-SC5EBM | Sub-Panel with 2 ECF Kit Category 5e Low Profile Mini-Couplers, RJ45, Shielded | 29.98 | 28.78 | 27.58 | CALL |
| USP2ECF-C6BM | Sub-Panel with 2 ECF Kit Category 6 Low Profile Mini-Couplers, RJ45, Unshielded | 26.98 | 25.90 | 24.82 | CALL |
| USP2ECF-SC6BM | Sub-Panel with 2 ECF Kit Category 6 Low Profile Mini-Couplers, RJ45, Shielded | 30.98 | 29.74 | 28.50 | CALL |
| USP2KC-R5EB | Sub-Panel with 2 Category 5e Right Angle Keystone Couplers | 33.11 | 31.78 | 30.46 | CALL |
| USP2KCS-R5EB | Sub-Panel with 2 Category 5e Right Angle Keystone Couplers, Shielded | 38.29 | 36.76 | 35.22 | CALL |
| USP4KC-R5EB | Sub-Panel with 4 Category 5e Right Angle Keystone Couplers | 57.98 | 55.66 | 53.34 | CALL |
| USP4KCS-R5EB | Sub-Panel with 4 Category 5e Right Angle Keystone Couplers, Shielded | 67.30 | 64.61 | 61.92 | CALL |

| | | | | | |
|---------|--|------|------|------|------|
| USP238B | Blank Sub-Panel with 2 Keystone Openings, Pre-Punched | 7.20 | 6.91 | 6.63 | CALL |
| USP231B | Blank Sub-Panel with 4 Keystone Openings, Pre-Punched | 7.20 | 6.91 | 6.63 | CALL |
| USP229B | Blank Sub-Panel with 2 ECF Style Openings, Pre-Punched | 7.20 | 6.91 | 6.63 | CALL |



| Item # | Description | 1-9 | 10-24 | 25-99 | 100+ |
|--------|-------------|-----|-------|-------|------|
|--------|-------------|-----|-------|-------|------|

Universal Series Sub-Panels Featuring Telecom, USB and Firewire Connections

This Universal sub-panel series offers connections for today's modern computer systems. Installers can choose the sub-panel that fits their specific connection needs. Panels come in a choice of feed-thru style couplers with either 2 or 4 connections per panel. A blank panel with ECF Series style openings is available for further customization. All panels are black steel and come equipped with four pre-tapped holes to accept the four 6-32 mounting screws which are supplied.

| | | | | | |
|---------------|--|-------|-------|-------|------|
| USP2ECF4SB | Sub-Panel with 2 RJ11 (6x4) Couplers, Straight Wired | 16.53 | 15.87 | 15.21 | CALL |
| USP2ECF6SB | Sub-Panel with 2 RJ12 (6x6) Couplers, Straight Wired | 16.53 | 15.87 | 15.21 | CALL |
| USP2ECF8SKB | Sub-Panel with 2 RJ45 (8x8) Couplers, Straight Wired | 18.60 | 17.86 | 17.11 | CALL |
| USP2ECF-UABB | Sub-Panel with 2 USB Type A to Type B Couplers | 20.67 | 19.85 | 19.02 | CALL |
| USP2ECF-UABSB | Sub-Panel with 2 USB Type A to Type B Couplers, Shielded | 22.74 | 21.83 | 20.93 | CALL |
| USP2ECF-94MSB | Sub-Panel with 2 Firewire Type 1 Couplers, Shielded | 27.93 | 26.81 | 25.69 | CALL |
| USP229B | Blank Sub-Panel with 2 ECF Style Openings, Pre-Punched | 7.20 | 6.91 | 6.63 | CALL |

Universal Series Sub-Panels Featuring GPIB (IEEE-488) Couplers and Switch Boxes

This Universal sub-panel series offers couplers and switch boxes for IEEE-488 cabling installations. Panels come with either a standard GPIB coupler or a reverse entry style coupler mounted. We also carry a line of GPIB Switch Boxes that can be mounted into the Universal Series Master Frames. All panels are black steel and come equipped with four pre-tapped holes to accept the four 6-32 mounting screws which are supplied.

| | | | | | |
|-----------|--|--------|-------|-------|------|
| USP24BFB | Sub-Panel with 1 IEEE-488 (GPIB) Normal Entry Coupler | 40.36 | 38.75 | 37.13 | CALL |
| USP24BFRB | Sub-Panel with 1 IEEE-488 (GPIB) Reverse Entry Coupler | 40.36 | 38.75 | 37.13 | CALL |
| USP-GOAB | Switch Box, A to Rear I/O, B to Rear I/O, Off | 100.93 | 96.89 | 92.86 | CALL |

Universal Series Sub-Panels Featuring Binding Post Connections for Test Applications

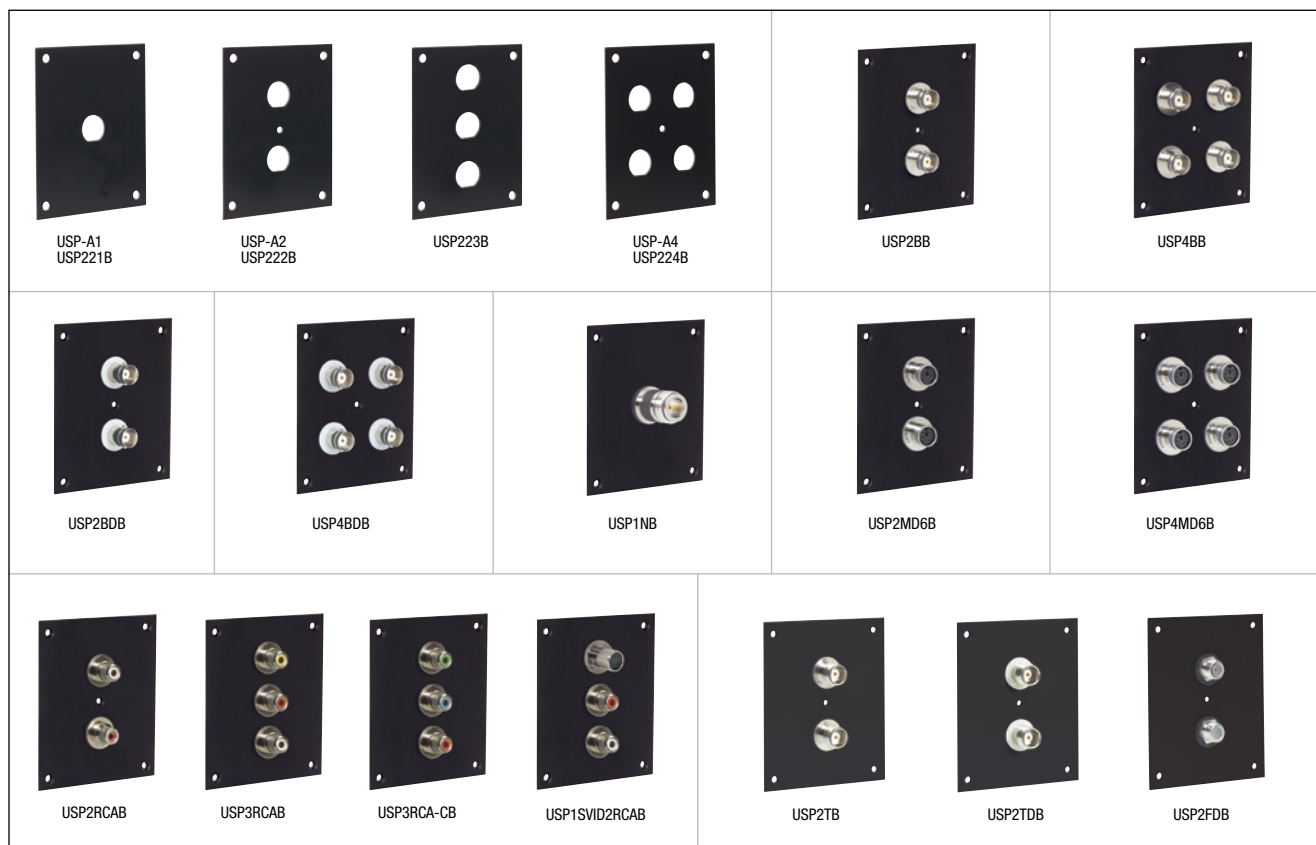
This Universal sub-panel series offers connections for test applications. All panels are black steel and come equipped with four pre-tapped holes to accept the four 6-32 mounting screws which are supplied.

| | | | | | |
|----------|---|-------|------|------|------|
| USP-BPRB | Sub-Panel with Binding Post Pair, Black/Red | 10.31 | 9.90 | 9.49 | CALL |
|----------|---|-------|------|------|------|

Universal Series Sub-Panel Accessories

Users can keep extra adapters handy with the optional drawer that fits into any one of the 6 Master Rack sub-panel openings. A D-Ring style cable manager mounted to a sub-panel is also available allowing for another convenient way to secure cables on the rack panel.

| | | | | | |
|------------|---|-------|-------|-------|------|
| USP-D2B | Sub-Panel Mounted Drawer, 6" (15.2cm) Depth | 22.74 | 21.83 | 20.93 | CALL |
| USP-CM134B | Sub-Panel Mounted Cable D-Ring | 19.64 | 18.85 | 18.07 | CALL |



| Item # | Description | 1-9 | 10-24 | 25-99 | 100+ |
|--------|-------------|-----|-------|-------|------|
|--------|-------------|-----|-------|-------|------|

Universal Series Sub-Panels Featuring Coaxial and Mini DIN Couplers

This Universal sub-panel series offers connections for data transmission over coaxial and DIN style connectors. Installers can choose the sub-panel that fits their specific connection needs. Panel choices offer feed-thru style couplers in either 2 or 4 connections per panel. Blank panels are also available for further customization. All panels come equipped with four pre-tapped holes to accept the four 6-32 mounting screws which are supplied.

| | | | | | |
|--------|---|------|------|------|------|
| USP-A1 | Blank Sub-Panel with 1 0.5" (1.3cm) D-Hole, Black Aluminum | 6.17 | 5.92 | 5.67 | CALL |
| USP-A2 | Blank Sub-Panel with 2 0.5" (1.3cm) D-Holes, Black Aluminum | 6.17 | 5.92 | 5.67 | CALL |
| USP-A4 | Blank Sub-Panel with 4 0.5" (1.3cm) D-Holes, Black Aluminum | 6.17 | 5.92 | 5.67 | CALL |

| | | | | | |
|---------|--|------|------|------|------|
| USP221B | Blank Sub-Panel with 1 0.5" (1.3cm) D-Hole, Black Steel | 6.17 | 5.92 | 5.67 | CALL |
| USP222B | Blank Sub-Panel with 2 0.5" (1.3cm) D-Holes, Black Steel | 6.17 | 5.92 | 5.67 | CALL |
| USP223B | Blank Sub-Panel with 3 0.5" (1.3cm) D-Holes, Black Steel | 6.17 | 5.92 | 5.67 | CALL |
| USP224B | Blank Sub-Panel with 4 0.5" (1.3cm) D-Holes, Black Steel | 6.17 | 5.92 | 5.67 | CALL |

| | | | | | |
|---------|--|-------|-------|-------|------|
| USP2BB | Sub-Panel with 2 BNC Couplers | 16.53 | 15.87 | 15.21 | CALL |
| USP4BB | Sub-Panel with 4 BNC Couplers | 25.85 | 24.82 | 23.78 | CALL |
| USP2BDB | Sub-Panel with 2 BNC Couplers, Insulated | 17.56 | 16.86 | 16.16 | CALL |
| USP4BDB | Sub-Panel with 4 BNC Couplers, Insulated | 28.96 | 27.80 | 26.64 | CALL |

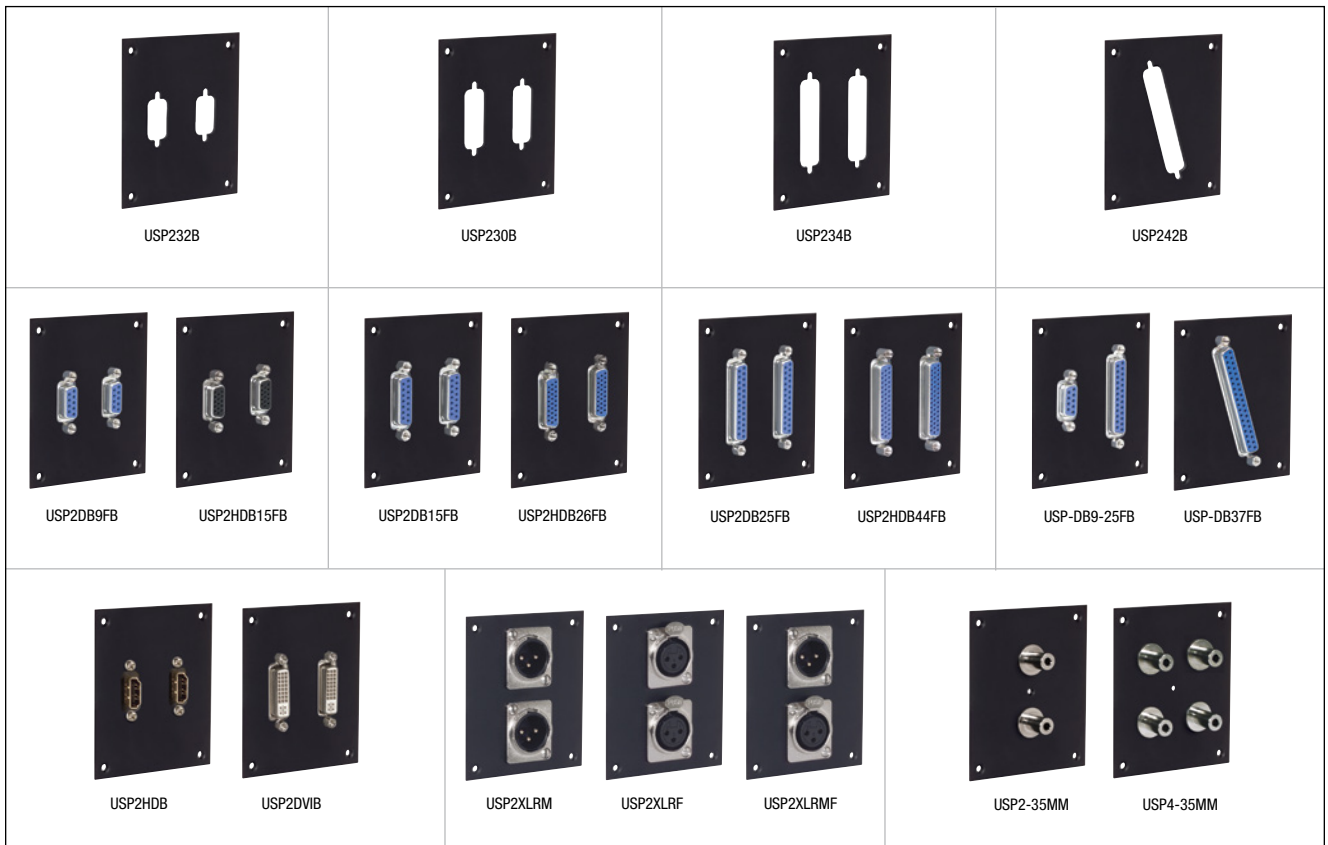
| | | | | | |
|--------|---------------------------------|-------|-------|-------|------|
| USP1NB | Sub-Panel with 1 Type N Coupler | 22.74 | 21.83 | 20.93 | CALL |
|--------|---------------------------------|-------|-------|-------|------|

| | | | | | |
|----------|--------------------------------------|-------|-------|-------|------|
| USP2MD6B | Sub-Panel with 2 Mini DIN 6 Couplers | 25.85 | 24.82 | 23.78 | CALL |
| USP4MD6B | Sub-Panel with 4 Mini DIN 6 Couplers | 45.54 | 43.72 | 41.90 | CALL |

| | | | | | |
|---------------|---|-------|-------|-------|------|
| USP2RCAB | Sub-Panel with 2 RCA Couplers, Red/White | 15.49 | 14.87 | 14.25 | CALL |
| USP3RCAB | Sub-Panel with 3 RCA Couplers, Yellow/Red/White | 18.60 | 17.86 | 17.11 | CALL |
| USP3RCA-CB | Sub-Panel with 3 RCA Couplers, Green/Blue/Red | 18.60 | 17.86 | 17.11 | CALL |
| USP1SVID2RCAB | Sub-Panel with 1 Mini DIN 4 and 2 RCA Couplers | 23.78 | 22.83 | 21.88 | CALL |

| | | | | | |
|---------|--|-------|-------|-------|------|
| USP2TB | Sub-Panel with 2 TNC Couplers | 17.56 | 16.86 | 16.16 | CALL |
| USP2TDB | Sub-Panel with 2 TNC Couplers, Insulated | 19.64 | 18.85 | 18.07 | CALL |

| | | | | | |
|---------|---|-------|-------|-------|------|
| USP2FDB | Sub-Panel with 2 Type F Couplers, Insulated | 12.38 | 11.89 | 11.39 | CALL |
|---------|---|-------|-------|-------|------|



| Item # | Description | 1-9 | 10-24 | 25-99 | 100+ |
|--------|-------------|-----|-------|-------|------|
|--------|-------------|-----|-------|-------|------|

Universal Series Sub-Panels Featuring D-Sub Connections

This Universal sub-panel series offers connections for D-Sub style cables. Installers can choose the sub-panel that fits their specific connection needs. Panel choices are available with up to 2 feed-thru style couplers per panel. Blank panels are available for further customization. All panels come equipped with four pre-tapped holes to accept the four 6-32 mounting screws which are supplied.

| | | | | | |
|---------|--|------|------|------|------|
| USP232B | Blank Sub-Panel with 2 DB9/HD15 Cutouts | 7.20 | 6.91 | 6.63 | CALL |
| USP230B | Blank Sub-Panel with 2 DB15/HD26 Cutouts | 7.20 | 6.91 | 6.63 | CALL |
| USP234B | Blank Sub-Panel with 2 DB25/HD44 Cutouts | 7.20 | 6.91 | 6.63 | CALL |
| USP242B | Blank Sub-Panel with 1 DB37/HD62 Cutout | 7.20 | 6.91 | 6.63 | CALL |

| | | | | | |
|-------------|---------------------------------------|-------|-------|-------|------|
| USP2DB9FB | Sub-Panel with 2 DB9 Female Couplers | 18.60 | 17.86 | 17.11 | CALL |
| USP2HDB15FB | Sub-Panel with 2 HD15 Female Couplers | 24.82 | 23.82 | 22.83 | CALL |

| | | | | | |
|-------------|---------------------------------------|-------|-------|-------|------|
| USP2DB15FB | Sub-Panel with 2 DB15 Female Couplers | 20.67 | 19.85 | 19.02 | CALL |
| USP2HDB26FB | Sub-Panel with 2 HD26 Female Couplers | 26.89 | 25.81 | 24.74 | CALL |

| | | | | | |
|-------------|---------------------------------------|-------|-------|-------|------|
| USP2DB25FB | Sub-Panel with 2 DB25 Female Couplers | 22.74 | 21.83 | 20.93 | CALL |
| USP2HDB44FB | Sub-Panel with 2 HD44 Female Couplers | 30.00 | 28.80 | 27.60 | CALL |

| | | | | | |
|--------------|--|-------|-------|-------|------|
| USP-DB9-25FB | Sub-Panel with 1 DB9 and 1 DB25 Female Coupler | 20.67 | 19.85 | 19.02 | CALL |
| USP-DB37FB | Sub-Panel with 1 DB37 Female Coupler | 16.53 | 15.87 | 15.21 | CALL |

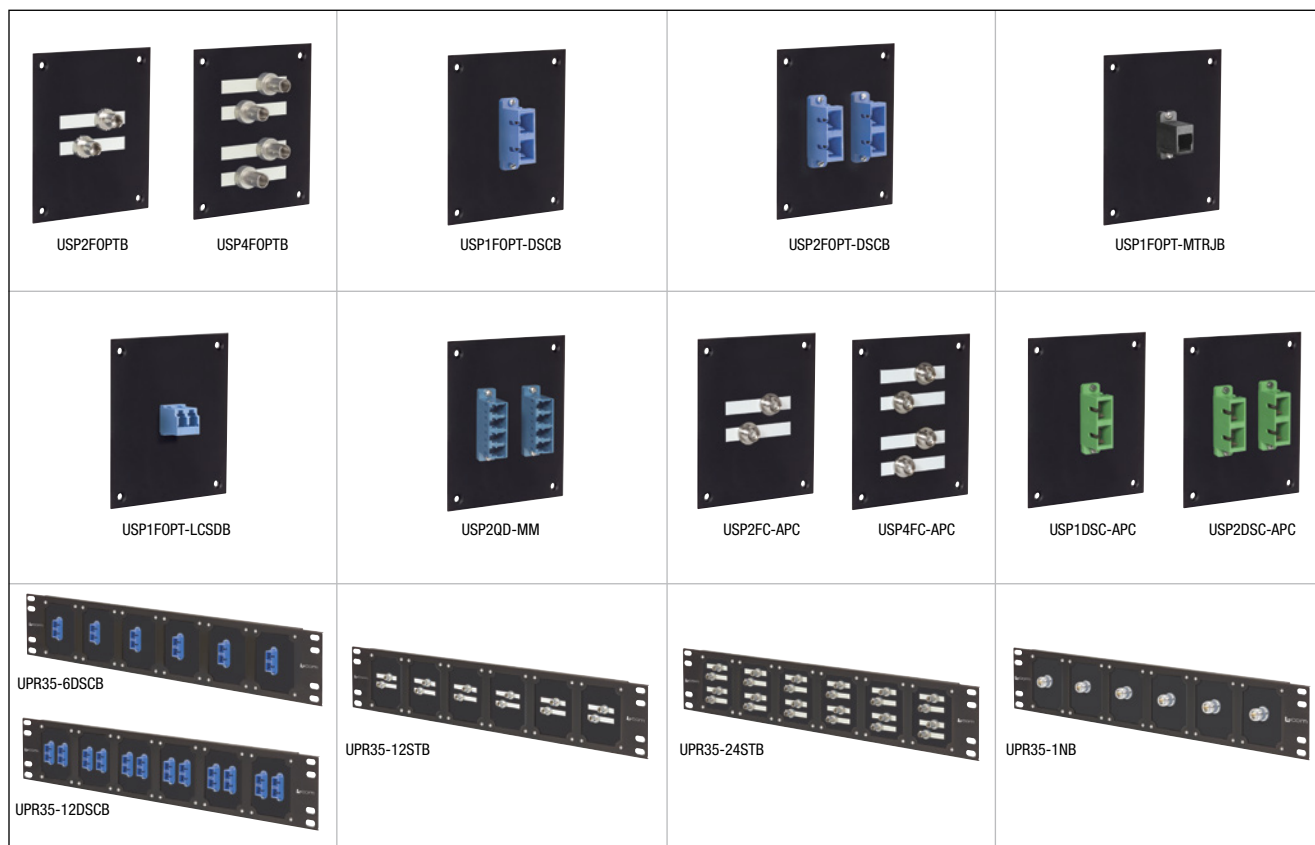
Universal Series Audio/Video Sub-Panels

Design and build your own custom rack panel using simple pre-fabricated sub-panels. These steel sub-panels feature a variety of couplers and connectors with a black matte finish. Supplied with four 6-32 screws for quick installation into L-com's Universal Master Rack Frame.

| | | | | | |
|----------|---------------------------------------|-------|-------|-------|------|
| USP2HDB | Sub-Panel with 2 HDMI Female Couplers | 31.03 | 29.79 | 28.55 | CALL |
| USP2DVIB | Sub-Panel with 2 DVI Female Couplers | 41.40 | 39.74 | 38.08 | CALL |

| | | | | | |
|-----------|--|-------|-------|-------|------|
| USP2XLRM | Sub-Panel with 2 XLR Male Connectors | 15.49 | 14.87 | 14.25 | CALL |
| USP2XLRF | Sub-Panel with 2 XLR Female Connectors | 15.49 | 14.87 | 14.25 | CALL |
| USP2XLRMF | Sub-Panel with 1 XLR Male Connector and 1 XLR Female Connector | 15.49 | 14.87 | 14.25 | CALL |

| | | | | | |
|-----------|---------------------------------------|-------|-------|-------|------|
| USP2-35MM | Sub-Panel with 2 3.5mm Audio Couplers | 23.78 | 22.83 | 21.88 | CALL |
| USP4-35MM | Sub-Panel with 4 3.5mm Audio Couplers | 16.53 | 15.87 | 15.21 | CALL |



| Item # | Description | 1-9 | 10-24 | 25-99 | 100+ |
|--------|-------------|-----|-------|-------|------|
|--------|-------------|-----|-------|-------|------|

Universal Series Sub-Panels Featuring Fiber Optic Couplers

This Universal sub-panel series offers connections for fiber networks. Panel choices available in ST, SC, MTRJ, LC or FC coupler configurations. All panels are black steel and come equipped with four pre-tapped holes to accept the four 6-32 mounting screws which are supplied.

| | | | | | |
|-----------|--------------------------------------|-------|-------|-------|------|
| USP2FOPTB | Sub-Panel with 2 Simplex ST Couplers | 17.56 | 16.86 | 16.16 | CALL |
| USP4FOPTB | Sub-Panel with 4 Simplex ST Couplers | 22.74 | 21.83 | 20.93 | CALL |

| | | | | | |
|---------------|-------------------------------------|-------|-------|-------|------|
| USP1FOPT-DSCB | Sub-Panel with 1 Duplex SC Coupler | 19.64 | 18.85 | 18.07 | CALL |
| USP2FOPT-DSCB | Sub-Panel with 2 Duplex SC Couplers | 22.74 | 21.83 | 20.93 | CALL |

| | | | | | |
|----------------|------------------------------------|-------|-------|-------|------|
| USP1FOPT-MTRJB | Sub-Panel with 1 MTRJ Coupler | 28.96 | 27.80 | 26.64 | CALL |
| USP1FOPT-LCSDB | Sub-Panel with 1 Duplex LC Coupler | 19.64 | 18.85 | 18.07 | CALL |

| | | | | | |
|-----------|---|-------|-------|-------|------|
| USP2QD-MM | Sub-Panel with 2 Multimode Quad LC Couplers | 28.96 | 27.80 | 26.64 | CALL |
| USP2QD-SM | Sub-Panel with 2 Single mode Quad LC Couplers | 45.54 | 43.72 | 41.90 | CALL |

| | | | | | |
|------------|--|-------|-------|-------|------|
| USP2FC-APC | Sub-Panel with 2 Simplex APC FC Couplers | 31.03 | 29.79 | 28.55 | CALL |
| USP4FC-APC | Sub-Panel with 4 Simplex APC FC Couplers | 49.69 | 47.70 | 45.71 | CALL |

| | | | | | |
|-------------|---|-------|-------|-------|------|
| USP1DSC-APC | Sub-Panel with 1 Duplex APC SC Coupler | 27.93 | 26.81 | 25.69 | CALL |
| USP2DSC-APC | Sub-Panel with 2 Duplex APC SC Couplers | 30.00 | 28.80 | 27.60 | CALL |

Universal Series Master Rack Panel Pre-Populated with USP Series Fiber Optic Sub-Panels

These Master Rack Panels come with our USP Series Fiber Sub-panels already pre-installed. Available in 12 and 24 Port configurations, these panels are offered in SC or ST versions. These panels provide a straight out of the box solution to many connectivity needs. No need for assembly on site, just install these panels on your rack and start patching in your cables right away.

| | | | | | |
|--------------|---|--------|--------|--------|------|
| UPR35-6DSCB | 3.50" (8.9cm) Universal Rack Panel, 6 Duplex SC Couplers | 148.12 | 142.20 | 136.27 | CALL |
| UPR35-12DSCB | 3.50" (8.9cm) Universal Rack Panel, 12 Duplex SC Couplers | 170.92 | 164.08 | 157.25 | CALL |



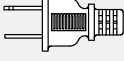
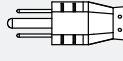



| | | | | | |
|-------------|--|--------|--------|--------|------|
| UPR35-12STB | 3.50" (8.9cm) Universal Rack Panel, 12 ST Couplers | 129.47 | 124.29 | 119.12 | CALL |
| UPR35-24STB | 3.50" (8.9cm) Universal Rack Panel, 24 ST Couplers | 170.92 | 164.08 | 157.25 | CALL |

Universal Rack Panel with 6 Type N Coaxial Grounded Couplers, 50 Ohm

L-com's Universal Sub-Panel system offers you an easy way to configure a customized rack panel with various connectors. This rack frame comes pre-loaded with six Type N Coaxial coupler panels.

| | | | | | |
|-----------|---|--------|--------|--------|------|
| UPR35-1NB | 3.50" (8.9cm) Universal Rack Panel, 6 Type N Coaxial Couplers Note: Type N Coupler Grounded to Sub-Panel & Sub-Panel Mounting Screws Each of the 6 Sub-Panels are electrically isolated from each other. | 159.52 | 153.14 | 146.76 | CALL |
|-----------|---|--------|--------|--------|------|

Power Cord Identification Guide

| | | | | | |
|--|--|--|---|--|---|
|  CEE 7/16 "Europlug" |  NEMA 1/15 Polarized |  NEMA 5/15 |  NEMA 5/15 Hospital Grade |  BS1363 "UK" |  C13 |
|  C14 | | | | | |

| Item # | Description | 1-9 | 10-24 | 25-99 | 100+ |
|--------|-------------|-----|-------|-------|------|
|--------|-------------|-----|-------|-------|------|

Domestic and International Power Cords - UL/CSA or European Approved

L-com stocks several popular external power cords for domestic, international and medical applications. All assemblies are fully molded and meet the required safety specifications.

Domestic LSZH Power Cords - UL/CSA Approved

LSZH (Low Smoke Zero Halogen) versions of our Standard North American N5/15 to C13 power cords in 2 & 3 meter lengths. Available in three gauges 18 AWG, 16 AWG & 14 AWG to meet your particular power requirements.

| | | | | | |
|-------------|--|-------|-------|-------|------|
| LCPWR16Z-2M | LSZH Power Cord SJE3 - 16 AWG, N5/15 - C13 Black, 2m (6.6ft) | 16.56 | 15.90 | 15.23 | CALL |
| LCPWR14Z-2M | LSZH Power Cord SJE3 - 14 AWG, N5/15 - C13 Black, 2m (6.6ft) | 21.74 | 20.87 | 20.00 | CALL |

Domestic Power Cords - UL/CSA Approved

Connector options include N1/15 to C7, N5/15 to regular and locking C13 and pigtail end. Heavy duty 18 AWG cable, color is black.

| | | | | | |
|---------------|---|------|------|------|------|
| PCM1000 | Power Cord SPT2 - 18 AWG, N1/15 - C7 Black, 2m (6.6ft) | 4.09 | 3.93 | 3.77 | CALL |
| PCM1010 | Power Cord SVT3 - 18 AWG, N5/15 - Pigtail Black, 2m (6.6ft) | 5.13 | 4.92 | 4.72 | CALL |
| PCM1012 | Power Cord SVT3 - 18 AWG, N5/15 - C13 Black, 2.3m (7.6ft) | 6.17 | 5.92 | 5.67 | CALL |
| PCM1014 | Power Cord SPT3 - 18 AWG, N5/15 - C13 Black, 3m (9.8ft) | 7.20 | 6.91 | 6.63 | CALL |
| LC-PWRN15LK-6 | Locking IEC Power Cord SPT3 - 18 AWG, N5/15 - Locking C13 Black, 1.8m (6.0ft) | 9.07 | 8.70 | 8.34 | CALL |

Hospital Grade Power Cords - UL/CSA Approved

Connector options are Hospital Grade N5/15 molded gray/clear and black to regular and locking C13. Heavy duty 18 AWG cable, colors are gray and black.

| | | | | | |
|-----------------|---|-------|-------|-------|------|
| PCM1050 | Power Cord SPT3 - 18 AWG, N5/15 - Hospital Grade Gray Mold - C13 Gray, 3.1m (10.0ft) | 9.79 | 9.40 | 9.01 | CALL |
| PCM1052 | Power Cord SPT3 - 18 AWG, N5/15 - Hospital Grade Clear Mold - C13 Gray, 3.1m (10.0ft) | 9.79 | 9.40 | 9.01 | CALL |
| LC-PWRN15HLK-10 | Locking IEC Power Cord SPT3 - 18 AWG, N5/15 Hospital Grade - Locking C13 Black, 3.1m (10.0ft) | 18.60 | 17.86 | 17.11 | CALL |

International Power Cords - Meets VDE and Several Other Approvals

Connector options are CEE 7/7 to C13, EN50075/XVI (CEE 7/16 "Europlug" Type C) to C7 and BS1363 to locking C13, color is black.

| | | | | | |
|-----------------|---|-------|-------|-------|------|
| PCM1020 | Power Cord H05VVF3G - 18 AWG, CEE 7/7 - C13 Black, 2.5m (8.2ft) | 8.24 | 7.91 | 7.58 | CALL |
| PCM1030 | Power Cord H03VWH2F2 - 21 AWG, CEE 7/16 - C7 Black, 1.8m (6.0ft) | 7.20 | 6.91 | 6.63 | CALL |
| LC-PWREUROLK-2M | Locking IEC Power Cord H05VVF3G - 18 AWG, CEE 7/7 - Locking C13 Black, 1.8m (6.0ft) | 11.76 | 11.29 | 10.82 | CALL |
| LC-PWRUKLK-2M | Locking IEC Power Cord H05VVF3G - 21 AWG, BS1363 - Locking C13 Black, 1.8m (6.0ft) | 13.63 | 13.08 | 12.54 | CALL |

Universally Approved Jumper Cords - Domestic and European Approved, UL/CSA, VDE

Connector options are C14 to regular and locking C13, heavy duty 18 AWG cable, color is black.

| | | | | | |
|---------------|---|-------|-------|-------|------|
| PCM1040 | Power Cord SPT3 - 18 AWG, C14 - C13 Black, 1m (3.3ft) | 5.13 | 4.92 | 4.72 | CALL |
| PCM1042 | Power Cord SPT3 - 18 AWG, C14 - C13 Black, 2m (6.6ft) | 6.17 | 5.92 | 5.67 | CALL |
| PCM1044 | Power Cord SPT3 - 18 AWG, C14 - C13 Black, 3m (9.8ft) | 7.20 | 6.91 | 6.63 | CALL |
| LC-PWRC14LK-6 | Locking IEC Power Cord SPT3 - 18 AWG, C14 - Locking C13 Black, 1.8m (6.0ft) | 11.76 | 11.29 | 10.82 | CALL |

Switching Power Supplies, Power Cords, PoE Power Supplies and Lighter Power Adapters

We offer a broad range of switching power supplies which support 110/220 VAC operation. Models in this series include 9 VDC, 12 VDC, 15 VDC and 48 VDC options. Additionally, PoE power supplies are available which provide data and power over a single Cat5 cable to end devices which are compliant with IEEE standard PoE pinout (Pins 4 & 5 Power +/Pins 7 & 8 Power -).

Switching Power Supplies

| | | | | | |
|--------------|---|-------|-------|-------|------|
| PS909-21R | 9 VDC @ 1A (9W), 2.1mm DC Plug | 10.67 | 10.25 | 9.82 | CALL |
| PS1212-21R | 12 VDC @ 1A (12W), 2.1mm Right Angle DC Plug | 13.89 | 13.33 | 12.77 | CALL |
| PS1224-21R | 12 VDC @ 2A (24W), 2.1mm Right Angle DC Plug | 15.54 | 14.92 | 14.30 | CALL |
| PS1240-21R | 12 VDC @ 3.33A (40W), 2.1mm Right Angle DC Plug | 22.80 | 21.88 | 20.97 | CALL |
| PS1566 | 15 VDC @ 4.4A (66W), 2.1mm DC Plug | 93.26 | 89.53 | 85.80 | CALL |
| PS4820-POE-1 | 48 VDC @ 20W, Dual RJ45 Jacks | 26.00 | 24.44 | 22.88 | CALL |
| PS4870-25R | 48 VDC @ 1.5A (70W), 2.5mm Right Angle DC Plug | 63.00 | 60.48 | 57.96 | CALL |
| PS4848-25R | 48 VDC @ 1A (48W) 2.5mm Right Angle DC Plug | 25.85 | 25.34 | 24.82 | CALL |

Lighter Plug to 2.1mm Right Angle DC Plug, 3A Fuse

| | | | | | |
|---------------|--|-------|------|------|------|
| PS-LIGHTER-06 | Cigarette Plug to 2.1mm Right Angle DC Plug, 3A Fuse, 6ft (1.8m) | 10.36 | 9.95 | 9.53 | CALL |
|---------------|--|-------|------|------|------|

12 Volt to 48 Volt DC/DC Boost Converter (Regulator)

The PC12480.8 DC-to-DC converter is designed to convert 12VDC (12-26) battery voltage to 48VDC @ 0.85A. It is ideal for mobile applications that require 48VDC electronic equipment to be powered by converting the 12VDC (12-26) power from most cars, trucks or aircraft.

| | | | | | |
|-----------|--|-------|-------|-------|------|
| PC12480.8 | 12 Volt to 48 Volt DC/DC Boost Converter (Regulator) | 56.99 | 54.71 | 52.43 | CALL |
|-----------|--|-------|-------|-------|------|

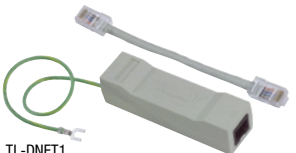
Accessories

| | | | | | |
|---------|--|------|------|------|------|
| PSX-EU1 | US Flat or Euro Round to Euro 4.8mm Round Pins A/C Adapter | 4.14 | 3.73 | 3.32 | CALL |
| PSX-EU2 | EU 4/4.8mm Round to US NEMA 6-15R Flat Blades A/C Adapter | 4.14 | 3.73 | 3.32 | CALL |
| PSCORD2 | 2 Conductor Plug, USA/AC Power Cord, 1ft (0.3m) | 4.14 | 3.98 | 3.81 | CALL |
| PSCORD3 | 3 Conductor Plug, USA/AC Power Cord, 1ft (0.3m) | 3.61 | 3.46 | 3.32 | CALL |



PD-915R
(Front View)PD-915R
(Rear View)

TL-SS7415-15



TL-DNET1

TL-IBAR12
(rack mount)

TL-RS1215



TL-OFFICE300

TL-OFFICE500
(Front and Rear View)SU1500RTXL2UA
(Front and Rear View)

Middle Atlantic 19" x 1.75" (48.3 x 4.4cm) Rackmountable Power Distribution Unit with Surge Protection

The PD-915R rackmount power distribution unit is equipped with 8 rear outlets and one front outlet. Standard equipment includes surge and spike protection, EMI filtering and a 9 foot cord. A generous 8.75" (22.2cm) depth offers easy access to the 15 amp rear panel outlets which are solidly mounted on yokes to eliminate deflection. An illuminated combination power switch/circuit breaker is located on the front panel. Occupies one rackspace, finished with a durable black powder coat. UL recognized, listing pending. **As an authorized Middle Atlantic reseller, we can bid on RFQs for any Middle Atlantic part numbers. Contact us to request a non-obligatory quote.**

| Item # | System Type | Number of Outlets | Dimensions (Inches) | Rack Mounting | Shipping Weight | Price |
|---------|-------------|-------------------|----------------------|---------------|-----------------|--------|
| PD-915R | Surge Only | 9 | 7.5w x 1.75h x 8.75d | 1 Space | 8.5 | 133.48 |

Tripp Lite 16 and 24 Outlet Power Strips with Surge Suppression

These Tripp Lite power strips with AC surge suppression offer a convenient method of horizontal or vertical power distribution in equipment racks, computer rooms, workbenches, raceways and more. By utilizing these power strips you can protect connected equipment from transient surges and line noise with built-in surge suppression rated at 450 joules. Corded, multi-outlet strip reduces cabling clutter and enables the connection of multiple electrical devices to a single AC wall socket. Features rugged all-metal housing, lighted power switch with transparent guard to prevent accidental shutoff, 15A resettable circuit breaker and attractive gray housing with black output receptacles. **As an authorized Tripp Lite reseller, we can bid on RFQs for any Tripp Lite part numbers. Contact us to request a non-obligatory quote.**

| Item # | System Type | Number of Outlets | Dimensions (Inches) | Shipping Weight | Price |
|--------------|-------------|-------------------|---------------------|-----------------|-------|
| TL-SS7415-15 | Surge Only | 16 | 48w x 1.5h x 1.5d | 4.5 | 77.72 |
| TL-SS7619-15 | Surge Only | 24 | 72w x 1.5h x 1.5d | 6.0 | 92.22 |

Tripp Lite Network and Telephone Surge Suppressors

Protecting equipment at the power input is not complete protection. Static discharge, lightning and faulty wiring can send damaging surges through data ports. This vulnerability can be easily eliminated with an inline suppressor. In considering the cost of replacing damaged equipment and resultant lost productivity, the cost of protection is truly small. Two-year manufacturer's warranty. **As an authorized Tripp Lite reseller, we can bid on RFQs for any Tripp Lite part numbers. Contact us to request a non-obligatory quote.**

| Item # | Connector | Application | Lines Protected | Peak Pulse Clamping Voltage | Maximum Current | Price |
|----------|-----------|---|-----------------|-----------------------------|-----------------|-------|
| TL-DNET1 | RJ45 | 100Base-T, 10Base-T, Token Ring, RS422, AS400 | 1 - 8 | 7.5 V | 750 Amps | 30.00 |

Tripp Lite Network Grade Rackmount Surge Suppressor

Tripp Lite's IBAR12 offers network-grade surge and noise suppression in a versatile all-metal multi-mount cabinet. Detachable mounting flanges are configurable for rackmount (1U), wallmount and under-counter installation. Features network grade AC surge suppression with EMI/RFI noise filtering. Outlets are arranged in exclusive isolated filter banks to limit noise interaction among connected items. Includes 12 outlets (2 front/10 rear), 15 ft AC power cord and guarded power switch to reduce the risk of accidental shutoff. Diagnostic LEDs indicate AC present, line fault and protection status. **As an authorized Tripp Lite reseller, we can bid on RFQs for any Tripp Lite part numbers. Contact us to request a non-obligatory quote.**

| Item # | System Type | Number of Outlets | Dimensions (Inches) | Rack Mounting | Shipping Weight | Price |
|-----------|-------------|-------------------|---------------------|---------------|-----------------|--------|
| TL-IBAR12 | Surge Only | 12 | 17.5w x 1.75h x 4d | 1 Space | 6.5 | 131.58 |

Tripp Lite Rack Mount Power Strip

This rack mount power strip packs many useful features into a slim single rack space of 1.75" height. Outlets are conveniently located on both sides of the unit. Two-year manufacturer's warranty. **As an authorized Tripp Lite reseller, we can bid on RFQs for any Tripp Lite part numbers. Contact us to request a non-obligatory quote.**

| Item # | System Type | Number of Outlets | Dimensions (Inches) | Rack Mounting | Shipping Weight | Price |
|-----------|-------------|-------------------|----------------------|---------------|-----------------|-------|
| TL-RS1215 | Non-Surge | 12 | 17.5w x 1.75h x 4.5d | 1 Space | 4.0 | 61.12 |

Note: This power strip does not provide surge or line noise protection.

Tripp Lite Internet Office Series Power Back-up System

Tripp Lite's Internet Office standby UPS systems offer complete protection from blackouts, brownouts and transient surges on both AC and dialup modem lines. The Internet Office offers complete power protection in an ultra-compact, flat-pack housing. Includes 3 battery supported outlets for computer, monitor and one vital system peripheral, plus 3 additional surge suppression-only outlets for printers and other system accessories not requiring battery support. A built-in single line RJ11 phone suppression jacks protect modem, fax machine, cordless phone or other peripheral with standard dialup phone connection. **As an authorized Tripp Lite reseller, we can bid on RFQs for any Tripp Lite part numbers. Contact us to request a non-obligatory quote.**

| Item # | Capacity (VA/Watts) | System Type | Number of Outlets | Backup Time Half/Full Load | Dimensions (Inches) | Shipping Weight | Price |
|--------------|---------------------|------------------|-------------------|----------------------------|---------------------|-----------------|--------|
| TL-OFFICE300 | 300/150 | Line Interactive | 6 | 10/4 min | 2.6w x 11h x 4.5d | 5.0 | 88.06 |
| TL-OFFICE500 | 500/280 | Line Interactive | 6 | 5/17 min | 4.75w x 8.25h x 7d | 16.0 | 132.63 |

Tripp Lite SmartOnline UPS Series

Tripp Lite's SmartOnline UPS Systems provide the highest level of power protection for mission-critical applications. True on-line operation completely isolates connected equipment from all power problems: blackouts, brownouts, surges, line noise, even harmonic distortion. Double-conversion operation continually converts incoming AC power into DC power, and then resynthesizes it back into normal AC power. **As an authorized Tripp Lite reseller, we can bid on RFQs for any Tripp Lite part numbers. Contact us to request a non-obligatory quote.**

| Item # | Capacity (VA/Watts) | System Type | Number of Outlets | Backup Time Half/Full Load | Dimensions (Inches) | Rack Mounting | Shipping Weight | Price |
|----------------|---------------------|------------------|-------------------|----------------------------|----------------------|---------------|-----------------|---------|
| TL-SU750XL | 750/600 | Line Interactive | 6 | 11/4 min | 6.75w x 10h x 13.25d | No | 28.7 | 496.34 |
| TL-SU750RTXL2U | 750/600 | Line Interactive | 6 | 11/4 min | 17.5w x 3.5h x 13.5d | 2 Space | 29.0 | 548.15 |
| SU1500RTXL2UA | 1570/1200 | Line Interactive | 6 | 17/5 min | 17.5w x 3.5h x 19d | 2 Space | 44.1 | 827.92 |
| SU2200RTXL2UA | 2200/1600 | Line Interactive | 6 | 18/5 min | 17.5w x 3.5h x 19d | 2 Space | 47.4 | 1273.49 |
| SU3000RTXR3U | 3000/2400 | Line Interactive | 9 | 33/14 min | 17.75w x 5.25h x 26d | 3 Space | 111.33 | 2019.55 |

Tripp Lite Smart Pro® Intelligent UPS System

The Tripp Lite Smart Pro® Intelligent UPS System is an ideal power protection solution for hubs, routers, switches, telephone systems and other critical moderate power devices. Innovative design packs battery backup and automatic voltage protection into an ultra small rack mountable package only a single rack space (1.75"/4.4cm) high. Unattended shutdown capable via an RS232 port (PowerAlert® software included). The battery replacement door is conveniently located on the front panel. Shipping weight is 18.5lb/8.4kg. Two-year manufacturer's warranty. **As an authorized Tripp Lite reseller, we can bid on RFQs for any Tripp Lite part numbers. Contact us to request a non-obligatory quote.**

| Item # | Capacity (VA/Watts) | System Type | Number of Outlets | Backup Time Half/Full Load | Dimensions (Inches) | Rack Mounting | Shipping Weight | Price |
|-----------------|---------------------|------------------|-------------------|----------------------------|------------------------|---------------|-----------------|--------|
| TL-SMART500RT1U | 500/300 | Line Interactive | 7 | 17/5 min | 17.5w x 1.75h x 11.75d | 1 Space | 18.8 | 202.06 |



TL-SMART500RT1U

Tripp Lite Eco Series Energy-Saving Standby UPS System

The ECO550UPS, by Tripp Lite, is comprised of four battery back and surge suppression outputs and four surge suppression-only outputs, three of which offer an intelligent, power-saving design that power off any attached unused equipment. As well as a USB port (cable included) allowing for built-in power management and automatic shutdown, controlled via Tripp Lite's free PowerAlert software. Convenient audible alarm and front panel L.E.D.s offer easy status information regarding line and battery operation. The unit's 550VA/300W power allows entry-level PCs power for up to 17 minutes, mitigating data loss and allowing time for shutdown. **As an authorized Tripp Lite reseller, we can bid on RFQs for any Tripp Lite part numbers. Contact us to request a non-obligatory quote.**

| Item # | Capacity (VA/Watts) | System Type | Number of Outlets | Backup Time Half/Full Load | Dimensions (Inches) | Shipping Weight | Price |
|-----------|---------------------|---------------|-------------------|----------------------------|---------------------|-----------------|--------|
| ECO550UPS | 550/300 | Surge/Battery | 8 | 10/3.5 min | 3.1w x 10.8h x 5.7d | 6.6 | 113.77 |



ECO550UPS

Tripp Lite OMNIVS1000 Tower Line-Interactive UPS System

The OMNIVS1000, by Tripp Lite, offers a tower form factor, housing six battery and surge suppression outputs along with two surge suppression-only outlets. This unit offers up to 60 minutes of power for entry-level PCs with its 1000VA/500W power supply. The unit supports battery replacement via the built-in access panel, with built-in audible alarm and 4 front panel LEDs indicate line power status, battery power status, battery low/replace status and overload. **As an authorized Tripp Lite reseller, we can bid on RFQs for any Tripp Lite part numbers. Contact us to request a non-obligatory quote.**

| Item # | Capacity (VA/Watts) | System Type | Number of Outlets | Backup Time Half/Full Load | Dimensions (Inches) | Shipping Weight | Price |
|------------|---------------------|---------------|-------------------|----------------------------|---------------------|-----------------|--------|
| OMNIVS1000 | 1000/500 | Surge/Battery | 8 | 14/3.5 min | 10.8w x 5.2h x 7.5d | 18.4 | 227.55 |



OMNIVS1000

Tripp Lite BC PERSONAL Series Compact UPS System

The BC350, by Tripp Lite, offers an ultra-compact space-saving design. Six widely spaced outputs accommodate transformer plugs without blocking neighboring outlets. The unit's six outlets are comprised of three surge suppression with full battery support, and three surge suppression-only outputs. Convenient audible alarm and front panel LEDs offer easy status information regarding line and battery operation. The unit's 350VA/180W power allows entry-level PCs power for up to 12 minutes, mitigating data loss and allowing time for shutdown. **As an authorized Tripp Lite reseller, we can bid on RFQs for any Tripp Lite part numbers. Contact us to request a non-obligatory quote.**

| Item # | Capacity (VA/Watts) | System Type | Number of Outlets | Backup Time Half/Full Load | Dimensions (Inches) | Shipping Weight | Price |
|----------|---------------------|---------------|-------------------|----------------------------|---------------------|-----------------|-------|
| TL-BC350 | 350/180 | Surge/Battery | 6 | 10/2.5 min | 3w x 10.5h x 5d | 10 | 75.54 |



TL-BC350

Tripp Lite AVR Series Ultra-Compact Line-Interactive UPS System

The AVR750U, by Tripp Lite, offers an uninterruptible, professional and consumer level, power supply solution in an ultra-compact design. The ability to switch to backup battery power within milliseconds allows connected equipment smooth and continuous operation during power interruption. The unit is comprised of six surge suppression and battery backup outputs and six surge suppression-only outlets. As well as a USB port allowing for built-in power management and automatic shutdown, controlled via Tripp Lite's free PowerAlert software. **As an authorized Tripp Lite reseller, we can bid on RFQs for any Tripp Lite part numbers. Contact us to request a non-obligatory quote.**

| Item # | Capacity (VA/Watts) | System Type | Number of Outlets | Backup Time Half/Full Load | Dimensions (Inches) | Shipping Weight | Price |
|---------|---------------------|---------------|-------------------|----------------------------|---------------------|-----------------|--------|
| AVR750U | 750/450 | Surge/Battery | 12 | 10/3 min | 4w x 12h x 7d | 15.3 | 119.14 |



AVR750U

Tripp Lite SMARTPRO Series 2U Rack/Tower UPS System

The SMART1500LCD, by Tripp Lite, is a digital UPS System offering voltage regulation, surge suppression and long-lasting battery support via 1500VA/900W. Multiple configurations; upright tower, flat shelf-mount or 2U rack-mount installation in attractive all-black cabinet design. Built-in USB and DB9 serial port enables optional unattended system shutdown in case of extended power failure (cabling included). Built-in audible alarm and large LCD front panel voltage display indicates line power status, battery power status, battery low/replace status and voltage boost operation. **As an authorized Tripp Lite reseller, we can bid on RFQs for any Tripp Lite part numbers. Contact us to request a non-obligatory quote.**

| Item # | Capacity (VA/Watts) | System Type | Number of Outlets | Backup Time Half/Full Load | Dimensions (Inches) | Shipping Weight | Price |
|--------------|---------------------|------------------|-------------------|----------------------------|----------------------|-----------------|--------|
| SMART1500LCD | 1500/900 | Line Interactive | 8 | 13/3.5 min | 17.3w x 3.5h x 10.5d | 33.4 | 350.65 |



SMART1500LCD

Tripp Lite BCPR0 Series Desktop UPS Systems

Tripp Lite's BCPR0600 standby UPS system offers surge suppression and long lasting battery support for personal computers, internet working equipment and other sensitive electronics. Internal UPS circuits support entry level PC systems for up to 45 minutes during power failures and brownouts so that connected equipment can be shutdown without data loss. Includes 3 battery supported outlets for computer, monitor and one vital system peripheral, plus 3 additional surge suppression-only outlets for printers and other system accessories not requiring battery support. USB port enables optional unattended system shutdown without data loss in the case of extended power failure, USB cable included. **As an authorized Tripp Lite reseller, we can bid on RFQs for any Tripp Lite part numbers. Contact us to request a non-obligatory quote.**

| Item # | Capacity (VA/Watts) | System Type | Number of Outlets | Backup Time Half/Full Load | Dimensions (Inches) | Shipping Weight | Price |
|-------------|---------------------|------------------|-------------------|----------------------------|---------------------|-----------------|--------|
| TL-BCPR0600 | 600/345 | Line Interactive | 6 | 14.5/5.7 min | 5.2w x 10.8h x 7.5d | 17.2 | 144.03 |

TL-BCPR0600
(Front and Rear View)



Ethernet Media Converters Tutorial

What is an Ethernet Media Converter?

An Ethernet Media Converter is a network device used to extend network connection beyond the 100 meter maximum segment length of traditional copper UTP/STP Ethernet cabling. It is also useful if EMI/RFI emissions or interference are of concern as the device will convert the electrical data signals into light pulses that will travel over the fiber optic cabling. This has two additional benefits. It electrically isolates both network nodes from each other eliminating any ground loop concerns or voltage spikes from lightning. It also provides a measure of security to your network transmissions as it is virtually impossible to tap into the transmitted signal without detection.

How is an Ethernet Media Converter used?

Ethernet Media Converters typically have two types of ports; one for the copper (UTP/STP) side of the conversion, (usually an RJ45 jack), and one for fiber side, which can vary depending on the unit (usually ST, SC or LC). Once you have selected the media converter that meets your needs, you simply plug your copper network cable into the RJ45 jack and then make your connection to your Fiber optic cabling. For the majority of unmanaged Ethernet Media Converters once you power up the unit you are done with your installation.

Where are Ethernet Media Converters used?

Ethernet Media Converters are used when long network runs are required that exceed the 100 meter maximum segment length of traditional copper UTP/STP such as large Corporate or University campuses, large high rise buildings or Municipal buildings that cover a wide area or wherever ground loops or voltage spikes from lightning may be cause for concern. You will also find these products wherever intense EMI/RFI which could interfere with your network is present such as Industrial/Manufacturing Facilities or in environments where the introduction of stray electrical signals are strictly regulated such as hospitals, clean rooms and aircraft just to provide a few examples.

Distance Limitations of Copper and Fiber Optic Network Cabling Types:

| Cable Type | Distance Limitation | Cable Type | Distance Limitation |
|-----------------------------------|--|--------------------------------|--|
| Category 5/5e/6 UTP and STP cable | 100 Meters Max. | Multimode Fiber Cable 50/125µ | 2 Km Max. (550m for some Gigabit applications) |
| Multimode Fiber Cable 62.5/125µ | 2 Km Max. (220m for some Gigabit applications) | Single mode Fiber Cable 9/125µ | *15 Km to 80 Km (Typical) |

***Note:** Some Single mode fiber media converters can extend up to 100 Km. These devices use special high powered laser transceivers to achieve these distances.

Form Factors

There are typically three styles of Ethernet Media Converters, 1) Standalone units with completely enclosed cases, 2) Card based chassis only models and 3) DIN Rail Mount Industrial Models. Standalone converters are typically used in locations where only

one or two conversions are needed. The chassis based options are often used in large MDF or IDF locations where multiple fiber links are converted to UTP. The DIN Rail Mount Industrial Ethernet Media Converters as the name would suggest are used in

large manufacturing plants where the harsh conditions and limited space and power options make it ideally suited. Note: some standalone unmanaged models can also be used in special multi-slot chassis designed specifically for them.



Standalone page 247



Chassis page 245

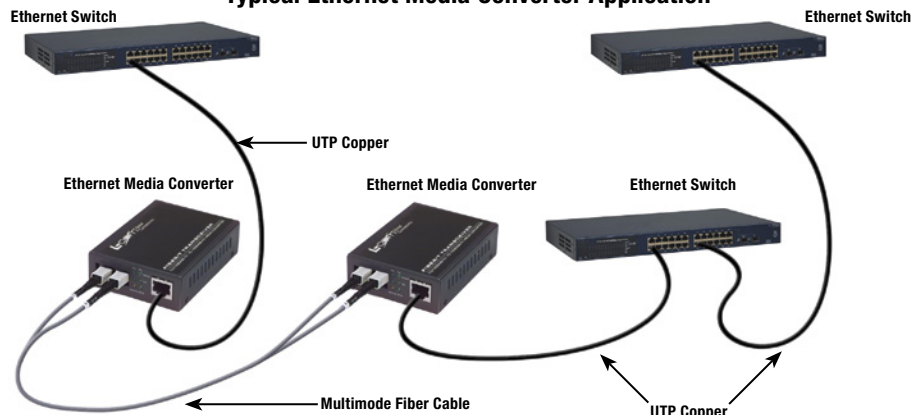


Industrial page 249

Managed and Unmanaged

Unmanaged or "plug and play" Ethernet Media Converters are easy to install and trouble shoot. The disadvantage with unmanaged converters is when a network issue is occurring, there is no way to access the Ethernet Media Converter to see exactly what might be causing the issue. Many chassis based Ethernet Media Converter solutions feature an option for an SNMP card that shows statistics and overall health of all the media converters in the chassis. This is helpful when you have multiple chassis filled with Ethernet Media Converters in a large data center. Additionally there are some standalone converters on the market today that support SNMP management.

Typical Ethernet Media Converter Application



| Item # | Description | Maximum Segment Length | List Price |
|--------|-------------|------------------------|------------|
|--------|-------------|------------------------|------------|

L-com 10Base-T RJ45 to 10Base-5 DB15M AUI Media Converter/Transceiver

L-com's Super-Slim 10Base-T transceiver is small & lightweight, designed to connect your existing Thick Ethernet Adapter Card to a 10Base-T UTP network. This super-slim model accommodates installation into narrow slot spaces typically found in older SUN SPARC™, IBM®, RISC/6000™ and old Apple Macintosh™ systems. The transceiver converts 10Base-5 signals via a DB15M/AUI connector to a standard RJ45 Jack for 10Base-T Ethernet transmission over Unshielded Twisted-Pair (UTP) cable. Port powered, no external power required.

| | | | |
|----------------|---|-----------|-------|
| LCTP-10BT-10B5 | L-com Ethernet Media Converter/Transceiver, 10Base-T RJ45 to 10Base-5 DB15M AUI | 100m/500m | 49.98 |
|----------------|---|-----------|-------|



LCTP-10BT-10B5

L-com 10Base-T RJ45 to 10Base-2 Thinnet Coax BNC Media Converter

L-com's 10Base-T RJ45 to 10Base-2 media converter is designed to connect your existing Thin Ethernet adapter card or Thin Ethernet Network to a 10Base-T UTP network. This converter repeats signals from Thin Ethernet for transmission over Unshielded Twisted-Pair (UTP) cable to a 10Base-2 hub. Powered by an external 12V DC 1.0A power supply (included).

| | | | |
|----------------|--|-----------|-------|
| LCTP-10BT-10B2 | L-com Ethernet Media Converter, 10Base-T RJ45 to 10Base-2 Thinnet Coax BNC | 100m/185m | 98.00 |
|----------------|--|-----------|-------|



LCTP-10BT-10B2

L-com 10/100TX to 100FX Fast Ethernet Media Converters

L-com's LCMC series of economical plug and play media converters are the perfect solution for extending Ethernet LANs. These robust media converters support half and full duplex operation, and feature easy to read system status LEDs. These converters are powered by an external 5V DC power supply (included).

| | | | |
|------------|---|-----------|--------|
| LCMC-MC-2 | L-com Ethernet Media Converter 10/100TX RJ45 to 100FX Multimode Duplex SC | 100m/2km | 61.14 |
| LCMC-SA-25 | L-com Ethernet Media Converter 10/100TX RJ45 to 100FX Single mode Duplex SC | 100m/25km | 91.19 |
| LCMC-SA-40 | L-com Ethernet Media Converter 10/100TX RJ45 to 100FX Single mode Duplex SC | 100m/40km | 132.63 |
| LCMC-SA-60 | L-com Ethernet Media Converter 10/100TX RJ45 to 100FX Single mode Duplex SC | 100m/60km | 153.36 |
| LCMC-SA-80 | L-com Ethernet Media Converter 10/100TX RJ45 to 100FX Single mode Duplex SC | 100m/80km | 236.25 |



LCMC-MC-2



LC-MCGMM-SC



LC-MCGSM-ST

L-com 10/100/1000TX to 1000FX ST/SC Gigabit Ethernet Media Converters

L-com's LC-MCGxx-XX line of gigabit ethernet media converters offer users a cost effective solution to extend their gigabit network over fiber optic cabling to a maximum distance up to 20km. Our LC-MCGxx-XX series of media converters are fully compliant with IEEE802.3, IEEE802.3U, IEEE802.3ab, 10/100/1000Base-Tx, and IEEE802.3z 1000Base-SX/LX standards. They can be used as standalone converters or installed into our LC-MCC14AA 14 slot media converter chassis. Operation status can be locally monitored through a set of diagnostic LEDs located on the front panel. These converters are powered by an external 5V DC power supply (included).

| | | | |
|-------------|--|----------|-------|
| LC-MCGMM-ST | L-com Ethernet Media Converter 10/100/1000TX RJ45 to 1000SX Multimode ST | 100m/2km | 77.69 |
| LC-MCGMM-SC | L-com Ethernet Media Converter 10/100/1000TX RJ45 to 1000SX Multimode SC | 100m/2km | 77.69 |

| | | | |
|-------------|--|-----------|--------|
| LC-MCGSM-ST | L-com Ethernet Media Converter 10/100/1000TX RJ45 to 1000LX Single mode ST | 100m/20km | 113.96 |
| LC-MCGSM-SC | L-com Ethernet Media Converter 10/100/1000TX RJ45 to 1000LX Single mode SC | 100m/20km | 113.96 |

L-com 10/100/1000TX to 1000SX/LX (SFP) Slot Gigabit Ethernet Media Converter

L-com's LC-MCGSFP gigabit Ethernet media converter is designed to meet the various needs for extending your network and is able to extend a copper based network via fiber cable to a maximum distance up to 80km. Our LC-MCGSFP is fully compliant with IEEE802.3, IEEE802.3U, IEEE802.3ab, 10/100/1000Base-Tx, and IEEE802.3z 1000Base-SX/LX standards. It can be used as a standalone converter or installed into our LC-MCC14AA Series 14 slot media converter chassis. Operation status can be locally monitored through a set of diagnostic LEDs located on the front panel. Powered by an external 5V DC power supply (included).

| | | | |
|-----------|--|--|-------|
| LC-MCGSFP | L-com Ethernet Media Converter 10/100/1000TX RJ45 to Single SFP Socket | | 77.69 |
|-----------|--|--|-------|

| | | | |
|-------------------|---|----------|-------|
| LC-SFPMM-220-550M | L-com SFP Module Multimode Duplex LC (850nm) | 220/550m | 36.25 |
| LC-SFPMM-2 | L-com SFP Module Multimode Duplex LC (1310nm) | 2km | 46.61 |

| | | | |
|-------------|---|------|--------|
| LC-SFPSM-10 | L-com SFP Module Single mode Duplex LC (1310nm) | 10km | 67.33 |
| LC-SFPSM-20 | L-com SFP Module Single mode Duplex LC (1310nm) | 20km | 77.69 |
| LC-SFPSM-40 | L-com SFP Module Single mode Duplex LC (1310nm) | 40km | 88.06 |
| LC-SFPSM-60 | L-com SFP Module Single mode Duplex LC (1550nm) | 60km | 98.42 |
| LC-SFPSM-80 | L-com SFP Module Single mode Duplex LC (1550nm) | 80km | 108.78 |

| | | | |
|------------|--|--|------|
| LC-SFP-CAP | L-com SFP Module Replacement Cap, Pkg/10 | | 7.23 |
|------------|--|--|------|



LC-SFPMM-220-550M



LC-SFPSM-40


LC-SFP-CAP
10 per package

L-com 14 Slot Media Converter Chassis with Dual Power Supplies

L-com's LC-MCC14AA 14 slot media converter chassis provides real-time power backup. Each chassis comes equipped right out of the box with dual redundant power supplies. The LC-MCC14AA chassis is compatible with any of the L-com LC-MCG series media converters found on this page. The LC-MCG series media converters can be hot-swapped to change configuration requirements or replace malfunctioning units without the need to power down the chassis. Both power supplies feature status LEDs (Green = Functioning) (Red = Problem) to help you quickly identify which unit is experiencing a problem. There is also an audible alarm that sounds to alert you to the situation. The Dual power supplies are also truly hot-swappable, allowing you to replace a bad unit while the second unit continues to power the chassis and installed converters minimizing network disruptions. L-com also offers replacement power supplies so that you can keep an emergency spare on hand or be able to quickly order a replacement in the event you need one.

- 19 Inch Rack Mount Ready
- Supports up to 14 Media Converters
- Hot Swap Media Converters
- Easy to Install and Maintain
- Dual Redundant Power Supplies
- Hot Swap Power Supplies
- Status LEDs and Audible Alarm to Alert of Power Supply Problem

| | | | |
|------------|---|--|--------|
| LC-MCC14AA | L-com 14 Slot Media Converter Chassis Dual 120V - 220V AC 60/50 Hz Power Supplies | | 233.12 |
|------------|---|--|--------|

Accessories

| | | | |
|---------------|--|--|-------|
| LC-MCCPWR-AC | L-com Replacement AC Power Supply for LC-MCC14AA Chassis | | 56.97 |
| LC-MCC14-BRKT | L-com Replacement Retention Bracket for LC-MCC14AA Chassis, Pkg/5 | | 10.34 |
| LC-MCC14-SCRW | L-com Replacement Media Converter Bracket Screw for LC-MCC14AA Chassis, Pkg/10 | | 3.09 |


LC-MCC14AA
Front

LC-MCC14AA
Back

TN-S4120-1048



TN-DAC-10G-SFP-01M



PT-ENW-9801



PT-ENW-9803



PT-MTB-LR



LCR5000-17HS



LCR1000-AAF



LCR643-13



LCR502-M



LC2643-14

| Item # | Description | Maximum Segment Length | List Price |
|--------|-------------|------------------------|------------|
|--------|-------------|------------------------|------------|

Transition Networks 10GBase-T to SFP+ Media Converter

The Transition Networks 10GBase-T to SFP+ media converter is the perfect way to help growing networks using high speed 10G signals to span long distances, or even to easily convert over to a network switch. This device uses the SFP+ format on the fiber end, which allows for a wide variety of mode and distance options. **As an authorized Transition Networks reseller, we can bid on RFQs for any Transition Networks part numbers. Contact us to request a non-obligatory quote.**

| | | |
|---------------|---|---------|
| TN-S4120-1048 | Transition Networks 10GBase-T to SFP+ Media Converter | 1798.00 |
|---------------|---|---------|

Transition Networks Point System Media Converter Modules

The Transition Networks TN-DAC-10G-SFP series of copper direct attached cables provide a low cost, easy to use solution to short range 10G connectivity. These cables are ideal for a desktop when only a SFP+ port is available, or to stack two network switches. These cables connect two SFP+ ports using one simple plug and play cable. **As an authorized Transition Networks reseller, we can bid on RFQs for any Transition Networks part numbers. Contact us to request a non-obligatory quote.**

| | | |
|--------------------|---|--------|
| TN-DAC-10G-SFP-01M | Transition Networks 10G Direct Attached Cable SFP+ 1 Meter | 70.46 |
| TN-DAC-10G-SFP-03M | Transition Networks 10G Direct Attached Cable SFP+ 3 Meters | 102.98 |
| TN-DAC-10G-SFP-05M | Transition Networks 10G Direct Attached Cable SFP+ 5 Meters | 136.98 |

PLANET 10G SFP+ PCI Express Card

The PT-ENW-9801 is a PCI Express 10Gbps ethernet adapter designed to meet high-performance system application requirements. With the innovative PCI Express Bus Architecture, the PT-ENW-9801 provides superior performance over 32/64bit PCI architecture network cards. It provides the best solution to one of the largest issues of Server Farm Networks - communication speed. Ten times faster than the existing 1000Base-SX/LX fiber solutions, the PLANET PT-ENW-9801 is designed to connect your servers and workstations, guaranteeing extremely high throughput and excellent signal quality. Moreover, the PT-ENW-9801 supports IEEE 902.1Q VLAN which allows it to operate in a flexible and secure network environment. With 16K Jumbo Frame ability and IEEE 802.3 Flow Control support, it further optimizes throughput and wire-speed packet transfer performance without risk of packet loss. The high data throughput of the device makes it ideal for most 10 Gigabit Ethernet environments. **As an authorized PLANET reseller, we can bid on RFQs for any PLANET part numbers. Contact your L-com Sales Representative to request a non-obligatory quote.**

| | | |
|-------------|----------------------------------|--------|
| PT-ENW-9801 | PLANET 10G SFP+ PCI Express Card | 216.00 |
|-------------|----------------------------------|--------|

PLANET 10G RJ45 PCI Express Card

The PLANET PT-ENW-9803 provides a fast and easy way to upgrade an existing system to be able to handle 10G speeds. The standard RJ45 interface will accept Cat6a or Cat7 cables, removing the need to bring fiber directly to the desktop. This card is also a great add-on for a network attached storage device (NAS), providing a fast 10G uplink to archive large blocks of data quickly. **As an authorized PLANET reseller, we can bid on RFQs for any PLANET part numbers. Contact your L-com Sales Representative to request a non-obligatory quote.**

| | | |
|-------------|----------------------------------|--------|
| PT-ENW-9803 | PLANET 10G RJ45 PCI Express Card | 236.00 |
|-------------|----------------------------------|--------|

PLANET 10G XFP and SFP+ Single Mode and Multimode Modules

The PLANET PT-MTB series of 10G SFP+ and XFP modules provide a flexible option when using a 10G switch or media converter that contains the applicable port. With single mode and multimode options and distances from 300 meters up to 10 kilometers, there is an option available for most high speed data applications. **As an authorized PLANET reseller, we can bid on RFQs for any PLANET part numbers. Contact your L-com Sales Representative to request a non-obligatory quote.**

| | | |
|-----------|-------------------------------------|--------|
| PT-MTB-LR | PLANET 10G Single mode LC SFP+ 10km | 130.00 |
| PT-MTB-SR | PLANET 10G Multimode LC SFP+ 300m | 72.00 |

Metrobility/Telco Systems Radiance Series Converter Chassis - 1, 2 and 17 Slot Options

As an authorized Metrobility/Telco Systems reseller, we can bid on RFQs for any Metrobility/Telco Systems part numbers. Contact us to request a non-obligatory quote.

| | | |
|--------------|--|--------|
| LCR5000-17HS | Telco Systems 17 Slot Radiance 19" (48.3cm) Rack Mountable Chassis | 574.05 |
| LCACPS-17HS | Telco Systems AC Power Supply for the LCR5000 Chassis | 133.67 |
| LCDPS-17HS | Telco Systems DC Power Supply for the LCR5000 Chassis | 553.33 |

| | | |
|-------------|--|--------|
| LCR1000-AAF | Telco Systems 2 Slot Chassis with 2 Front Facing AC Power Supplies | 641.41 |
| LCR200-AC | Telco Systems 1 Slot Chassis with Single AC Power Supply | 258.01 |
| LCR200-DC | Telco Systems 1 Slot Chassis with Single DC Power Supply | 304.64 |

Metrobility/Telco Systems 10/100 Mbps Ethernet Intelligent AutoTwister Modules for Radiance Series Chassis

As an authorized Metrobility/Telco Systems reseller, we can bid on RFQs for any Metrobility/Telco Systems part numbers. Contact us to request a non-obligatory quote.

| | | | |
|-----------|---|------------|---------|
| LCR643-13 | Telco Systems 10/100Base-TX, RJ45 to 100Base-FX, Multimode SC | 100m/2km | 263.19 |
| LCR643-15 | Telco Systems 10/100Base-TX, RJ45 to 100Base-FX, Multimode ST | 100m/2km | 304.64 |
| LCR643-1K | Telco Systems 10/100Base-TX, RJ45 to 100Base-FX, Multimode LC | 100m/2km | 387.54 |
| LCR643-14 | Telco Systems 10/100Base-TX, RJ45 to 100Base-FX, Single mode SC | 100m/15km | 447.64 |
| LCR643-17 | Telco Systems 10/100Base-TX, RJ45 to 100Base-FX, Single mode SC | 100m/40km | 506.70 |
| LCR643-1J | Telco Systems 10/100Base-TX, RJ45 to 100Base-FX, Single mode SC | 100m/100km | 1750.14 |
| LCR643-1M | Telco Systems 10/100Base-TX, RJ45 to 100Base-FX, Single mode LC | 100m/15km | 527.43 |

Metrobility/Telco Systems 10/100 Mbps Fast Ethernet Twister Stand-alone Media Converters

As an authorized Metrobility/Telco Systems reseller, we can bid on RFQs for any Metrobility/Telco Systems part numbers. Contact us to request a non-obligatory quote.

| | | | |
|-----------|---|------------|---------|
| LC2643-13 | Telco Systems 10/100Base-TX, RJ45 to 100Base-FX, Multimode SC | 100m/2km | 335.73 |
| LC2643-15 | Telco Systems 10/100Base-TX, RJ45 to 100Base-FX, Multimode ST | 100m/2km | 351.27 |
| LC2643-1K | Telco Systems 10/100Base-TX, RJ45 to 100Base-FX, Multimode LC | 100m/2km | 392.72 |
| LC2643-14 | Telco Systems 10/100Base-TX, RJ45 to 100Base-FX, Single mode SC | 100m/15km | 480.80 |
| LC2643-17 | Telco Systems 10/100Base-TX, RJ45 to 100Base-FX, Single mode SC | 100m/40km | 527.43 |
| LC2643-1J | Telco Systems 10/100Base-TX, RJ45 to 100Base-FX, Single mode SC | 100m/100km | 1796.77 |

| Item # | Description | List Price |
|--------|-------------|------------|
|--------|-------------|------------|

L-com 10/100TX to 100FX Industrial Fast Ethernet Media Converters (24 VDC)

L-com offers a series of plug and play industrial Ethernet media converters which feature dual 10/100TX RJ45 ports as well as one duplex SC fiber port. The LCMC series consist of multimode and single mode versions with optics supporting up to 80 kilometers over single mode for long haul industrial media converter applications. Each unit is powered by an external 24V DC power supply (sold separately) and is 35mm DIN rail mountable. Easy to read LEDs provide at-a-glance systems status information. Operating temperature -40°C to +70°C (-40°F to 158°F).

| | | |
|-----------|--|--------|
| LCMC-M-2 | L-com Industrial Ethernet Media Converter (2) 10/100TX to 100FX Multimode Duplex SC 2km | 163.72 |
| LCMC-S-20 | L-com Industrial Ethernet Media Converter (2) 10/100TX to 100FX Single mode Duplex SC 20km | 236.25 |
| LCMC-S-40 | L-com Industrial Ethernet Media Converter (2) 10/100TX to 100FX Single mode Duplex SC 40km | 319.15 |
| LCMC-S-60 | L-com Industrial Ethernet Media Converter (2) 10/100TX to 100FX Single mode Duplex SC 60km | 588.56 |
| LCMC-S-80 | L-com Industrial Ethernet Media Converter (2) 10/100TX to 100FX Single mode Duplex SC 80km | 930.51 |

24 Volt DC DIN Rail Mount Power Supplies

The LCPS series of power supplies provide a cost effective and reliable 24V DC power source for L-com's line of industrial Ethernet switches and media converters. These units can be installed on any standard 35mm DIN Rail and are NEC class 2/LPS compliant. They also provide protection against short circuits, overloads and over voltages.

| | | |
|-----------|---|-------|
| LCPS-4024 | DIN Rail Mount Power Supply 24V DC 40W (1.6A) | 81.86 |
| LCPS-6024 | DIN Rail Mount Power Supply 24V DC 60W (2.5A) | 93.26 |

EtherWAN 10/100TX to 100FX Industrial Fast Ethernet Media Converters (-10°C to +60°C) (12 to 48 VDC)

EtherWAN's EX42011 series of industrial media converters are able to function at temperatures ranging from -10°C to 60°C (14°F to 140°F) and can be conveniently mounted to any standard 35mm DIN Rail. The single 10/100Base-TX port supports Auto-Negotiation, Auto-MDI/MDIX. The duplex fiber port is available in both multimode and single mode versions. Complies with IEC61000-6-2 EMC generic standard immunity for industrial environment. The variable power terminal block input can support voltages ranging from 12 to 48 VDC. **As an authorized EtherWAN reseller, we can bid on RFQs for any EtherWAN part numbers. Contact us to request a non-obligatory quote.**

| | | |
|-------------------|--|--------|
| EW-EX42011-1A-1-A | EtherWAN Industrial Media Converter 10/100 TX to 100FX, Multimode Duplex SC 2km | 162.66 |
| EW-EX42011-2A-1-A | EtherWAN Industrial Media Converter 10/100 TX to 100FX, Single mode Duplex SC 20km | 274.57 |

EtherWAN 10/100TX to 100FX NEMA Hardened Fast Ethernet Media Converters (-40°C to +75°C) (12 to 48 VDC)

EtherWAN's EL900 series of NEMA hardened media converters function at temperatures ranging from -40°C to 75°C (-40°F to 167°F) and are tested for functional operation up to 85°C (185°F). Whether on the factory floor or the street corner, the EL900 will provide flawless communications when you need it most. The RJ45 ports on these units provide Auto-MDIX and auto-negotiation. The link-fault-pass-through feature allows the network management agent on adjacent equipment to react to a broken link. Flexibility is the main feature of the EL900, it may be DIN rail or panel mounted and comes with power options to match the applications that require a tough, environmentally hardened product. Complies with NEMA TS1 & TS2 environmental requirements for traffic control equipment. Complies with IEC61000-6-2 EMC generic standard immunity for industrial environment, ISA 12.12.01 (UL1604) Class I, Division 2 Classified for use in hazardous locations (Applicable to versions with DC Terminal Block power option). The variable power terminal block input can support voltages ranging from 12 to 48 VDC. **As an authorized EtherWAN reseller, we can bid on RFQs for any EtherWAN part numbers. Contact us to request a non-obligatory quote.**

| | | |
|------------------|---|--------|
| EW-EL900-A-B-1-A | EtherWAN Media Converter 10/100 TX to 100FX, MM, 2km, SC | 233.15 |
| EW-EL900-A-N-1-A | EtherWAN Media Converter 10/100 TX to 100FX, SM, 20km, SC | 347.13 |

EtherWAN 1000TX to 1000SX/LX NEMA Hardened Gigabit Ethernet Media Converters (-40°C to +75°C)

EtherWAN's EL9000 series of NEMA hardened media converters function at temperatures ranging from -40°C to 75°C (-40°F to 167°F) and are tested for functional operation up to 85°C (185°F). Whether on the factory floor or the street corner, the EL9000 will provide flawless communications when you need it most. The RJ45 ports on these units provide Auto-MDIX and auto-negotiation. The link-fault-pass-through feature allows the network management agent on adjacent equipment to react to a broken link. Flexibility is the main feature of the EL9000, it may be DIN rail, panel or rack mounted and comes with power options to match the applications that require a tough, environmentally hardened product. Complies with NEMA TS1 & TS2 environmental requirements for traffic control equipment. Complies with IEC61000-6-2 EMC generic standard immunity for industrial environment, ISA 12.12.01 (UL1604) Class I, Division 2 Classified for use in hazardous locations (Applicable to versions with DC Terminal Block power option). The variable power terminal block input can support voltages ranging from 12 to 48 VDC. **As an authorized EtherWAN reseller, we can bid on RFQs for any EtherWAN part numbers. Contact us to request a non-obligatory quote.**

| | | |
|-------------------|---|--------|
| EW-EL9000-A-B-1-A | EtherWAN Gigabit Media Converter 1000Base T to 1000Base SX, MM, 550km, SC | 326.38 |
| EW-EL9000-A-C-1-A | EtherWAN Gigabit Media Converter 1000Base T to 1000Base SX, MM, 2km, SC | 435.20 |
| EW-EL9000-A-N-1-A | EtherWAN Gigabit Media Converter 1000Base T to 1000Base LX, SM, 20km, SC | 528.46 |

Hirschmann PROFIBUS, MODBUS and GENIUSBUS Fiber to Copper DIN Rail Media Converters (24 VDC)

Hirschmann's PROFIBUS, MODBUS and GENIUSBUS media converters are perfect for transmitting data over several miles/kilometers. They connect terminal devices such as computers, image-processing devices, programmable logic controllers (PLCs) and peripheral devices together. With their high availability and redundancy, they are able to hold their own in the harsh world of industrial applications. Fiber optic cables can be laid directly on high-power equipment or parallel to power cables, reducing planning and commissioning costs. Each converter in this series can be mounted on a DIN rail and is powered by an external 24 VDC power supply. **As an authorized Hirschmann reseller, we can bid on RFQs for any Hirschmann part numbers. Contact us to request a non-obligatory quote.**

| | | |
|-----------------|--|---------|
| PROFI-TX-FX | Hirschmann PROFIBUS Media Converter DB9F to BFOC Multimode | 645.55 |
| PROFI-TX-FX-SM | Hirschmann PROFIBUS Media Converter DB9F to BFOC Single mode | 1826.82 |
| PROFI-TX-2FX-SM | Hirschmann PROFIBUS Media Converter DB9F to 2 BFOC Single mode | 2424.71 |

| | | |
|-------------------|--|--------|
| OZD PROFI 12M G12 | Hirschmann PROFIBUS Media Converter DB9F to 2 BFOC Multimode | 863.15 |
|-------------------|--|--------|

| | | |
|-----------------|--|---------|
| MODBUS-TX-2FX | Hirschmann MODBUS Media Converter DB9F to 2 BFOC Multimode | 901.49 |
| MODBUS-TX-2FXSM | Hirschmann MODBUS Media Converter DB9F to 2 BFOC Single mode | 1896.25 |

| | | |
|-----------------|---|---------|
| GENIUS-TX-2FX | Hirschmann GENIUSBUS Media Converter 4-Pin Terminal to 2 BFOC Multimode | 1180.23 |
| GENIUS-TX-2FXSM | Hirschmann GENIUSBUS Media Converter 4-Pin Terminal to 2 BFOC Single mode | 1865.16 |





Ethernet Switches Tutorial

What is an Ethernet Switch?

An Ethernet switch is a multi-port network bridge used to connect multiple PCs, servers, laptops or other Ethernet IP enabled devices such as Networked Printers, NAS (Network Attached Storage), or IP cameras to a Local Area Network (LAN). Most switches feature 10/100 Megabit per second RJ45 ports although many newer switch designs now offer 10/100/1000 triple

ports that auto-negotiate up to 1 Gigabit per second access. The switch uses a MAC address table to keep track of where PCs, servers or other connected devices are located. Each device has a unique MAC (Media Access Control) address "burned" into the hardware. For example; if a PC on port one needs to "talk" to a file server, the switch will look at its MAC address table and determine which port the file server is located on and send the PCs data to only that port. This effectively relieves network congestion and is able to scale as your network grows.

How is an Ethernet Switch used?

Ethernet switches typically utilize RJ45 ports for UTP or STP connectivity to PCs, servers, routers etc. Many switches also feature high speed uplink ports where modules can be purchased to connect fiber optic or UTP cabling supporting speeds of 1 Gigabit per second or more. Cables are used to plug into the ports on the switch and then into the Ethernet device (PC, router etc.) on the other end.

Managed and Unmanaged

Unmanaged Ethernet switches, typically referred to as "plug and play", are easy to install but do not provide port level statics, management and control that is often required in larger networks where many switches are installed. Managed switches typically feature an SNMP agent that allows port level control and statistics such as collisions, packets in, packet out etc. Some managed switches also feature filters where only certain devices, PCs etc. are allowed to communicate on a certain port of the switch. By using managed switches a network administrator can see if a port may be malfunctioning and sending bad packets onto the network and shut that port off so the whole network does not go down.

The diagram below shows a typical Ethernet Switch application



In the diagram above you can see that Ethernet switches are used for sharing resources such as printers, networked file servers and router connections to the Internet or Wide Area Network (WAN).

| | |
|------------------------------|---|
| Accessing Scheme: | CSMA/CD - Carrier sense multiple access with Collision Detection. |
| Speed: | 10 Mbps/100 Mbps/1000 Mbps (1 Gbps). |
| Network Architecture: | Bus, Star, Ring, Hybrid |

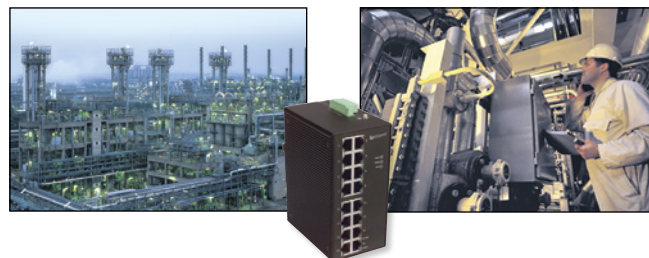
Commercial Ethernet Switches

Commercial grade Ethernet switches are designed to be used in controlled environments such as an IT closet or data center. Unlike Industrial Ethernet switches, commercial grade Ethernet switches typically have more of a limited operating temperature range and often times have more moving parts such as cooling fans which could be a single point of failure (SPOF). Additionally, commercial grade switches will not stand up to shock and vibration as an Industrial Ethernet switch would. Another concern is mean time between failure (MTBF). Some commercial grade switches may have a lower MTBF than their industrial counterparts. Commercial grade switches typically cost less than industrial switches and are the perfect choice for controlled office/business environments.



Industrial Ethernet Switches

There is a class of Ethernet Switches referred to as Industrial Ethernet switches which are designed to work in harsh environments where extreme temperatures, vibration, dust and moisture are present. These Industrial rated switches generally have no moving parts such as fans and utilize components that are designed for extreme temperatures etc. In very moist environments or areas where condensation is present a conformal coating is sometimes used to cover the entire PCB to protect the components. Typical installations for Industrial Ethernet switches include manufacturing facilities, mining, oil production, power plants, waste water treatment plants and any other application where environmental extremes exist.



| Item # | Description | List Price |
|---|---|------------|
| PLANET 5 and 8 Port 10/100/1000 Gigabit Ethernet Switches | | |
| The Planet five and eight port Gigabit Ethernet switches deliver cost effective, versatile high speed IP data connectivity to the desktop or data closet. These switches feature a compact footprint as well as a non-blocking switching architecture that guarantees wire-speed packet transfer. The RJ-45 copper interfaces support 10/100/1000Mbps auto-negotiation for optimal speed detection through RJ-45 Category 6, 5 or 5e cables. MDI/MDI-X auto detection is provided for direct wire connection to any Ethernet device without requiring crossover cables. The switches also feature 802.3x, full duplex flow control. Includes a 3-year manufacturer's warranty. As an authorized PLANET reseller, we can bid on RFQs for any PLANET part numbers. Contact us to request a non-obligatory quote. | | |
| SWTC-PTG503 | PLANET 5 port 10/100/1000 Gigabit Ethernet Switch | 46.63 |
| SWTC-PTG803 | PLANET 8 port 10/100/1000 Gigabit Ethernet Switch | 49.74 |

PLANET 10/100TX 5 and 8 Port Desktop Ethernet Switches

The SW series Ethernet switches from PLANET Technology provide cost-conscious businesses and home users with the foundation of an integrated system for small-office/home-office networking. These economical 10/100 switches are perfect for smaller networks of 10 to 50 users. These easy to install plug and play switches feature easy to read LEDs for monitoring network connectivity and packet flow. **As an authorized PLANET reseller, we can bid on RFQs for any PLANET part numbers. Contact us to request a non-obligatory quote.**

| | | |
|--------|--|-------|
| SW-504 | PLANET 5 Port 10/100 Mbps Desktop Ethernet Switch (Plastic Case) | 16.06 |
| SW-804 | PLANET 8 Port 10/100 Mbps Desktop Ethernet Switch (Plastic Case) | 26.89 |

PLANET 10/100TX 16, 24 & 48 Port 19 Inch Rack Mount Fast Ethernet Switches

The PLANET 16, 24 & 48 port 10/100Base-TX Fast Ethernet switches provide an economical and high performance higher port density 19 inch rack mountable Ethernet switching solution. These switches provide high-speed network connections with standard 10/100 Auto-Negotiation capability on all of the RJ45/STP ports. In addition, these switches are equipped with the MDI/MDIX auto-detection for easy plug and play connections, regardless of cabling types. Both straight through and crossover cables are supported. With high-performance throughput at filtering/forwarding rate is up to 14,880 packets per second in 10 Mbps, and 148,800pps in 100 Mbps, along with its dynamic shared memory buffer. **As an authorized PLANET reseller, we can bid on RFQs for any PLANET part numbers. Contact us to request a non-obligatory quote.**

| | | |
|-------------|---|--------|
| SWTC-PT1601 | PLANET 16 Port 10/100 Mbps Fast Ethernet Switch | 61.14 |
| SWTC-PT2401 | PLANET 24 Port 10/100 Mbps Fast Ethernet Switch | 81.86 |
| SWTC-PT4800 | PLANET 48 Port 10/100 Mbps Fast Ethernet Switch | 172.01 |

Planet 24 Port 10/100TX + 2 Port Gigabit Ethernet Switch

The PLANET FGWSW-2620 provides 24 Fast Ethernet Switch ports and 2-Gigabit Ethernet Switch ports. Each Fast Ethernet port supports 10/100Mbps, and 2 Gigabit Ethernet ports supports 10/100/1000Mbps as well as half/full mode and can be easily connected to corporate backbones and servers. With its 8.8Gbps non-blocking switch fabric, 8K MAC Address table, and 802.3x, full-duplex flow control, the FGWSW-2620 offers wire-speed packet transfer performance without risks of packet loss. MDI/MDI-X auto detection is provided for direct wire connection to any Ethernet device including switches, hubs, or workstations without requiring a crossover cable. Users can easily monitor network connection status by viewing the front panel LED indicators. Includes a 3-year manufacturers warranty. **As an authorized PLANET reseller, we can bid on RFQs for any PLANET part numbers. Contact us to request a non-obligatory quote.**

| | | |
|-------------|--|--------|
| SWTC-PT2620 | PLANET 24-port 10/100Mbps-2 port 10/100/1000 Gigabit Ethernet Switch | 144.03 |
|-------------|--|--------|

Planet 10/100/1000 16 and 24 Port Rack Mountable Ethernet Switches

The PLANET GSW-1601 and GSW-2401 provide 16 and 24 RJ-45 10/100/1000Mbps ports for high-speed Ethernet network connectivity. The GSW switches can automatically identify and determine the correct transmission speed and half / full duplex mode of the attached devices with its Gigabit ports. Additionally, these robust switches support 9K Jumbo frames allowing extremely large amounts of data transmission in a secure topology linking to a backbone or to high-power servers. **As an authorized PLANET reseller, we can bid on RFQs for any PLANET part numbers. Contact us to request a non-obligatory quote.**

| | | |
|----------|---|--------|
| GSW-1601 | PLANET 16 Port 10/100/1000 RJ45 Ethernet Switch | 100.00 |
| GSW-2401 | PLANET 24 Port 10/100/1000 RJ45 Ethernet Switch | 128.26 |

Planet 10/100/1000 16 and 24 Port Rack Mountable Ethernet Switches

PLANET's Managed PoE Ethernet switches are designed to provide data and power to a wide range of PoE compatible devices. These robust, feature packed switches are available in rack mount as well as industrial rated versions. These switches feature a built-in web management system which provides access to port management, security, access control lists, PoE and many of the other features these provided. **As an authorized PLANET reseller, we can bid on RFQs for any PLANET part numbers. Contact us to request a non-obligatory quote.**

| | | |
|-------------------|---|---------|
| PT-GS-4210-16UP4C | PLANET 16-Port 10/100/1000T Ultra PoE + 4-Port Gigabit TP/SFP Combo Managed Switch | 875.60 |
| PT-GS-4210-24UP4C | PLANET 24-Port 10/100/1000Base-T Ultra PoE + 4-Port Gigabit TP/SFP Combo Managed Switch | 1161.60 |
| PT-GS-4210-24P4C | PLANET 24-Port 10/100/1000T 802.3at PoE + 4-Port Gigabit TP/SFP Combo Managed Switch 220 Watt | 618.00 |
| PT-GS-4210-24PL4C | PLANET 24-Port 10/100/1000T 802.3at PoE + 4-Port Gigabit TP/SFP Combo Managed Switch 440W | 685.00 |

PLANET 24 100/1000 SFP Port Managed Rack Mount Switch With 4 10G SFP+ Ports

The PLANET MGSW-28240F managed rack mount switch allows for gradually updating a network from Gigabit speeds up to 10G, or in networks where requirements change. This switch has 24 100/1000 speed SFP slots, allowing for a vast array of communication options where a module can be quickly swapped out if needed. The 10G SFP+ uplinks provide a wide backbone for connecting other portions of the network. Power can be provided to this switch either via the dual terminal block, or a standard AC power cable. **As an authorized PLANET reseller, we can bid on RFQs for any PLANET part numbers. Contact us to request a non-obligatory quote.**

| | | |
|-------------|---|---------|
| MGSW-28240F | PLANET 24 SFP Port Managed Switch With 4 SFP+ Ports | 1167.80 |
|-------------|---|---------|

PLANET 10G XFP and SFP+ Single Mode and Multimode Modules

The Planet PT-MTB series of 10G SFP+ and XFP modules provide a flexible option when using a 10G switch or media converter that contains the applicable port. With Single Mode and Multimode options and distances from 300 meters up to 10 kilometers, there is an option available for most high speed data applications. **As an authorized PLANET reseller, we can bid on RFQ's for any PLANET part numbers even if they are not found on our website. Contact us to request a non-obligatory quote.**

| | | |
|-----------|-------------------------------------|--------|
| PT-MTB-LR | PLANET 10G Single Mode LC SFP+ 10km | 130.00 |
| PT-MTB-SR | PLANET 10G Multimode LC SFP+ 300m | 72.00 |

PLANET 24-Port 10/100/1000Mbps 802.3at PoE+ Managed Switches w/4 Shared SFP Ports

The WGSW-24040HP series is the latest generation of PLANET Managed Gigabit PoE Switches featuring PLANET intelligent PoE functions to improve the availability of critical business applications. The series provides IPv6/IPv4 management and built-in L2/L4 Gigabit Switching engine along with 24 10/100/1000Base-T ports featuring 30-watt 802.3at PoE+ and 4 Gigabit SFP slots. With total power budget up to 220W for different kinds of PoE applications, the series provides quick, safe and cost-effective Power over Ethernet network solutions to security IP surveillance for small business and enterprises. **As an authorized PLANET reseller, we can bid on RFQ's for any PLANET part numbers even if they are not found on our website. Contact us to request a non-obligatory quote.**

| | | |
|------------------|---|--------|
| PT-WGSW-24040HP | PLANET 24-Port 10/100/1000Mbps 802.3at PoE+ Managed Switch w/4 Shared SFP Ports 220W | 635.55 |
| PT-WGSW-24040HP4 | PLANET 24-Port 10/100/1000Mbps 802.3at PoE+ Managed Switch with 4 Shared SFP Ports 440W | 706.95 |



SWTC-PTG803



SW-504



SWTC-PT1601



SWTC-PT2401



SWTC-PT4800



SWTC-PT2620



GSW-1601



PT-GS-4210-16UP4C



PT-GS-4210-24PL4C



MGSW-28240F



PT-MTB-LR



PT-WGSW-24040HP4



SWTC-GS105NA



SWTC-FS108P



SWTC-GS724TV4



SWTC-XS708E



EW-EX25611



EW-EX16914-3



EW-EX1608SFC8



EW-EX17082

| Item # | Description | List Price |
|---|--|------------|
| NETGEAR® 10/100/1000TX 5 and 8 Port Desktop Ethernet Switches | | |
| NETGEAR's Gigabit Switches offer users high-speed network connections in a compact cost effective switch. The GS series switches feature auto-negotiation between 10, 100 and 1000Mbps connections allowing users to migrate to higher speeds over time. With Auto uplink and full duplex operation, these NETGEAR Gigabit switches make connections simple and fast. Includes an external power supply. As an authorized NETGEAR reseller, we can bid on RFQs for any NETGEAR part numbers. Contact us to request a non-obligatory quote. | | |
| SWTC-GS105NA | NETGEAR 10/100/1000Mbps 5 Port RJ45 Switch | 52.08 |
| SWTC-GS108NA | NETGEAR 10/100/1000Mbps 8 Port RJ45 Switch | 98.42 |

NETGEAR® 10/100TX 5, 8 and 16 Port Desktop Ethernet Switches (Metal Case)

NETGEAR's 10/100Mbps fast ethernet switches provide your LAN with economical, high-speed, 10/100 Mbps auto-sensing connectivity. Just plug in your Ethernet cables and connect a power cord and you network is up and running. These switches are engineered without the need for an internal fan, thus providing silent operation. The switches feature a very compact footprint and a sturdy metal case for years of dependable use. **As an authorized NETGEAR reseller, we can bid on RFQs for any NETGEAR part numbers. Contact us to request a non-obligatory quote.**

| | | |
|--------------|---|--------|
| SWTC-FS105NA | NETGEAR 10/100Mbps 5 Port RJ45 Switch | 34.17 |
| SWTC-FS108NA | NETGEAR 10/100Mbps 8 Port RJ45 Switch | 54.90 |
| SWTC-FS108P | NETGEAR 10/100Mbps 8 Port with 4 PoE Ports Switch | 182.00 |
| SWTC-FS116NA | NETGEAR 10/100Mbps 16 Port RJ45 Switch | 88.08 |

NETGEAR® 10/100/1000TX 24-Port plus 2 SFP Gigabit Ethernet Switch

This NETGEAR 24-port Gigabit Ethernet switch is high on value and capability. With 24 10/100/1000 Mbps ports, each capable of powering 2,000 Mbps of data throughput in full-duplex mode, plus two optional fiber ports, the SWTC-GS724T provides a fast backbone and connects servers or power users, delivering large amounts of multimedia, image, and video information in no time at all. In addition, an intuitive, web-browser interface offers SimpleSmart Switch management, making it a snap to monitor switch performance, configure ports, even set up port trunks, VLANs, and traffic prioritization. Alternatively, use SNMP-based software to manage your Smart Switch. **As an authorized NETGEAR reseller, we can bid on RFQs for any NETGEAR part numbers. Contact us to request a non-obligatory quote.**

| | | |
|---------------|--|--------|
| SWTC-GS724TV4 | NETGEAR 10/100/1000TX 24 Port Gigabit Ethernet Switch + 2 Optional SFP Fiber Ports | 347.13 |
|---------------|--|--------|

NETGEAR® 8 1000/10GTX Port Smart Switch With 1 10G SFP+ Port

The NETGEAR SWTC-XS708E unmanaged plus 10 Gigabit switch provides a simple to set up and use high speed networking solution. This switch provides 8 10 Gig RJ45 ports and one SFP+ slot to provide additional network flexibility. With the ability to rack mount, or simply use this as a standalone switch, the SWTC-XS708E is a versatile tool to upgrade into a 10G network. **As an authorized NETGEAR reseller, we can bid on RFQs for any NETGEAR part numbers. Contact us to request a non obligatory quote.**

| | | |
|-------------|---|---------|
| SWTC-XS708E | NETGEAR 8 10G RJ45 Port Switch With 1 SFP+ Port | 1378.15 |
|-------------|---|---------|

EtherWAN 24 10/100/1000TX Managed Switch with 4 Gigabit SFP Slots and 4 10G SFP+ Slots

The EtherWAN EW-EX25611 managed 24 port ethernet switch is a high speed, flexible networking solution that provides 4 Gigabit SFP combo ports and 4 1/10G SFP+ ports that lets users update their network from Gigabit to 10G gradually. The combo ports will accept Gigabit SFP modules, while the 10G ports will accept either Gigabit or 10G SFP modules. **As an authorized EtherWAN reseller, we can bid on RFQs for any EtherWAN part numbers. Contact us to request a non obligatory quote.**

| | | |
|------------|---|---------|
| EW-EX25611 | EtherWAN 24 10/100/1000TX RJ45 Switch With 4 SFP and 4 SFP+ Ports | 2657.85 |
|------------|---|---------|

EtherWAN Unmanaged 5 Port 10/100/1000TX Switches

EtherWAN's EX16900 Series Unmanaged Gigabit Switches are perfect for home or small office environments where only a few connections are needed, but high speed is a requirement. These switches are available in 5 port RJ45 or 4 port RJ45 with one fiber SC, ST, or SFP port. **As an authorized EtherWAN reseller, we can bid on RFQs for any EtherWAN part numbers. Contact us to request a non obligatory quote.**

| | | |
|--------------|--|--------|
| EW-EX16905 | EtherWAN Unmanaged 5 Port 10/100/1000TX Ethernet Switch | 69.43 |
| EW-EX16914-3 | EtherWAN Unmanaged 4 Port 10/100/1000TX, 1 Port 1000SX SC 550M Ethernet Switch | 173.05 |
| EW-EX16914-4 | EtherWAN Unmanaged 4 Port 10/100/1000TX, 1 Port 1000SX SC 2KM Ethernet Switch | 243.51 |
| EW-EX16914-5 | EtherWAN Unmanaged 4 Port 10/100/1000TX, 1 Port 1000SX ST 550m Ethernet Switch | 173.05 |
| EW-EX16914-V | EtherWAN Unmanaged 4 Port 10/100/1000TX, 1 Gigabit SFP Port Ethernet Switch | 106.73 |

EtherWAN Unmanaged 8-Port 10/100Base Ethernet Switches

EtherWAN's EX1608SF series has a store and forward mechanism and true non-blocking architecture for demanding multimedia imaging applications. The fiber optic connections are ideal for large environments where noise and security is an issue. **As an authorized EtherWAN reseller, we can bid on RFQs for any EtherWAN part numbers. Contact us to request a non obligatory quote.**

| | | |
|------------------|---|---------|
| EW-EX1608SFC8 | EtherWAN Commercial Ethernet Fiber Switch 8-10/100FX Ports (2Km) | 984.39 |
| EW-EX1608SFC8-15 | EtherWAN Commercial Ethernet Fiber Switch 8-10/100FX Ports (15Km) | 1904.54 |

EtherWAN 10/100TX PoE Switches - Web Based Management

EtherWAN's EX17000 Series PoE 10/100BASE Fast Ethernet Web-Smart PoE Ethernet Switches are designed to operate in the small or medium network environment to provide Power to PoE driven devices, such as PoE IP cameras. These PoE switches may be desktop or rack mounted and all ports support IEEE802.3af Power over Ethernet (PoE) Power Sourcing Equipment (PSE) and can detect an IEEE802.3af compliant Powered Device (PD). Additionally the EX17000 Series switches feature a web browser interface that allows the user to configure IP settings, Port Based VLAN, QoS settings, and more. **As an authorized EtherWAN reseller, we can bid on RFQs for any EtherWAN part numbers. Contact us to request a non obligatory quote.**

| | | |
|------------|--|--------|
| EW-EX17008 | EtherWAN Commercial Ethernet Switch 10/100TX PoE 8-Ports | 249.00 |
| EW-EX17016 | EtherWAN Commercial Ethernet Switch 10/100TX PoE 16-Ports | 413.00 |
| EW-EX17082 | EtherWAN Web Based Managed Industrial Ethernet Switch 10/100TX PoE 8-Ports + 2GIG SFP Combo | 393.00 |
| EW-EX17162 | EtherWAN Web Based Managed Industrial Ethernet Switch 10/100TX PoE 16-Ports + 2GIG SFP Combo | 543.98 |
| EW-EX17242 | EtherWAN Web Based Managed Industrial Ethernet Switch 10/100TX PoE 24-Ports + 2GIG SFP Combo | 855.00 |

| Item # | Description | List Price |
|--------|-------------|------------|
|--------|-------------|------------|

Hirschmann OpenRail RS20/RS30 Managed 24V DC Industrial Ethernet Switches

Hirschmann's OpenRail line of managed industrial Ethernet switches are available with a choice of "enhanced" or "professional" firmware. Users can decide which functionality their application requires and select the appropriate firmware option without having to pay for features they do not need. Features like IGMP Snooping and HIPER Ring are available in all OpenRail switches. These robust switches also feature a USB port for backing up and restoring the configuration using an Auto-Configuration Adapter or USB drive. **As an authorized Hirschmann reseller, we can bid on RFQs for any Hirschmann part numbers. Contact us to request a non-obligatory quote.**

| | | |
|-------------------|--|---------|
| RS20800T1T1SDAE | Hirschmann OpenRail Switch 8 10/100TX | 1165.72 |
| RS20-1600T1T1SDAE | Hirschmann OpenRail Switch 16 10/100TX | 1904.54 |
| RS20800S2S2SDAE | Hirschmann OpenRail Switch 6 10/100TX 2 Single mode SC | 1864.10 |
| RS32402T1T1SDAE | Hirschmann OpenRail Switch 24 10/100TX 2 10/100/1000TX | 3466.09 |
| RS20-0800M2M2SDAE | Hirschmann OpenRail Switch 6 10/100TX 2 Multimode SC | 1637.20 |
| M-SFP-SX/LC | Hirschmann SFP 1000BASE-SX LC 550m | 194.81 |
| M-SFP-LX/LC | Hirschmann SFP 1000BASE-LX LC 20km | 350.24 |
| M-SFP-LH/LC | Hirschmann SFP 1000BASE-LX LC 70km | 1942.88 |
| M-SFP-LH+/LC | Hirschmann SFP 1000BASE-LX LC 120km | 3419.46 |

Hirschmann (MICE) Managed Modular 8 Port Ethernet/Fast Ethernet Rail Switch

Hirschmann Modular Industrial Communication Equipment (MICE) Ethernet/Fast Ethernet switches offer a unique combination of network management tools, redundancy features for high availability and modular media plug-ins for versatility. The compact switches are DIN rail mountable, with redundant 24-volt power supplies and are compatible with 10BASE-T, 10BASE-FL, 100BASE-TX and 100BASE-FX. The switches will accommodate twisted pair, single mode or multimode fiber optic connections. MICE switches are made up of an integrated backplane and a modular dock that accepts the various media modules. The switches support SNMP management, web-based management, port mirroring, port security, remote monitoring (RMON), bootstrap protocol (BootP), Dynamic Host Configuration Protocol (DHCP) and Hirschmann's unique HIPER Ring. Hirschmann's HIPER Ring provides high availability through self-healing ring redundancy. The switches' rugged construction meets all standards for industrial Ethernet, making them suitable for applications where EMI interference, shock, vibration and temperature might otherwise cause concern. **As an authorized Hirschmann reseller, we can bid on RFQs for any Hirschmann part numbers. Contact us to request a non-obligatory quote.**

| | | |
|----------------|--|---------|
| MS20-0800SAAE | Hirschmann MICE Backplane 2 Slots | 1088.01 |
| MS20-1600SAAE | Hirschmann MICE Backplane 4 Slots | 1966.71 |
| MS30-1602SAAE | Hirschmann MICE Backplane 4 10/100 Slots 1 Gig Slot | 2440.25 |
| MB-2T | Hirschmann 2 Slot Expansion Backplane for MS3124-4 | 201.02 |
| MM2-4TX1 | Hirschmann 4 10/100 Mbps RJ45 Ports | 326.40 |
| MM2-4FXM3 | Hirschmann 4 100 Mbps Multimode MT-RJ Ports | 1212.35 |
| MM2-2FXM2 | Hirschmann 2 100 Mbps Multimode SC Ports | 652.81 |
| MM2-2FXS2 | Hirschmann 2 100 Mbps Single mode SC Ports | 1336.70 |
| MM2-2FXM3/2TX1 | Hirschmann 2 10/100 Mbps RJ45s plus 2 100 Mbps Multimode MT-RJ Ports | 769.90 |

Hirschmann Eagle Series Industrial Firewall System

The Hirschmann Eagle series security firewalls provide secure access to and from your Ethernet network. These IP Routers feature one trusted port and one untrusted port to control user access to critical network services such as servers and PCs. Security features include NAT, PPOE, PPTP, APR limiter MAC filtering and Kaspersky anti virus engine. These routers are powered by an external 24V DC power supply (sold separately) and are IP20 rated for harsh environments. **As an authorized Hirschmann reseller, we can bid on RFQs for any Hirschmann part numbers. Contact us to request a non-obligatory quote.**

| | | |
|---------------|--|---------|
| EAGLE-1TX-1TX | Hirschmann Eagle Firewall System 1 RJ45 Trusted, 1 RJ45 Untrusted | 1652.74 |
| EAGLE-1TX-1FX | Hirschmann Eagle Firewall System 1 SC MM Trusted, 1 RJ45 Untrusted | 1859.98 |

Hirschmann 10/100TX Industrial Compact Fast Ethernet Rail Switches

Hirschmann Industrial Compact Switches provide the industrial customer with a cost effective way to add Ethernet connectivity on the factory floor. The Hirschmann Industrial line features rugged metal enclosures and DIN Rail mounting. The switches also feature redundant 24 VDC inputs and an open relay contact to facilitate connection to PLCs, allowing reaction to malfunction or process control alarms. The FX switches feature the extended range of fiber optic cabling via an integrated multimode fiber optic port. The fiber port can be used to create a fiber optic backbone to a central control room. **As an authorized Hirschmann reseller, we can bid on RFQs for any Hirschmann part numbers. Contact us to request a non-obligatory quote.**

| | | |
|------------|--|--------|
| RS2-5TX | Hirschmann Industrial Switch 10/100 Mbps 5-Port RJ45 | 409.28 |
| RS2-5TX/FX | Hirschmann Industrial Switch 10/100 Mbps 4 RJ45s + 1 Multimode MT-RJ | 531.57 |

Hirschmann Unmanaged SPIDER 10/100TX Fast Ethernet Rail Switches

The Hirschmann SPIDER unmanaged Industrial Ethernet Rail Switches are the perfect small form factor solution for your industrial Ethernet connectivity needs. Each switch features store and forward operation which stops corrupt packets from entering your network and five RJ45 10/100Base-TX Ethernet (10 Mbit/s) and Fast-Ethernet (100 Mbit/s) Ports, which support auto-crossing, auto-negotiation, and auto-polarity. The SPIDER family utilizes a 24V DC power source (sold separately) and is DIN rail mountable. **As an authorized Hirschmann reseller, we can bid on RFQs for any Hirschmann part numbers. Contact us to request a non-obligatory quote.**

| | | |
|-------------------|---|--------|
| SWTC-SPIDER3TX | Hirschmann Unmanaged SPIDER 3 Port 10/100 Ethernet Rail Switch | 103.62 |
| SWTC-SPIDER4TX1FX | Hirschmann Unmanaged SPIDER 4 Port 10/100 1 Port 100FX Ethernet Rail Switch | 217.60 |
| SWTC-SPIDER5TX | Hirschmann Unmanaged SPIDER 5 Port 10/100 Ethernet Rail Switch | 155.43 |

Hirschmann 24 VDC DIN Rail Power Supply

As an authorized Hirschmann reseller, we can bid on RFQs for any Hirschmann part numbers. Contact us to request a non-obligatory quote.

| | | |
|------------|---|--------|
| RPS30 | Hirschmann 24 VDC DIN Rail Power Supply, 1.3A | 139.89 |
| RPS80-EEC | Hirschmann 24 VDC DIN Rail Power Supply, 3.4A | 225.89 |
| RPS120-EEC | Hirschmann 24 VDC DIN Rail Power Supply, 5A | 378.21 |



RS20800T1T1SDAE



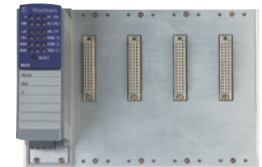
RS32402T1T1SDAE



RS20-0800M2M2SDAE



M-SFP-LX/LC



MS20-1600SAAE



EAGLE-1TX-1TX



RS2-5TX



RS2-5TX/FX



SWTC-SPIDER5TX



RPS30



RPS120-EEC



IES-2205

IES-2208



IES-2216



IES-2206

IES-2210



IES-2220



LCPS-4024



LCPS-6024

| Item # | Description | List Price |
|--|--|------------|
| L-com 10/100TX IES-Series 5, 8 and 16 Port Industrial Fast Ethernet Switches | | |
| L-com's IES-Series Industrial Ethernet Switch line offers ease of deployment, cost savings and robust switching. These rugged industrial Ethernet switches feature auto-negotiating 10/100 RJ45 ports as well as easy to read system status LEDs. These switches are powered by an external 24V DC power supply (sold separately) and feature standard 35mm DIN rail mounting brackets. The IES-Series switches are unmanaged and can be installed in minutes providing industrial network connectivity for myriad applications including industrial automation, factory automation, process control networking and energy network connectivity. | | |
| IES-2205 | L-com IES-Series 5 Port 10/100TX Industrial Ethernet Switch | 122.27 |
| IES-2208 | L-com IES-Series 8 Port 10/100TX Industrial Ethernet Switch | 184.44 |
| IES-2216 | L-com IES-Series 16 Port 10/100TX Industrial Ethernet Switch | 443.49 |

L-com 10/100TX +2 Port 100FX IES-2206 Series Industrial Fast Ethernet Switches

The IES-2206 Series Industrial Ethernet Switches feature four 10/100TX RJ45 ports and two fiber SC ports supporting Ethernet IP communications at 100Mbps. These easy to install DIN rail mountable industrial Ethernet switches are perfect for applications where IP enabled devices require networked communications. The rugged switches can be mounted to standard 35mm DIN rail and are powered by a 24V DC power supply (sold separately). Easy to read LEDs provide at-a-glance system monitoring.

| | | |
|--------------|---|--------|
| IES-2206-M2 | L-com IES-2206 4 Port 10/100TX, 2 Port 100FX SC MM 2km | 225.89 |
| IES-2206-S20 | L-com IES-2206 4 Port 10/100TX, 2 Port 100FX SC SM 20km | 256.98 |
| IES-2206-S40 | L-com IES-2206 4 Port 10/100TX, 2 Port 100FX SC SM 40km | 298.43 |
| IES-2206-S60 | L-com IES-2206 4 Port 10/100TX, 2 Port 100FX SC SM 60km | 567.84 |
| IES-2206-S80 | L-com IES-2206 4 Port 10/100TX, 2 Port 100FX SC SM 80km | 961.59 |

L-com 10/100TX +2 Port 100FX IES-2210 Series Industrial Fast Ethernet Switches

L-com's IES-2210 series Industrial Ethernet Switches feature eight 10/100TX RJ45 ports and two fiber SC ports supporting Ethernet IP communications at 100Mbps. These easy to install DIN rail mountable industrial Ethernet switches are perfect for applications where IP enabled devices require networked communications. The rugged switches can be mounted to standard 35mm DIN rail and are powered by a 24V DC power supply (sold separately). Easy to read LEDs provide at-a-glance system monitoring. The IES-Series switches are unmanaged and can be installed in minutes providing industrial network connectivity for myriad applications including industrial automation, factory automation, process control networking and energy network connectivity.

| | | |
|--------------|---|---------|
| IES-2210-M2 | L-com IES-2210 8 Port 10/100TX, 2 Port 100FX SC MM 2km | 381.32 |
| IES-2210-S20 | L-com IES-2210 8 Port 10/100TX, 2 Port 100FX SC SM 20km | 433.13 |
| IES-2210-S40 | L-com IES-2210 8 Port 10/100TX, 2 Port 100FX SC SM 40km | 474.58 |
| IES-2210-S60 | L-com IES-2210 8 Port 10/100TX, 2 Port 100FX SC SM 60km | 723.27 |
| IES-2210-S80 | L-com IES-2210 8 Port 10/100TX, 2 Port 100FX SC SM 80km | 1117.02 |

L-com 10/100TX +4 Port 100FX IES-2220 Series Industrial Fast Ethernet Switches

IES-2220 series Industrial Ethernet Switches are perfect for applications where IP enabled devices require networked communications. The rugged switches can be mounted to standard 35mm DIN rail and are powered by a 24V DC power supply (sold separately). Easy to read LEDs provide at-a-glance system monitoring. These IES-Series switches are unmanaged and can be installed in minutes providing industrial network connectivity for myriad applications including industrial automation, factory automation, process control networking and energy network connectivity.

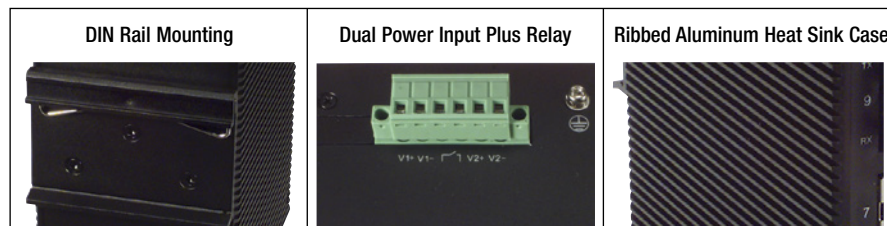
| | | |
|--------------|--|---------|
| IES-2220-M2 | L-com IES-2220 16 Port 10/100TX, 4 Port 100FX SC MM 2km | 764.72 |
| IES-2220-S20 | L-com IES-2220 16 Port 10/100TX, 4 Port 100FX SC SM 20km | 785.44 |
| IES-2220-S40 | L-com IES-2220 16 Port 10/100TX, 4 Port 100FX SC SM 40km | 857.97 |
| IES-2220-S60 | L-com IES-2220 16 Port 10/100TX, 4 Port 100FX SC SM 60km | 1127.39 |
| IES-2220-S80 | L-com IES-2220 16 Port 10/100TX, 4 Port 100FX SC SM 80km | 1397.83 |

24 Volt DC DIN Rail Mount Power Supplies

The LCPS series of power supplies provide a cost effective and reliable 24V DC power source for L-com's line of industrial Ethernet switches and media converters. These units can be installed on any standard 35mm DIN Rail and are NEC Class 2/LPS compliant. They also provide protection against short circuits, overloads and over voltages.

| | | |
|-----------|---|-------|
| LCPS-4024 | DIN Rail Mount Power Supply 24V DC 40W (1.6A) | 81.86 |
| LCPS-6024 | DIN Rail Mount Power Supply 24V DC 60W (2.5A) | 93.26 |

IES Series Industrial Ethernet Switches



- 10Base-T/100Base-TX Full/Half Duplex support
- MDI-MDI-X support
- Broadcast Storm protection
- Redundant power inputs
- Fan-less design
- DIN Rail mounting
- MAC Address Table Size: 1K
- Forwarding Rate: 148,800pps
- Operating Temp: -40°C to +70°C
- Relay output option for visual or audible alarms

| Item # | Description | List Price |
|--------|-------------|------------|
|--------|-------------|------------|

EtherWAN 10/100TX PoE Switches -Web Based Management

EtherWAN's EX17000 series PoE 10/100BASE Fast Ethernet Web-Smart PoE Ethernet Switches are designed to operate in the small or medium network environment to provide power to PoE driven devices, such as PoE IP cameras. These PoE switches may be desktop or rack mounted and all ports support IEEE802.3af Power over Ethernet (PoE) Power Sourcing Equipment (PSE) and can detect an IEEE802.3af compliant Powered Device (PD). Additionally the EX17000 series switches feature a web browser interface that allows the user to configure IP settings, Port Based VLAN, QoS settings, and more. **As an authorized EtherWAN reseller, we can bid on RFQs for any EtherWAN part numbers. Contact us to request a non-obligatory quote.**

| | | |
|------------|--|--------|
| EW-EX17008 | EtherWAN Web Based Managed Industrial Ethernet Switch 8 10/100TX PoE Ports | 249.00 |
| EW-EX17016 | EtherWAN Web Based Managed Industrial Ethernet Switch 16 10/100TX PoE Ports | 413.00 |
| EW-EX17082 | EtherWAN Web Based Managed Industrial Ethernet Switch 8 10/100TX PoE Ports + 2GIG SFP Combo | 393.00 |
| EW-EX17162 | EtherWAN Web Based Managed Industrial Ethernet Switch 16 10/100TX PoE Ports + 2GIG SFP Combo | 543.98 |
| EW-EX17242 | EtherWAN Web Based Managed Industrial Ethernet Switch 24 10/100TX PoE Ports + 2GIG SFP Combo | 855.00 |

EtherWAN 10/100TX Unmanaged Industrial Fast Ethernet Switches (Some Models Include 100FX Duplex SC Fiber Ports)

The EX42000 & EX43000 series compact Fast Ethernet Switches are equipped with 10/100Base-TX RJ45 ports and multimode or single mode fiber uplink ports. By using standard auto-negotiation and the inclusion of auto-MDIX, EtherWAN provides a cost-effective way of integrating legacy 10Mbps networks with 100Mbps Fast Ethernet networks. The TX ports auto-negotiate for 10/100Mbps speed and auto-detect full or half-duplex mode. EX42000 & EX43000 series switches can be DIN-Rail mounted and are equipped with terminal block power inputs. **As an authorized EtherWAN reseller, we can bid on RFQs for any EtherWAN part numbers. Contact us to request a non-obligatory quote.**

| | | |
|-------------------|--|--------|
| EW-EX42005-00-1-A | EtherWAN Unmanaged Industrial Ethernet Switch 5 10/100TX Ports | 93.26 |
| EW-EX42014-1A-1-A | EtherWAN Unmanaged Industrial Ethernet Switch 4 10/100TX Ports + 1 100FX, MM, 2Km, SC | 191.70 |
| EW-EX42014-2A-1-A | EtherWAN Unmanaged Industrial Ethernet Switch 4 10/100TX Ports + 1 100FX, SM, 20Km, SC | 300.50 |

EtherWAN 10/100TX Managed Industrial Fast Ethernet Switch (Some Models with 1000SX or 1000LX Duplex SC Fiber Ports)

The EX61800 series is designed to operate in harsh environments on the factory floor. The EX61800 functions at temperatures ranging from -10°C to 60°C (14°F to 140°F). The EX61800 will provide flawless communications when you need it most. The EX61800 is a managed switch with the flexibility of eight 10/100 Ethernet ports that may be configured in various combinations of copper and fiber optic interfaces. **As an authorized EtherWAN reseller, we can bid on RFQs for any EtherWAN part numbers. Contact us to request a non-obligatory quote.**

| | | |
|-----------------|---|---------|
| EW-EX61800A-00B | EtherWAN Managed Industrial Ethernet Switch 8 10/100TX Ports | 626.88 |
| EW-EX61801A-03B | EtherWAN Managed Industrial Ethernet Switch 8 10/100TX Ports + 1 1000SX, MM, 550M, SC | 797.85 |
| EW-EX61801A-04B | EtherWAN Managed Industrial Ethernet Switch 8 10/100TX Ports + 1 1000LX, SM, 10Km, SC | 875.57 |
| EW-EX61802A-03B | EtherWAN Managed Industrial Ethernet Switch 8 10/100TX Ports + 2 1000SX, MM, 550M, SC | 968.83 |
| EW-EX61802A-04B | EtherWAN Managed Industrial Ethernet Switch 8 10/100TX Ports + 2 1000LX, SM, 10Km, SC | 1119.08 |

EtherWAN 10/100TX Unmanaged NEMA Hardened Fast Ethernet Switch (-40°C to +75°C)

The EX94000 Unmanaged NEMA Hardened Fast Ethernet Switch is designed to function at temperatures ranging from -40°C to 75°C (-40°F to 167°F) and tested for functional operation up to 85°C (185°F). Equipped with 10/100Base-TX RJ45 ports and multimode or single mode fiber uplink ports, they may be DIN rail, panel or rack mounted. The EX94000 series comes with power options to match the applications that require a tough, environmentally hardened product. Complies with NEMA TS1 & TS2 environmental requirements for traffic control equipment, complies with IEC61000-6-2 EMC generic standard immunity for Industrial environment ISA 12.12.01 (UL1604) Class I, and Division 2 Classified for use in hazardous locations (applicable to versions with DC Terminal Block power option). The variable power terminal block input can support voltages ranging from 12 to 48 VDC. **As an authorized EtherWAN reseller, we can bid on RFQs for any EtherWAN part numbers. Contact us to request a non-obligatory quote.**

| | | |
|-------------------|---|--------|
| EW-EX94008-00-1-A | EtherWAN Unmanaged NEMA Hardened Ethernet Switch 8 10/100TX Ports | 259.03 |
|-------------------|---|--------|

EtherWAN 10/100TX Managed NEMA Hardened Fast Ethernet Switches (-40°C to +75°C)

The EX71000 series of Managed NEMA Hardened Fast Ethernet Switches are designed to function at temperatures ranging from -40°C to 75°C (-40°F to 167°F) and are tested for functional operation up to 85°C (185°F). Equipped with 10/100Base-TX RJ45 ports and multimode or single mode fiber uplink ports, they may be DIN rail, panel or rack mounted. The EX71000 series comes with power options to match the applications that require a tough, environmentally hardened product. Complies with NEMA TS1 & TS2 environmental requirements for traffic control equipment, complies with IEC61000-6-2 EMC generic standard immunity for Industrial environment ISA 12.12.01 (UL1604) Class I, and Division 2 Classified for use in hazardous locations (applicable to versions with DC Terminal Block power option). The variable power terminal block input can support voltages ranging from 12 to 48 VDC. **As an authorized EtherWAN reseller, we can bid on RFQs for any EtherWAN part numbers. Contact us to request a non-obligatory quote.**

| | | |
|----------------|---|---------|
| EW-EX71800-00B | EtherWAN Managed NEMA Hardened Ethernet Switch 8 10/100TX Ports | 803.03 |
| EW-EX71802-01B | EtherWAN Managed NEMA Hardened Ethernet Switch 8 10/100TX Ports + 1 100FX, MM, 2Km, SC | 994.73 |
| EW-EX71802-04B | EtherWAN Managed NEMA Hardened Ethernet Switch 8 10/100TX Ports + 1 100FX, SM, 20Km, SC | 1378.13 |

EtherWAN 24V and 48V AC/DC DIN Rail Power Supplies

EtherWAN offers several versions of AC/DC DIN Rail power supplies for providing safety low voltage to its Industrial Ethernet Switch and media converter lines. The EW-24VDC-30 provides 24 VDC power @ 30 watts to connected equipment and the EW-48VDC-120 provides up to 48 volt DC @ 120 Watts. **As an authorized EtherWAN reseller, we can bid on RFQs for any EtherWAN part numbers. Contact us to request a non-obligatory quote.**

| | | |
|--------------|---|--------|
| EW-24VDC-30 | EtherWAN Unmanaged 24V DC 30 Watt (1.25A) DIN Rail Power Supply | 81.86 |
| EW-24VDC-60 | EtherWAN Unmanaged 24V DC 60 Watt (2.5A) DIN Rail Power Supply | 129.53 |
| EW-24VDC-75 | EtherWAN Unmanaged 24V DC 75 Watt (3A) DIN Rail Power Supply | 176.15 |
| EW-48VDC-75 | EtherWAN Unmanaged 48V DC 75 Watt (1.5A) DIN Rail Power Supply | 176.15 |
| EW-48VDC-120 | EtherWAN Unmanaged 48V DC 120 (2.5A) Watt DIN Rail Power Supply | 195.84 |



EW-EX17008



EW-EX42005-00-1-A



EW-EX61800A-00B



EW-EX94008-00-1-A



EW-EX71800-00B



EW-48VDC-120



Security Tutorial

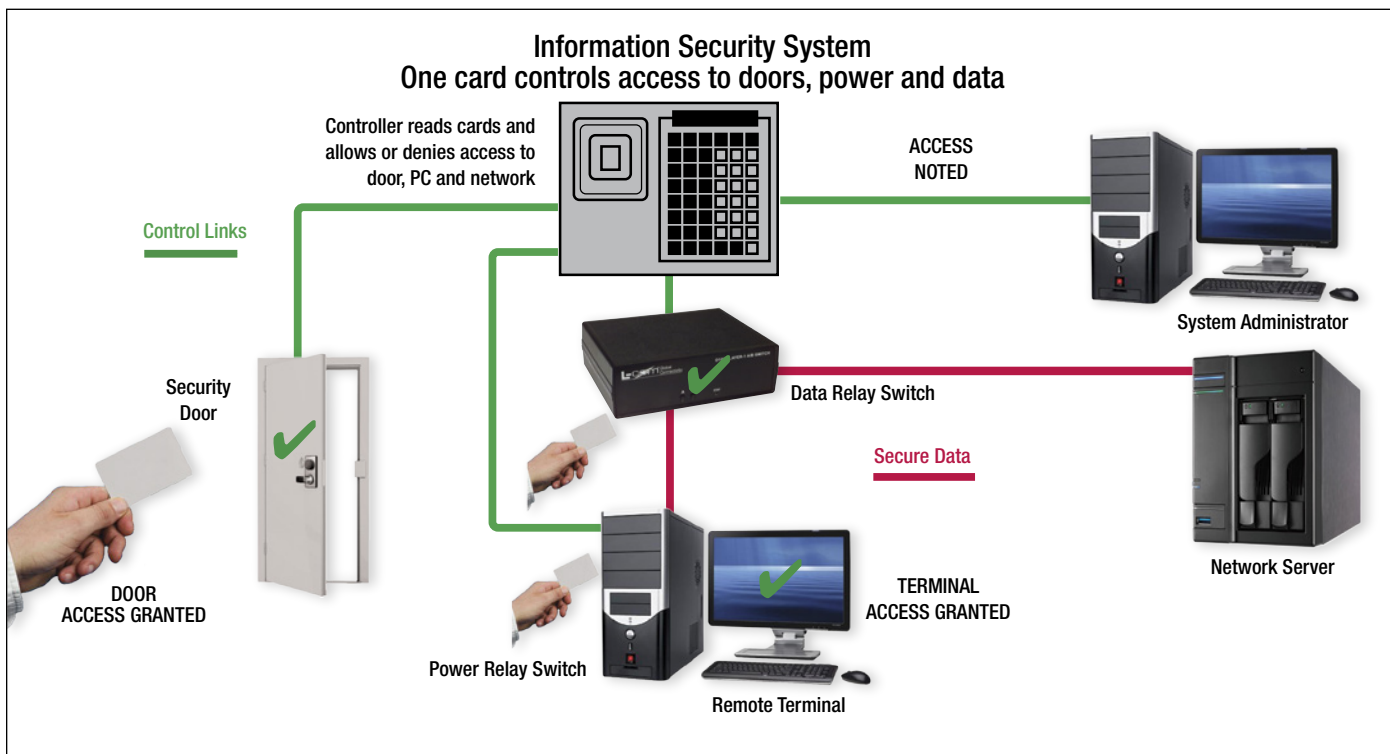
Physical Layer Air Gap Network Switch Overview Air-Gap Network Switches = Secure Hardware Access Control

Unauthorized access to private networks presents the greatest security threat to any organization that deals in sensitive or classified data. Theft of classified information and trade secrets, corruption of data and unauthorized control of automated systems relentlessly challenge security officers and network administrators.

Hardware security centers on the control of the wired and wireless connections at the edges of

networks and systems that tie their elements together. These solutions are air-gap switches that open and close those connections. Whether the switches are controlled manually or automatically, their points of connection to the systems and networks they protect are managed with the absolute assurance of hardware that cannot be breached by unauthorized personnel through the communications channel that passes through the switch.

Hardware security solutions are traditionally applied to the control of physical spaces like buildings, laboratories and data centers. Card and key fob credentials are commonly used to gain access to those spaces. The same credentials can be used to control access to electronic and optical data streams when specialized hardware is integrated with an air gap network switch.



Optional Product Features

Ethernet IP Access/Control



Allows IP access to an Ethernet network for monitoring and control

Serial Access/Control



Allows RS232 serial access for monitoring and control

Latching or Non-Latching



Non-Latching versions provide automatic fail-over to the default port A to C connection state when power fails or is removed

| Item # | Description | List Price |
|--------|-------------|------------|
|--------|-------------|------------|

L-com Category 6 A/B Physical Layer Air Gap Network Switch Boxes

L-com's Category 6 A/B Network Switches are a physical layer hardware solution which supports a variety of applications including secure or simple desktop network resource sharing, disaster recovery, network access control, and auto fail-back. These switch boxes feature a unique relay technology that supports the switching mechanism. Additionally, all units incorporate technology that enables these switch boxes to operate independent of data rates, protocol and formats. This allows them to pass 10/100/1000Mbps, 10Gbps, and other future, high speed data rates. Non-latching or latching relay configurations are available. The non-latching units provide automatic fail-over to the default Port A to C connection state when power fails or is removed. Latching relays provide the benefit of maintaining the flow of data between the connected devices even when power is removed. **Note:** The Ethernet models may be controlled via telnet, web browser or SNMP. Ships with a universal 12V DC power supply with four different style country plugs.

L-com Category 6 A/B Physical Layer Air Gap Network Switch Boxes (RJ45 Ports)

| | | |
|----------------|--|--------|
| LC-SNSW-C6-L | L-com Cat6 A/B Network Switch - Latching | 363.40 |
| LC-SNSW-C6 | L-com Cat6 A/B Network Switch - Non-Latching | 363.40 |
| LC-SNSW-C6-LSC | L-com Cat6 A/B Network Switch with Serial Control - Latching | 391.68 |
| LC-SNSW-C6-SC | L-com Cat6 A/B Network Switch with Serial Control - Non-Latching | 391.68 |
| LC-SNSW-C6-LEC | L-com Cat6 A/B Network Switch with Ethernet Control - Latching | 505.92 |
| LC-SNSW-C6-EC | L-com Cat6 A/B Network Switch with Ethernet Control - Non-Latching | 505.92 |

L-com Fiber Optic A/B Physical Layer Air Gap Network Switch Boxes (Multimode and Single mode)

L-com's fiber optic A/B Network Switches support a variety of switching, or access and control applications all in a compact desktop enclosure. These applications include disaster recovery, air gapped network access control, desktop switching, and secure switching. The fiber optic switch boxes utilize special optical switching mechanisms that redirect the light beams between selected ports. There is no optical-to-electrical-to-optical conversion needed. Because of this, these switches are able to support any data rate, format, or protocol that can be sent over fiber optic cables that are attached to the switch. The multimode fiber switch models support any/all wavelengths from 800 to 1600nm, while the single mode fiber switches support 1310 and 1550nm wavelengths. Non-latching or latching relay configurations are available. The non-latching units provide automatic fail-over to the default Port A to C connection state when power fails or is removed. Latching versions provide the benefit of maintaining the flow of data between the connected devices even when power is removed. **Note:** The Ethernet models may be controlled via telnet, web browser or SNMP. Ships with a universal 12V DC power supply with four different style country plugs.

L-com Multimode Fiber A/B Physical Layer Air Gap Network Switch Boxes (Duplex SC Connectors)

| | | |
|-------------------|--|--------|
| LC-SNSW-FMMSC-L | L-com Multimode SC Fiber A/B Switch - Latching | 823.62 |
| LC-SNSW-FMMSC | L-com Multimode SC Fiber A/B Switch - Non-Latching | 823.62 |
| LC-SNSW-FMMSC-LSC | L-com Multimode SC Fiber A/B Switch with Serial Control - Latching | 851.91 |
| LC-SNSW-FMMSC-SC | L-com Multimode SC Fiber A/B Switch with Serial Control - Non-Latching | 851.91 |
| LC-SNSW-FMMSC-LEC | L-com Multimode SC Fiber A/B Switch with Ethernet Control - Latching | 961.80 |
| LC-SNSW-FMMSC-EC | L-com Multimode SC Fiber A/B Switch with Ethernet Control - Non-Latching | 961.80 |

L-com Multimode Fiber A/B Physical Layer Air Gap Network Switch Boxes (Duplex ST Connectors)

| | | |
|-------------------|--|--------|
| LC-SNSW-FMMST-L | L-com Multimode ST Fiber A/B Switch - Latching | 823.62 |
| LC-SNSW-FMMST | L-com Multimode ST Fiber A/B Switch - Non-Latching | 823.62 |
| LC-SNSW-FMMST-LSC | L-com Multimode ST Fiber A/B Switch with Serial Control - Latching | 851.91 |
| LC-SNSW-FMMST-SC | L-com Multimode ST Fiber A/B Switch with Serial Control - Non-Latching | 851.91 |
| LC-SNSW-FMMST-LEC | L-com Multimode ST Fiber A/B Switch with Ethernet Control - Latching | 961.80 |
| LC-SNSW-FMMST-EC | L-com Multimode ST Fiber A/B Switch with Ethernet Control - Non-Latching | 961.80 |

L-com Multimode Fiber A/B Physical Layer Air Gap Network Switch Boxes (Duplex LC Connectors)

| | | |
|-------------------|--|---------|
| LC-SNSW-FMMLC-L | L-com Multimode LC Fiber A/B Switch - Latching | 1027.08 |
| LC-SNSW-FMMLC | L-com Multimode LC Fiber A/B Switch - Non-Latching | 1027.08 |
| LC-SNSW-FMMLC-LSC | L-com Multimode LC Fiber A/B Switch with Serial Control - Latching | 1054.28 |
| LC-SNSW-FMMLC-SC | L-com Multimode LC Fiber A/B Switch with Serial Control - Non-Latching | 1054.28 |
| LC-SNSW-FMMLC-LEC | L-com Multimode LC Fiber A/B Switch with Ethernet Control - Latching | 1165.26 |
| LC-SNSW-FMMLC-EC | L-com Multimode LC Fiber A/B Switch with Ethernet Control - Non-Latching | 1165.26 |

L-com Single mode Fiber A/B Physical Layer Air Gap Network Switch Boxes (Duplex SC Connectors)

| | | |
|-------------------|--|---------|
| LC-SNSW-FSMSC-L | L-com Single mode SC Fiber A/B Switch - Latching | 1284.94 |
| LC-SNSW-FSMSC | L-com Single mode SC Fiber A/B Switch - Non-Latching | 1284.94 |
| LC-SNSW-FSMSC-LSC | L-com Single mode SC Fiber A/B Switch with Serial Control - Latching | 1312.14 |
| LC-SNSW-FSMSC-SC | L-com Single mode SC Fiber A/B Switch with Serial Control - Non-Latching | 1312.14 |
| LC-SNSW-FSMSC-LEC | L-com Single mode SC Fiber A/B Switch with Ethernet Control - Latching | 1426.38 |
| LC-SNSW-FSMSC-EC | L-com Single mode SC Fiber A/B Switch with Ethernet Control - Non-Latching | 1426.38 |

L-com Single mode Fiber A/B Physical Layer Air Gap Network Switch Boxes (Duplex ST Connectors)

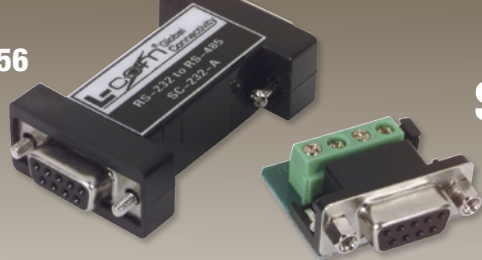
| | | |
|-------------------|--|---------|
| LC-SNSW-FSMST-L | L-com Single mode ST Fiber A/B Switch - Latching | 1284.94 |
| LC-SNSW-FSMST | L-com Single mode ST Fiber A/B Switch - Non-Latching | 1284.94 |
| LC-SNSW-FSMST-LSC | L-com Single mode ST Fiber A/B Switch with Serial Control - Latching | 1312.14 |
| LC-SNSW-FSMST-SC | L-com Single mode ST Fiber A/B Switch with Serial Control - Non-Latching | 1312.14 |
| LC-SNSW-FSMST-LEC | L-com Single mode ST Fiber A/B Switch with Ethernet Control - Latching | 1426.38 |
| LC-SNSW-FSMST-EC | L-com Single mode ST Fiber A/B Switch with Ethernet Control - Non-Latching | 1426.38 |

L-com Single mode Fiber A/B Physical Layer Air Gap Network Switch Boxes (Duplex LC Connectors)

| | | |
|-------------------|--|---------|
| LC-SNSW-FSMLC-L | L-com Single mode LC Fiber A/B Switch - Latching | 1487.31 |
| LC-SNSW-FSMLC | L-com Single mode LC Fiber A/B Switch - Non-Latching | 1487.31 |
| LC-SNSW-FSMLC-LSC | L-com Single mode LC Fiber A/B Switch with Serial Control - Latching | 1514.51 |
| LC-SNSW-FSMLC-SC | L-com Single mode LC Fiber A/B Switch with Serial Control - Non-Latching | 1514.51 |
| LC-SNSW-FSMLC-LEC | L-com Single mode LC Fiber A/B Switch with Ethernet Control - Latching | 1625.49 |
| LC-SNSW-FSMLC-EC | L-com Single mode LC Fiber A/B Switch with Ethernet Control - Non-Latching | 1625.49 |



Serial Products Tutorial



What is a Serial Converter?

A Serial Converter, sometimes referred to as an Interface converter, allows you to convert between different serial protocols to allow for the interconnectivity of various serial devices.

How is a Serial Converter used?

Serial Converters typically consist of a minimum of two bi-directional interfaces, one each for the different protocols being converted, for RS232 (Full Duplex/Half Duplex) for RS422/423/485 (Half Duplex). These interfaces can consist of any combination of Telephony style Modular Jacks, Terminal Blocks or D-Subs (DB9, DB25). In the case of an RS232 to RS485 Converter, one of the interfaces would be used to handle the RS232 signals while the other is used to handle the RS485 signals.

RS232:

First introduced in 1962, it is a series of standards for serial binary single-ended data and control signals for connecting a DTE (Data Terminal Equipment) (PC) and a DCE (Data Communication Equipment) (Modem).

It uses multi-conductor cabling and can function in half duplex as well as full duplex modes of operation. It was designed for point-to-point connections, (1) DTE & (1) DCE.

The accepted max distance for standard cabling is 50 feet (15m) with a maximum baud rate of 20 kbit/s. Theoretically, 1kbit/s can be achieved at 4,000 feet (1,200m). With low-capacitance cabling the 20 kbit/s can be effectively maintained up to a theoretical distance of 1,000 feet (300m).

RS422:

A high-speed protocol similar to RS232 but with differential signaling in a multi-drop configuration.

It was designed for half duplex mode of operation.

It uses Twisted Pair cabling and can support a maximum of 10 Devices (1) DTE & (10) DCE.

With appropriate cabling it can be effectively used up to a theoretical distance of 4,000 feet (1,200m).

With a maximum baud rate of 10 Mbit/s at 40 feet (12m) & 100 kbit/s at 4,000 feet (1,200m).

RS423:

A high-speed protocol similar to RS422 but with unbalanced signaling in a multi-drop configuration.

It uses multi-conductor cabling and was designed for half duplex mode of operation.

It can support a maximum of 10 Devices (1) DTE & (10) DCE.

With a maximum baud rate of 100 kbit/s at 40 feet (12m) 1kbit/s at 4,000 feet (1,200m).

RS485:

A protocol developed from RS422 that can be used as a bus in multi-drop/multipoint configurations.

It was designed for half duplex mode of operation.

It uses Twisted Pair cabling and can support a maximum of 32 Devices.

With appropriate cabling it can be effectively used up to a theoretical distance of 4,000 feet (1,200m).

With a maximum baud rate of 35 Mbit/s at 40 feet (12m) & 100 kbit/s at 4,000 feet (1,200m).

Typical Serial Converter Applications



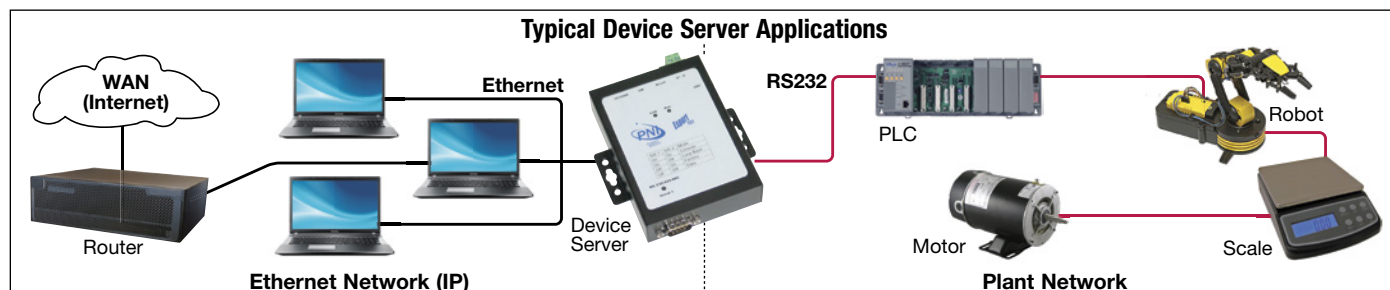
What is a Device Server?

A Device Server, sometimes referred to as a Serial Server, is used to connect a serial network or device such as RS232 to an Ethernet Network that uses the IP (Internet Protocol) data transmission.

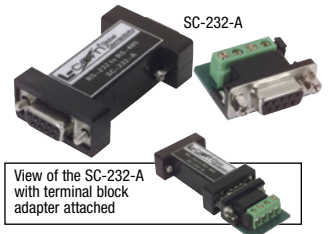
How is a Device Server used?

A Device Server has one or more serial ports and typically one RJ45 Ethernet port. After connecting the serial devices to the server, then connecting the server to the Ethernet Network, some set up is required to configure the communication between the two networks via a management application built into the Device Server.

Typical Device Server Applications



| Item # | Description | List Price |
|---|--|------------|
| L-com's SC-232 Series of RS232 to RS485 & 485/422 Interface Converters DB9M/DB9F | | |
| L-com's SC-232 series of RS232 to RS485 & RS232 to 485/422 converters provide an array of configuration options to meet your specific application requirements. Datasheets with additional specification details can be found on our website. | | |
| SC-232-A | L-com SC-232 Series RS232 to RS485 Interface Converter, DB9M/DB9F, Half Duplex, Port Powered | 61.14 |
| SC-232-B | L-com SC-232 Series RS232 to RS485 Interface Converter, DB9M/DB9F, Half Duplex, Externally Powered | 71.50 |
| SC-232-C | L-com SC-232 Series RS232 to RS485/422 Interface Converter, DB9M/DB9F, Half/Full Duplex, Port Powered | 61.14 |
| SC-232-D | L-com SC-232 Series RS232 to RS485/422 Interface Converter, DB9M/DB9F, Half/Full Duplex, Ext. Powered, Opto-Isolated | 71.50 |
| SC-232-E | L-com SC-232 Series RS232 to RS485/422 Interface Converter, DB9M/DB9F, Half/Full Duplex, Port Powered, Opto-Isolated | 70.46 |



5V DC Power Supply for SC-232 L-com's Series Interface Converters

| | | |
|-------------|---|------|
| SC-5VDC-PWR | 5VDC Power Supply for SC-232 Series Interface Converter | 5.70 |
|-------------|---|------|

Economy RS232 to Current Loop Converter with 4-Pin Terminal Block

The ICC47B-014 RS232 to current loop serial converter provides users with an economical and compact way to extend RS232 signals using standard twisted pair cabling. The ICC47B-014 features a DB25F input connector and a 4-pin terminal block for the current loop side. The ICC47B-014 supports data rates up to 128Kbps and distances up to 1,000 meters. The unit includes a 9VDC external power supply and a one year manufacturer's warranty.

| | | |
|------------|---|-------|
| ICC47B-014 | Economy RS232 to V.24 Interface Converter with 4-Pin Terminal Block | 43.50 |
|------------|---|-------|



L-com Industrial RS232 to RS422/485 Converter, Din Rail Mountable

L-com's LC-IND232-422-485 serial converter provides a rugged, industrial solution for optically isolated data transmission. Din rail mountable, and powered via a 10-30VDC terminal block, this device is compact and simple to set up.

| | | |
|-------------------|--|--------|
| LC-IND232-422-485 | L-com Din Rail Mountable RS232 to RS422/485 Industrial Converter | 130.00 |
|-------------------|--|--------|



L-com Isolated RS232 to RS422/485 Converter

L-com's RS232 to R422/485 converter is a flexible tool for industrial communications. Providing 2000VAC isolation, easily switchable modes, and accepting between 10-48 VDC to power the device, this converter can be easily inserted into most existing setups.

| | | |
|-----------------|---|--------|
| LC-232I-422-485 | L-com Isolated RS232 to RS422/485 Converter | 109.00 |
|-----------------|---|--------|



L-com Port Powered RS232 to RS485/422 Converter

The LC-232SW-422-485 serial converter is a flexible, easy to use device that can be powered directly from the RS232 connector. Four switches on the top of the device allow you to switch between the different modes quickly, and an external 12VDC power supply can be used for high power or long distance applications.

| | | |
|------------------|--|-------|
| LC-232SW-422-485 | L-com RS232 to RS422/485 Converter, Port Powered, or Externally Powered via 12VDC Jack | 72.00 |
|------------------|--|-------|



L-com RS422/485 Isolated Line Repeater, Din Rail Mountable

L-com's LC-IND422-485-IRPT RS422/485 repeater is a rugged, compact extender that can easily be mounted on a standard DIN rail. This extender is optically isolated up to 2000V with 600W surge suppression, and can extend an existing RS422 or 485 network up to 4000 additional feet.

| | | |
|--------------------|---|--------|
| LC-IND422-485-IRPT | L-com Din Rail Mountable RS422/485 Isolated Line Repeater | 210.00 |
|--------------------|---|--------|



L-com Isolated RS232 Repeater, Din Rail Mountable

L-com's LC-IND232-IRPT isolated repeater is a simple, drop in way to extend RS232 signals as well as protecting attached equipment. This device provides 2000V of optical isolation, mounts easily to a standard DIN rail, and accepts 10-30VDC of external power.

| | | |
|----------------|--|--------|
| LC-IND232-IRPT | L-com Din Rail Mountable RS232 Isolated Repeater | 165.00 |
|----------------|--|--------|



L-com Isolated RS485/422 Repeater

L-com's LC-IND422-485-IRPT RS422/485 repeater is a rugged, compact extender, and comes with an external 12VDC power supply. This extender is optically isolated up to 2000V with 600W surge suppression, and can extend an existing RS422 or 485 network up to 4000 additional feet.

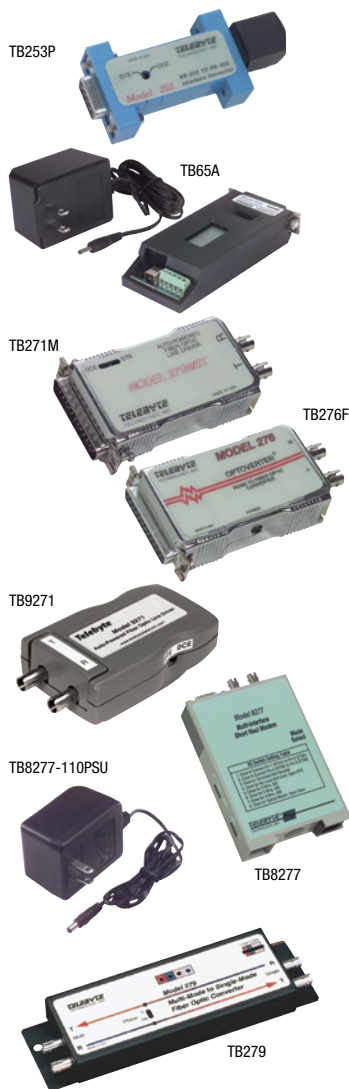
| | | |
|----------------|--|--------|
| LC-IND485-IRPT | L-com RS422/485 Isolated Line Repeater | 210.00 |
|----------------|--|--------|



Tip What are ground loops?

Ground currents or loops are caused when two or more electrical devices are tied together via copper cabling and the equipment has different ground potentials. This combination can cause difficulty in data transmission, can damage equipment and in extreme cases cause bodily harm in medical applications.

The simplest way to protect ground currents is to tie all the equipment in question to a common ground (preferably earth ground). In many applications this is not physically possible due to the distance between equipment. The next simplest way to solve this problem is by installing an optical link in between the copper cabling connecting the equipment. This can be done with an Opto-Isolation Module which converts the electrical data signals to light then back to electrical signals. The last way to solve the problem is to not use copper cabling at all, but to use fiber optic connections between equipment. The biggest advantage here is that the ground current problem is solved and operating distance can be greatly increased.



GFN-EXT-RS232



CVTR-I-7530

| Item # | Description | List Price |
|--------|-------------|------------|
|--------|-------------|------------|

Telebyte RS232 to RS422 Serial Converter - Self-powered DB9 Connector

Adding an RS422 interface to a PC is now a snap. The TB253P serial converter does this for full duplex signals at data rates up to 19.2 KBPS, without AC or DC power. The unit features a DB9F connector, (allowing it to be plugged directly into any one of the PCs com ports) and an RJ11 (6x4) jack.

| | | |
|--------|--|-------|
| TB253P | Telebyte RS232 to RS422 Serial Converter, DB9F, Self-powered | 79.00 |
|--------|--|-------|

Telebyte RS232 to Current Loop Converter

The TB65A is a small, versatile, RS232 to current loop converter for use with teletypes or computers providing local terminal input via a 20mA (or 60mA) current loop. The TB65A includes a wall-mounted transformer and internal power supply circuitry. Additionally the TB65A provides switch selection of all RS232 operating modes including: Half Duplex - Passive Loop, Half Duplex - Active Loop, Full Duplex - Passive Loop, and Full Duplex - Active Loop. This product will drive 20mA and accept 20mA or 60mA loop currents and operates from DC to 9.6 KBPS.

| | | |
|-------|--|--------|
| TB65A | Telebyte RS232 to Current Loop Converter (Includes Power Supply) | 129.00 |
|-------|--|--------|

Telebyte RS232 Fiber Optic Line Drivers

The TB271 series of RS232 fiber optic line drivers provides maximum protection from ground currents and noise interference between equipment as well as increases operating distances to up to 2km. Three versions are available, supporting RS232 serial interfaces. The TB271 series achieves power from the transmit data line, whereas, the TB271A series has an external power supply (included). DB25M and DB25F versions available. Fiber optic connection utilizes dual ST connectors and duplex 62.5/125 multimode cabling.

| | | |
|---------|---|--------|
| TB271M | Telebyte RS232 Fiber Line Driver, DB25M, Self Powered | 158.00 |
| TB271F | Telebyte RS232 Fiber Line Driver, DB25F, Self Powered | 158.00 |
| TB271AF | Telebyte RS232 Fiber Line Driver, DB25F, Externally Powered | 168.00 |

Telebyte RS422 and RS485 Fiber Optic Line Drivers

Similar to the TB271 series except designed for RS422 and RS485. Both units utilize DB25F and dual fiber ST ports. For use with duplex Multimode Fiber Optic cabling.

| | | |
|--------|---|--------|
| TB272F | Telebyte RS422 Fiber Line Driver, DB25F, Externally Powered | 168.00 |
| TB276F | Telebyte RS485 Fiber Line Driver, DB25F, Externally Powered | 168.00 |

Telebyte RS232 Fiber Optic Line Driver - Auto Powered

The TB9271 RS232 fiber optic auto powered line driver features a standard DB9 female interface and Dual ST style fiber connectors. It can be installed in applications requiring very high data transmission rates, offers resistance to Electromagnetic Interference (EMI) and isolation from lightning-induced current surges and ground loops. The unit employs an RS232 data interface, can achieve 56Kbps asynchronously and operates in either half or full duplex modes over dual fibers up to 2km in length.

| | | |
|--------|---|--------|
| TB9271 | Telebyte RS232 Fiber Optic Auto Powered Line Driver | 168.00 |
|--------|---|--------|

Telebyte RS232, RS422 or RS485 Fiber Optic Modem - DIN Rail Mountable

The model TB8277 is a unique asynchronous fiber optic modem whose optical interface can operate in either point to point or ring (daisy chain) configurations and whose electrical interface can also operate in point to point or multi-drop configurations depending on the user selected interface. The electrical interface is switch selectable between RS232, RS422 and RS485. The TB8277 is supplied with a power cord for the DC input. An optional AC power adapter is available for installations where 12 VDC is not accessible.

| | | |
|---------------|--|--------|
| TB8277 | Telebyte DIN Rail Fiber Optic Media | 285.00 |
| TB8277-110PSU | Telebyte Optional 110 VAC Power Supply | 16.00 |

Telebyte Single mode to Multimode Fiber Converter

The TB279 provides transparent conversion between fiber optic devices utilizing multimode fiber and those with single mode fiber. Features of the TB279 include the ability to operate from DC to 2.5 Mbps. This allows a variety of applications to take advantage of the transmission capability of the device and fiber cable. The TB279 is powered by a wall-mounted 12 VDC adapter.

| | | |
|-------|---|--------|
| TB279 | Telebyte Single mode to Multimode Converter | 798.00 |
|-------|---|--------|

Gefen RS-232 Cat5 Extender

The Gefen the RS-232 Extender extends your RS-232 device up to 1,000 feet away from your computer using standard Cat5 networking cable! The GFN-RS232 ships with a local and remote unit which are connected via standard Cat5/5E UTP cable. Both the local and remote units provide one DB9 RS232 port. The RS-232 sender unit, which connects to the local PC, is powered by a 5-volt power supply, which also powers the receiver side. The GFN-RS232 is compliant with the RS-232C standard and includes a six-foot serial cable and 5VDC external power supply. Includes a 1-year manufacturers warranty.

| | | |
|---------------|----------------------------|--------|
| GFN-EXT-RS232 | Gefen RS-232 Cat5 Extender | 113.98 |
|---------------|----------------------------|--------|

ICP DAS USB to RS232/422/485 Converter

The CVTR-I-7561 is a rugged yet cost-effective module that is used for transferring serial data over USB. This converter allows you to connect your serial devices to systems using a USB interface such as a PC. The CVTR-I-7561 contains a self tuner chip, which auto-tunes the baud rate and data format to the RS485 network. CVTR-I-7561 module derives its power from the USB port and does not require an external power supply. This versatile converter also features a high-speed 115.2 Kb/s transmission rate, and supports a multitude of 0.S. independent RS232/422/485 Ports. **As an authorized ICP DAS reseller, we can bid on RFQs for any ICP DAS part numbers. Contact us to request a non-obligatory quote.**

| | | |
|-------------|--|--------|
| CVTR-I-7561 | ICP DAS USB to RS232/422/485 Converter | 129.53 |
|-------------|--|--------|

ICP DAS RS232 to RS485 Protocol Converter

The CVTR-I-7520 seamlessly converts the RS232 protocol to RS485 all in one rugged, economical package. Features include auto switching baud rate of 300~115,200 BPS and a self tuner chip, which auto-tunes the baud rate and data format to the RS485 network. This converter also supports 256 modules max. in one RS485 network without repeater and 2,048 modules max. in one RS485 network with a repeater. Power supply sold separately. **As an authorized ICP DAS reseller, we can bid on RFQs for any ICP DAS part numbers. Contact us to request a non-obligatory quote.**

| | | |
|-------------|---|-------|
| CVTR-I-7520 | ICP DAS RS232 to RS485 Protocol Converter | 88.08 |
|-------------|---|-------|

ICP DAS RS232 to CAN Protocol Converter

The CVTR-I-7530 offers an economical yet rugged solution for converting RS232 to CAN protocol. Features include maximum transmission speeds up to 1Mbps for CAN and 115.2Kbps for RS232 as well as support for both CAN 2.0A and CAN 2.0B standards. This converter can be easily mounted on a DIN rail and features DB9 connectors. Power supply sold separately. **As an authorized ICP DAS reseller, we can bid on RFQs for any ICP DAS part numbers. Contact us to request a non-obligatory quote.**

| | | |
|-------------|---|--------|
| CVTR-I-7530 | ICP DAS RS232 to CAN Protocol Converter | 305.68 |
|-------------|---|--------|

| Item # | Description | List Price |
|--|-------------------------------|------------|
| RS232/422/485 Fiber Modem | | |
| The FRM220-Serial/485 provides a fiber converter solution to extend asynchronous RS485 or RS232 transmission distance up to 2km over multimode fiber or up to 120km over single mode fiber. The converter is equipped with multiple interface circuits for connection to RS232 or RS485/422 (2 or 4 wire, full or half duplex). The FRM220-Serial secures data transmission over EMI resistant fiber at speeds up to 460kbps for RS232 or up to 1024kbps for RS485/422. When the FRM220-Serial/485 card is placed in the FRM220 rack with SNMP management, in-band management allows viewing the card and remote converter's status, type, version, fiber link status, data link status and alarms. Both card and remote can be configured to enable or disable the port, reset the port and set the interface type. | | |
| FRM220-SERIAL-ST002 | RS232/423/422/485 Fiber Modem | 259.03 |



FRM220-SERIAL-ST002

Passport Networks ESport RS232/422/485 to Ethernet Device Servers

The ESport-10x Ethernet device servers connect RS232/422/485 serial devices to a 10/100 Ethernet LAN/WAN providing a reliable communications connection. The ESport-10x Windows driver installs virtual COM ports in the device manager of the operating system. The ESP101 features one RS232/422/485 DB9M port and one RJ45 10/100Ethernet port. The ESP102 features a single RJ45 10/100 Ethernet port and two DB9M ports, one port supports RS232/422/485 and the other only supports RS232. The ESP104 ships with its own external power supply (do not use the ESP-PWR power supply with the ESP104). These products can be powered by an external DC power supply or by an optional 9 VDC power adapter. An optional DIN Rail mounting kit is sold separately. Includes a 1-year manufacturer's warranty. **As an authorized Passport Networks reseller, we can bid on RFQs for any Passport Networks part numbers. Contact us to request a non-obligatory quote.**

| | | |
|--------|--|--------|
| ESP101 | Passport Networks Single Port DB9 RS232/422/485 to RJ45 10/100 Device Server | 129.53 |
| ESP102 | Passport Networks Dual Port DB9 RS232/422/485 to RJ45 10/100 Device Server | 175.12 |
| ESP104 | Passport Networks Four Port DB9 RS232/422/485 to RJ45 10/100 Device Server | 430.02 |



ESP102

| | | |
|---------|---|-------|
| ESP-PWR | Passport Networks 9 VDC 500mA Power Adapter | 10.36 |
|---------|---|-------|

| | | |
|--------|---|------|
| DK-35A | Passport Networks DIN Rail Mounting Kit (35 mm) | 5.18 |
|--------|---|------|



ESP-PWR

LAVA Ethernet-to-Serial 4 Port Device Server

The ES4-232 is ideal for POS systems, security systems, industrial automation, building automation, or any application using RS232 devices. The Lava ES4-232, four-port RS232 device server, provides four serial ports that are network-enabled, simple to install, configure and control. Any serial device can send its information to the ES4-232, which then places that information on the Ethernet network. The serial ports support 115.2 kbps throughput rates each. Additionally, each ES4-232 Includes Lava Ether Link Manager software that makes this the easiest device in its category to install and use. By utilizing the ES4-232 one PC is capable of managing hundreds of serial ports, even remotely. **As an authorized LAVA reseller, we can bid on RFQs for any LAVA part numbers. Contact us to request a non-obligatory quote.**

| | | |
|---------|--|--------|
| ES4-232 | LAVA Ethernet-to-Serial 4 Port Device Server | 278.74 |
|---------|--|--------|



ES4-232

ICP DAS Remote Ethernet I/O Modules

The ICP DAS ET-7000 are remote web-based Ethernet I/O modules that feature a built-in web server. It allows configuration, I/O monitoring and I/O control through a regular web browser. Remote control is as easy as surfing the Internet. No more programming or HTML skills are needed; users can create dynamic and attractive web pages for I/O monitoring and I/O control. They support Modbus/TCP protocol for seamless integration to SCADA software. The ET-7000 series offers easy and safe access for users anytime and anywhere. **As an authorized ICP DAS reseller, we can bid on RFQs for any ICP DAS part numbers. Contact us to request a non-obligatory quote.**

| | | |
|-------------|--|--------|
| ICP-ET-7017 | ICP DAS 8-Channel Analog Input with High Voltage Protection and 4-Channel Isolated Output Module | 326.40 |
| ICP-ET-7026 | ICP DAS 6-Channel Analog Input, 2 Ch Analog Output, 2 Ch Digital Input and 2 Ch Digital Output Ethernet I/O Module | 471.47 |
| ICP-ET-7067 | ICP DAS 8-Channel Power Relay Output Module | 267.34 |



ICP-ET-7026

ICP DAS Power over Ethernet I/O Modules

The PET-7000 series is a family of Internet/Ethernet data acquisition and control modules that support Modbus TCP protocols. They are Ethernet remote I/O with a built-in web server for configuration, I/O data monitoring and control via a regular web browser. **As an authorized ICP DAS reseller, we can bid on RFQs for any ICP DAS part numbers. Contact us to request a non-obligatory quote.**

| | | |
|-----------------|---|--------|
| ICP-PET-7005 | ICP DAS 8-Channel Thermistor Input and 4-Channel Isolated Digital Output PoE Module | 487.01 |
| ICP-PET-7017-10 | ICP DAS 10/20-Channel Analog Input Module with High Voltage Protection PoE Module | 440.38 |
| ICP-PET-7018Z | ICP DAS 10-Channel Thermocouple Input With High Voltage Protection and 6-Channel Isolated Digital Output PoE Module | 557.48 |



ICP-PET-7018Z

ICP DAS TouchPad Controller

TouchPAD are a series of tiny touch screen controller HMI which are designed for building and home automation. The TPD-430 is equipped with a high resolution 4.3 inch TFT color touch screen and fits in regular electrical wall-mount outlets. It can be easily integrated with I/O modules and have a beautiful, flexible user defined picture display. An ideal choice for upgrading mechanical switches to intelligent control pads. TouchPAD comes with Ladder Designer software for PLC users and a C/C++ language development environment for programmers. You can quickly and easily develop your programs with the development tools provided. **As an authorized ICP DAS reseller, we can bid on RFQs for any ICP DAS part numbers. Contact us to request a non-obligatory quote.**

| | | |
|-------------|--|--------|
| ICP-TPD-430 | ICP DAS 4.3" Touch Screen PLC Controller with High Resolution TFT Color Touch Screen (RS485) | 422.77 |
|-------------|--|--------|



ICP-TPD-430



Test Equipment Tutorial

Cable and Network Test Equipment is vital to the uptime of any datacom system. Reports have shown that up to 70% of network downtime can be traced to the physical layer or a cable. By implementing basic go-no-go cable testers as well as more advanced network test and troubleshooting tools, network downtime can be greatly reduced. L-com offers testers for coax, Cat5e (or better), fiber optic, and RJ11/12 cabling and power. Additionally we offer environmental testers to measure light, sound and temperature.

Network Cable Testing Terms

NEXT: Near End Cross Talk. A signal that crosses between twisted pairs or between conductors. NEXT is measured at the transmission end (near end). Measured in dB, failures for this measurement are often caused by termination problems.

FEXT: Far End Cross Talk. Crosstalk that is measured on the conductors that are not being used for transmission at the receiver or far end of the transmission. Measured in dB, failures for this measurement are often caused by termination problems.

Propagation Delay Skew: Used to define the difference in signal speed between the fastest and slowest pair within a cable. It can also define the delay within an individual pair. Must be <45ns for a 4-pair horizontal cable.

Impedance: Measure of the total opposition a circuit offers to the flow of alternating current. Target impedance for UTP and STP cable is 100 Ohms. This can be affected by the twist of the conductors along with the thickness of the insulation around the

conductors. Return loss failures are often caused by cable impedance problems.

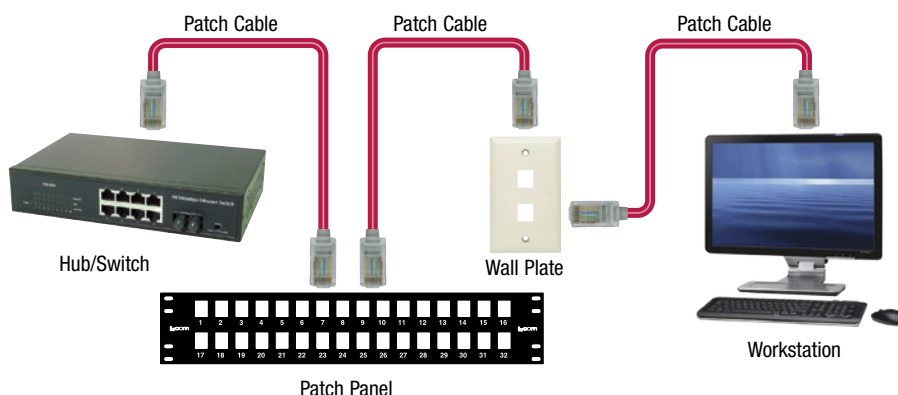
Return Loss: The ratio of reflected power to inserted power. It is the measure of the signal reflections occurring along a network cable system. It is often caused by imperfections in the cable conductors, impedance mismatches or bad contacts in a plug or jack.

Network Channel Testing

Network Channel Testing is a method used to verify performance from the workstation to the hub/switch including patch cords. Channel Testing is not accurate for individual patch cords. Both installers and IT professionals conduct this type of testing to insure that the entire cable system is capable of handling network traffic. Channel Testing differs from Permanent Link Testing in that it includes the patch cords on both ends of the installation. Often, patch cords are overlooked as the cause of network failures.

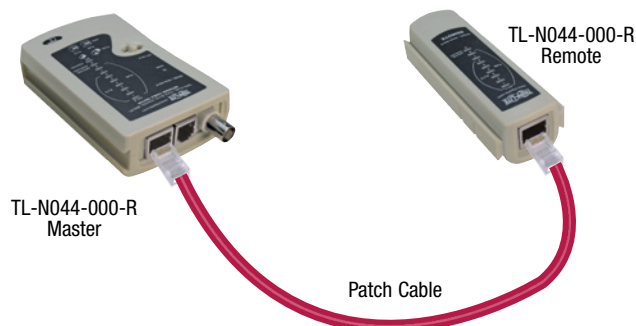
Permanent Link Testing

Permanent Link Testing is the preferred method used by installers to certify a cable installation at a customer site. This type of testing verifies the installation by measuring many factors such as cable lengths, NEXT, FEXT and Return Loss. Several certification testers exist on the market including Fluke Networks DTX-1800 series products. This type of tester features a Permanent Link adapter that connects from a workstation outlet to the telecom closet outlet.



Continuity Testing

Continuity Testing is the most basic form of testing conducted on cables. These types of testers look for opens, shorts or crossed connections. For Ethernet, this type of testing does not confirm network transmission capability. The most common mistake in cable pin-out is an EIA568 A to B cross. A simple continuity tester such as the TL-N044-000-R, can easily find this error without the expense of a certification tester.

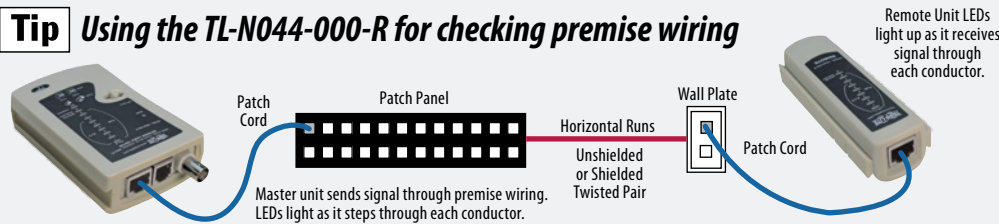


Wire Mapping/LAN and Cable Testing

If you require more than just a standard continuity test you might consider a Wire Mapping tester like the AEMC-CA7028. With a tester like this you would get a more detailed report of how your cable is wired/paired. All faults and setting info is displayed textually as well as graphically. But beyond that with TDR technology it can determine if the fault lies at the near end or remote end of the cable or if it is somewhere in between. It can even indicate the distance to the fault as well as determine the length of the cable or cable run being tested.



Tip Using the TL-N044-000-R for checking premise wiring



TL-N044-000-R

Carrying Case for TL-N044-000-R

| Item # | Description | List Price |
|---------------|---|------------|
| TL-N044-000-R | Tripp Lite Multi-Function Network/Phone/Coax Cable Tester | 54.98 |

Tripp Lite Multi-Function Network/Phone/Coax Cable Tester

Tripp Lite's Multi-Function Network Cable Tester allows you to test wiring continuity for Cat5/5e, Cat6, RJ11/12 telephone cord sets as well as 10Base2, RF and CATV coax cable assemblies. It can help identify miswired terminations, shorts and open circuits. It features a two piece design, a main unit and a remote unit. The remote unit is designed to slide onto the side of the main unit but can be removed when testing premise cabling where the two ends of the cable being tested are not close by. The main unit features (1) Shielded RJ45 (8x8) Jack, (1) Shielded RJ11/12 (6x6) Jack and (1) Female BNC. The remote unit features (1) Shielded RJ45 (8x8) Jack on one side of the unit and (1) Shielded RJ11/12 (6x6) Jack on the other. The tester also comes with (1) BNC Terminator with a green LED on the end to test BNC coax assemblies. The kit also includes (2) BNC Male to F-Type Female adapters to allow for the testing of RG59/RG6 CATV Coax. A Storage pouch is provided for safe storage of the tester and accessories when not in use. Power supplied by 9V battery (not included). Comes with a Tripp Lite Lifetime Warranty. **As an authorized Tripp Lite reseller we can bid on RFQs for any Tripp Lite part numbers. Contact us to request a non-obligatory quote.**

Pyle 13 Plug Pro Audio Cable Tester

The Pyle PCT40 gives you a simple and easy way to make sure your audio cables are working properly. The unit supports nearly all cable types used in the sound recording industry, providing you with an all-in-one solution to help identify cable continuity issues in your audio set-up. Supports 13 interface types that include USB Type A, TRS Jacks (which can also be used for testing TS), 3 and 5 Pin XLR, Speakon, RCA, RJ45 and more (see chart below for full listing). The Tester features a simple intuitive design, whereby you plug in both ends of the cable you are testing and you turn the selector knob to the different numbered setting to check each conductor individually (tester checks up to 8 conductors). Each numbered setting features two LEDs, one checks the continuity of the conductor the other verifies the ground. Power supplied by 9V battery (not included).

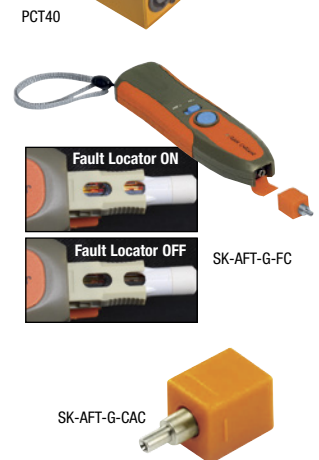
| Supports the following connector interfaces: | |
|--|---|
| • 8 Pin Speakon (speaker twist connector) | • 3 Pin Din |
| • USB Type A | • 5 Pin Din |
| • RJ45 | • 7 Pin Din |
| • Banana Plug | • 8 Pin Din |
| • 1/4" (6.3mm) TRS | • 5 Pin XLR |
| • RCA Phono | • 3 Pin XLR |
| | • 4 Pin Speakon (speaker twist connector) |

| | | |
|-------|-------------------------------------|-------|
| PCT40 | Pyle 13 Plug Pro Audio Cable Tester | 48.00 |
|-------|-------------------------------------|-------|

Senko Fiber Visual Fault Locator

The Senko AFT-G-FC Fiber Visual Fault Locator features a robust and handy design. It emits a 650nm visible red light in either continuous or pulse mode to allow for the quick inspection of fiber assemblies to confirm light path. Can also be used to visually trace fiber optic cable runs within a building.

| | | |
|--------------|--|--------|
| SK-AFT-G-FC | Senko Fiber Visual Fault Locator with Universal 2.5mm Connection | 124.32 |
| SK-AFT-G-CAC | Senko Universal 2.5mm to 1.25mm Adapter for Fiber Visual Fault Locator | 36.25 |



SK-AFT-G-CAC

PLANET IEEE 802.3af/at Power over Ethernet (PoE) Tester

PLANET's POE-TESTER is an easy to use PoE diagnostic adapter for network installers, company MIS and even home users to quickly identify the existence of Power over Ethernet on their network. It is designed to detect if IEEE 802.3af/at PoE voltage is running over your UTP cable, and you can use a short patch cord to test PoE ports on devices directly. The POE-TESTER has two simple LEDs one orange & one green that light up to identify 3 different possible PoE states, Mid-span 802.3af/at, End-span 802.3af/at as well as detecting a 4-pair 60-Watt PoE Injector. **As an authorized PLANET reseller we can bid on RFQs for any PLANET part numbers. Contact us to request a non-obligatory quote.**

| | | |
|------------|---|-------|
| POE-TESTER | PLANET IEEE 802.3af/at Power over Ethernet Tester | 21.38 |
|------------|---|-------|



POE-TESTER

PD-AFAT-TESTER

Microsemi PowerDsine Deluxe IEEE 802.3af/at Power over Ethernet (PoE) Tester

Microsemi's PD-AFAT-TESTER is a compact designed tester specifically tailored for system integrators and installers. The plug and play design makes it simple to use. The PD-AFAT-TESTER has two bi-color LEDs allowing it to display up to 6 possible PoE states which identifies the type of Power Sourcing Equipment Endspan (Data) or Midspan (Spare) on your network with the 2-pair states indicating 30W and the 4-pairs 60W.

- 802.3af (Over Spare)
- 802.3af (Over Data)
- 802.3at (Over Spare)
- 802.3at (Over Data)
- 802.3af (4 Pairs)
- 802.3at (4 Pairs)

| | | |
|----------------|--|-------|
| PD-AFAT-TESTER | Microsemi PowerDsine Deluxe IEEE 802.3af/at PoE Tester | 31.06 |
|----------------|--|-------|



PTNX1

PTNX2



PTNX2-CABLE



PTNX8-CT



EC-LMTJ



AEMC-CA811



AEMC-CA832



AEMC-CA879

| Item # | Description | List Price |
|--------|-------------------------|------------|
| PTNX1 | Fluke Pocket Toner® NX1 | 34.19 |

Fluke Pocket Toner® NX1

Test for continuity and short circuits on coaxial cables in one easy step. Basic professional testing does not get any more compact and simple as PTNX1. This tool features lightweight aluminum construction, standard AAA battery, and new dual buzzers that audibly indicate continuity at both ends of the test cable. Like all Pocket Toner® NX test tools, the PTNX1 is 100% low voltage protected so connecting it to live low voltage systems will not damage the tool. **As an authorized Fluke reseller, we can bid on RFQs for any Fluke part numbers. Contact us to request a non-obligatory quote.**

| | | |
|-------|------------------------|-------|
| PTNX2 | Fluke Pocket Toner NX2 | 44.56 |
|-------|------------------------|-------|

Fluke Pocket Toner® NX2

The individual PTNX2 is for the technician that works primarily with coaxial cable that wants a powerful but super-compact tool to fit in his or her pocket. In addition to testing for continuity and short circuits PTNX2 is packed with advanced features like indication of AC or DC voltage, 50-75 Ohm terminators and auto shut-off to conserve battery life. PTNX2 instantly displays all test results on an easy to read 8-segment LED display as well as giving audible feedback at both ends of the test cable. Like all Pocket Toner® NX test tools, the NX2 is 100% low voltage protected so connecting it to live low voltage systems will not damage the tool. **As an authorized Fluke reseller, we can bid on RFQs for any Fluke part numbers. Contact us to request a non-obligatory quote.**

Fluke Pocket Toner® Cable Test Kits

Fluke PTNX series coax toners are unquestionably the ideal primary devices for testing the installation of coax cable. Test for continuity and short circuits on coaxial cables in one easy step. Basic professional coaxial testing does not get any more compact and simple as Fluke PTNX series. Fluke offers a wide variety of test kits to choose from. For detailed information on each kit, please refer to L-com.com. **As an authorized Fluke reseller, we can bid on RFQs for any Fluke part numbers. Contact us to request a non-obligatory quote.**

| | | |
|--------------|------------------------------------|--------|
| PTNX2-CABLE | Fluke PTNX2 Cable Test Kit | 56.99 |
| PTNX2-DLX | Fluke PTNX2 Deluxe Test Kit | 107.98 |
| PTNX8-CABLE | Fluke PTNX8 Cable Test Kit | 92.22 |
| PTNX8-DLX | Fluke PTNX8 Deluxe Test Kit | 127.45 |
| PTNX8-CT | Fluke Cable and Telephone Test Kit | 106.73 |
| PTNX8-VV-PRO | Fluke Voice/Video Test Kit | 148.18 |

Inline Tester, RJ12 (6x6) M-F with Test LEDs and Contact Points

Use with 2 or 3 pair, RJ11/12 lines. Copper contacts have an angled edge to prevent alligator clips from falling off. Wire color coded for easy identification. Three 2-color LEDs identify activity. Complete with modular jack on the end.

| | | |
|---------|------------------------------|-------|
| EC-LMTJ | Test Adapter, 3 Pair Modular | 10.31 |
|---------|------------------------------|-------|

| Item # | Description | List Price |
|--------|-------------|------------|
|--------|-------------|------------|

ENVIRONMENTAL TESTERS

AEMC CA811 Lightmeter (20fc, 200fc, 2kfc, 20kfc) (20lux, 200lux, 2klux, 20klux)

The model CA811 Lightmeter is a portable, easy-to-use instrument which features optical sensors that are designed to match the response of the human eye, making them ideal instruments for workspace analysis and planning. The ergonomically designed case, large display and intuitive function selection make this instrument the right choice for any application. The Lightmeter model CA811 is designed for simple one-hand operation. It provides selectable lux or foot candle units for display and features a 3-1/2 digit backlit LCD and HOLD function. The model CA811 offers a MAX function. One 9V Alkaline battery is included. **As an authorized AEMC reseller, we can bid on RFQs for any AEMC part numbers. Contact us to request a non-obligatory quote.**

| | | |
|------------|---|--------|
| AEMC-CA811 | AEMC Model CA811 Lightmeter (20fc, 200fc, 2kfc, 20kfc) (20lux, 200lux, 2klux, 20klux) | 123.31 |
|------------|---|--------|

AEMC CA832 Sound Level Meter (35db to 80dB) (50db to 100dB) (80db to 130dB)

The model CA832 Sound Level Meter is designed to assess sound ambiances or nuisances in accordance with international safety and quality standards. It complies with standard IEC 651. It is a portable, compact instrument with a 2000-count backlit LCD. It is designed for simple, one-hand operation and may be fitted on a tripod for long duration measurements. It features two weighting curves A and C for measurement integrating the sensitivity of the human ear according to sound frequency. Curve A is the general-purpose curve in an industrial environment and C is more suited in presence of low frequency sounds. Also, mode "F" (fast response time) corresponds to the response time of the ear. Mode "S" (slow response time) will be used to obtain a uniform reading when the sound signal level shows fluctuations. One 9V Alkaline battery is included. **As an authorized AEMC reseller, we can bid on RFQs for any AEMC part numbers. Contact us to request a non-obligatory quote.**

| | | |
|------------|---|--------|
| AEMC-CA832 | AEMC Model CA832 Sound Level Meter (35db to 80dB), (50db to 100dB), (80db to 130dB) | 206.20 |
|------------|---|--------|

AEMC CA879 Infrared Thermometer (-58°F to +1,022°F) (-50°C to +550°C)

The model CA879 Infrared Thermometer is a non-contact temperature measuring instrument. It provides precision measurement with its laser target feature. To measure the temperature of an object, simply point the gun at the surface of the object and the temperature will appear on the digital display. The thermometer has an automatic shut-off feature. Shut-off will occur approximately 10 seconds after the trigger is released. One 9V Alkaline battery is included. **As an authorized AEMC reseller, we can bid on RFQs for any AEMC part numbers. Contact us to request a non-obligatory quote.**

| | | |
|------------|---|--------|
| AEMC-CA879 | AEMC Model CA879 Infrared Thermometer (-58°F to +1,022°F) (-50°C to +550°C) | 154.39 |
|------------|---|--------|

| Item # | Description | List Price |
|---|------------------------------------|------------|
| AEMC CA7024 TDR Fault Mapper | | |
| The model CA7024 Fault Mapper is a hand-held, alpha-numeric, TDR (Time Domain Reflectometer) cable length meter and fault locator, designed to measure the length of electrical and communication cables. It can indicate the distance to a fault in the cable (open or short), given access to only one end of a two or more conductor cable. By incorporating fast-edge step TDR technology, the CA7024 measures cable length and indicates the distance to open or short circuit faults to a range of 6000ft (2000m), on virtually any type of cable. The CA7024 indicates the cable length or fault distance and description alpha-numerically on a 128 x 64 graphical LCD. Includes soft carrying case, BNC pigtail cable with alligator clips, four 1.5V AA batteries and user manual. As an authorized AEMC reseller, we can bid on RFQs for any AEMC part numbers. Contact us to request a non-obligatory quote. | | |
| AEMC-CA7024 | AEMC Model CA7024 TDR Fault Mapper | 544.00 |

AEMC CA7027 Fault Mapper Pro® Telephone Cable Tester/Graphical TDR

The model CA7027 Fault Mapper Pro® is a hand-held graphical TDR (Time Domain Reflectometer) designed for identifying and locating faults on power and communication cables, given access to one end only. The Fault Mapper Pro® measures cable length and indicates the length and distance to cable faults to a range of 9ft (3m) to 19,000ft (6000m) on virtually any type of cable. It injects a series of pulses into the cable under test. The velocity at which the pulses travel is determined by the type of cable, which is known as the Velocity of Propagation (Vp) of the cable. The Velocity of Propagation (Vp) is adjustable between 1% and 99% enabling accurate calibration to the cable under test. The Vp value is expressed as a percentage of the speed of light (e.g. 67% or ft/mtrs/micro-second), this value will vary according to the type of cable under test. The Fault Mapper Pro® can accept user selectable values between 1 and 99% (or the equivalent value in feet or meters per micro-second). Based on the selected Vp and the time taken for the pulses to travel through the cable, a reflection profile of the cable under test is displayed. An adjustable cursor assists in locating faults and termination. The Fault Mapper Pro® incorporates an oscillating tone tracer, which is detectable with a standard tone tracer, for use in the tracing and identification of cable pairs. **As an authorized AEMC reseller, we can bid on RFQs for any AEMC part numbers. Contact us to request a non-obligatory quote.**

| | | |
|-------------|---|---------|
| AEMC-CA7027 | AEMC Model CA7027 Fault Mapper Pro (Telephone Cable Tester/Graphical TDR) | 1031.02 |
|-------------|---|---------|

AEMC CA7028 Wire Mapper Pro LAN Cable Tester

The model CA7028 Wire Mapper Pro is a hand-held structured cable mapping and troubleshooting tester designed for use on UTP, STP, FTP and SSTP cabling equipped with RJ45 connectors and wired to either TIA568A/B (ISO 11801 and EN 50137), USOC or ISDN specifications. It detects open circuit pairs, shorts, crossed wires, crossed pairs, reversed pairs, split pairs and shield faults. The CA7028 has the ability to measure and indicate the length of the cable under test, using a Vp (Velocity of Propagation) set by the user, from a built-in library or manually. It will measure and report the length of all four pairs of wires in the cable under test. It also generates an audible tone that is transmitted into all four pairs on the cable under test. Includes soft carrying case, remote ID (#1), two patch cords, four 1.5V AA batteries and user manual. **As an authorized AEMC reseller, we can bid on RFQs for any AEMC part numbers. Contact us to request a non-obligatory quote.**

| | | |
|-------------|--|--------|
| AEMC-CA7028 | AEMC Model CA7028 Wire Mapper Pro LAN Cable Tester | 544.00 |
|-------------|--|--------|

AEMC 5233 5000/6000 - Count Digital Multimeters

The model 5233 is a rugged, economical TRMS digital multimeter with a function for non-electrical contact testing (NCV) for detecting live electrical circuits. This multimeter is designed for safety: IEC61010, 600V CAT IV. The multimeter model 5233 provides a Volt, Ohm, Continuity, Diode, Capacitance, Frequency, Duty Cycle and Ammeter function, as well as an AC voltmeter with low input impedance capable of finding ghost voltages by adding a burden to the circuit. It can measure up to 10 Amps directly and can measure temperature in both °C or °F using K-type thermocouples. **As an authorized AEMC reseller, we can bid on RFQs for any AEMC part numbers. Contact us to request a non-obligatory quote.**

| | | |
|-----------|--|--------|
| AEMC-5233 | AEMC Model 5233 Digital Multimeter (TRMS, 6000-cts, V, A, AC/DC, CAP, Ohm, T, NCV) | 102.58 |
|-----------|--|--------|

AEMC 503 Clamp on Meter

The Clamp-on Meter Model 503 is a general-purpose professional clamp-on. A strong mechanical case design, quality materials, full ranges and compliance to international safety and quality standards ensure a professional and reliable tool. The Model 503 is auto-ranging, and provides the user with AC Volts, DC Volts, AC Amperes, DC Amperes, resistance, and continuity. **As an authorized AEMC reseller, we can bid on RFQs for any AEMC part numbers. Contact us to request a non-obligatory quote.**

| | | |
|----------|---|--------|
| AEMC-503 | AEMC Model 503 Clamp-on Meter (AC/DC, 400AAC/DC, 600VAC/DC, Ohms, Continuity) | 154.98 |
|----------|---|--------|

AEMC AX502 DC Power Supplies/Generators

The model AX502 offers dual 30V outputs. It provides the ability to display both voltage and current for each output. The model AX502 offers a unique master/slave tracking arrangement whereby the ratio between the master and slave can be setup on the fly as needed during the test. Adjusting the master voltage causes the slave to track. Adjusting the slave voltage causes the ratio from master to slave to change accordingly. It offers a coarse and fine voltage adjustment as well as a current limiting adjustment. It is built to provide many years of reliable, precise, easy-to-use operation and will be a welcome addition to any lab, test bench or production line. **As an authorized AEMC reseller, we can bid on RFQs for any AEMC part numbers. Contact us to request a non-obligatory quote.**

| | | |
|------------|--|--------|
| AEMC-AX502 | AEMC Model AX502 DC Power Supply (Dual outputs, 0 to 2.5A; 0 to 30VDC) | 859.01 |
|------------|--|--------|

AEMC NC1 Non-Contact AC Voltage Detector

The model NC1 offers a simple and safe way to detect the presence of live AC current on a line without the need to expose the wiring. For indoor use only. Includes 2 1.5v AAA batteries. **As an authorized AEMC reseller, we can bid on RFQs for any AEMC part numbers. Contact us to request a non-obligatory quote.**

| | | |
|----------|--|-------|
| AEMC-NC1 | AEMC Model NC-1 Non-Contact AC Voltage Detector (100 to 240V AC 50/60Hz) | 10.31 |
|----------|--|-------|

Tripplett AC Outlet Circuit Tester with Diagnostic LEDs

Tripp Lite's instant-read CT120 circuit tester detects wiring stability in standard 120 volt AC wall sockets. Simply plug the circuit tester into a receptacle and view the lighted 3 lamp status display for verification of correct wiring, open ground, open neutral, open hot, hot-ground reversal and hot-neutral reversal fault conditions. Sticker on the tester offers lighting combinations for each wiring condition. Ultra-portable design and easy to read lighted display makes the CT120 an excellent addition to any laptop carrying case, tool belt or workbench. Low cost design saves the expense of hiring an electrician to determine wiring stability.

| | | |
|----------|--|-------|
| TL-CT120 | Tripplett AC Outlet Circuit Tester with Diagnostic LED | 12.98 |
|----------|--|-------|



AEMC-CA7024

AEMC-CA7027



AEMC-CA7028

AEMC-5233



AEMC-503



AEMC-AX502



AEMC-NC1



TL-CT120



FOM120

FOS420



FTK51POF



AF-OLK52N-Q



AF-OLK51N-SM



TBX51MM



FTK51POF

| Item # | Description | List Price |
|--------|-------------|------------|
|--------|-------------|------------|

Advanced Fiber Solutions Fiber Optic Power Meter for Multimode and Single mode Cabling

The FOM120 is a general-purpose power meter suitable for both premise and outside plant applications. This unit is ideal for measurement of optical power and optical loss / attenuations in a fiber optic network. The FOM120 meter is calibrated at the five most common industry standard wavelengths 850nm, 1300nm, 1310nm, 1550nm & 1625nm for both single mode and multimode transmitters. The 1mm InGaAs detector offers a broad dynamic range of ~65dB which far exceeds the requirements of the majority of users.

| | | |
|--------|--|--------|
| FOM120 | Advanced Fiber Solutions Fiber Optic Power Meter for Multimode and Single mode Cabling | 424.98 |
|--------|--|--------|

Advanced Fiber Solutions Fiber Source for 850/1300nm Fiber Optic Cables

The FOS420 light source is for premises and campus cabling networks with multimode fiber, or single mode fibers under 5km. The ST connector outputs can be adapted to any cable plant with hybrid adapters or hybrid cables. The FOS420 becomes a powerful low cost troubleshooting and maintenance tool when used with an Advanced Fiber Solutions FOM120 power meter.

| | | |
|--------|---|--------|
| FOS420 | Advanced Fiber Solutions Fiber Source for 850/1300nm Fiber Optic Cables | 488.00 |
|--------|---|--------|

Advanced Fiber Solutions Plastic Optical Fiber (POF) Test Kit

The Advanced Fiber Solutions POF test kit is the perfect, portable solution for testing plastic and glass optical fiber cables. The FTK51POF includes the OM110N power meter, which is designed for POF (plastic optical fiber) and short wavelength applications (visible and near infrared). It optimizes a silicon detector suitable for large core fibers. It is the ideal tool for working with shorter wavelengths used with glass, plastic or multimode fibers. Additionally, the FTK51POF features the OS417N-MD source which houses a 650nm LED in a modular adapter, which makes it adaptable to any connector style.

| | | |
|----------|--|--------|
| FTK51POF | Advanced Fiber Solutions Fiber Source for 1310/1550nm Fiber Optic Cables | 898.00 |
|----------|--|--------|

Advanced Fiber Solutions Multimode/Single mode Fiber Optic Test Kit

The AF-OLK52N-Q fiber optic test kit allows users to quickly test multimode and single mode fiber cabling. The kit features a power meter and two light sources in a convenient carry case. The power meter supports 850/1300/1310/1490/1550/1625nm light sources and features snap on ST, FC and SC connections. The single mode laser source features the same snap on 3 connector interface as the power meter, while the multimode light source uses an ST connector. The multimode LED source provides 850/1300nm signal and the single mode Laser source provides 1310/1550nm signal. The InGaAs detector in the power meter offers a broad dynamic range of ~60dB which far exceeds the requirements of the majority of users.

| | | |
|-------------|---|---------|
| AF-OLK52N-Q | Advanced Fiber Solutions Multimode/Single mode Fiber Optic Test Kit | 1632.02 |
|-------------|---|---------|

Advanced Fiber Solutions Multimode or Single mode Fiber Optic Test Kits

The AF-OLK51N-MM multimode or AF-OLK51N-SM single mode fiber optic test kits feature a fiber optic power meter and a light source to quickly and economically test either multimode or single mode fiber cabling. The power meter supports 850/1300/1310/1490/1550/1625nm light sources and features snap on ST, FC and SC connections. The single mode laser source features the same snap on 3 connector interface as the power meter, while the multimode light source uses an ST connector. The multimode LED source provides 850/1300nm signal and the single mode Laser source provides 1310/1550nm signal. The InGaAs detector in the power meter offers a broad dynamic range of ~60dB which far exceeds the requirements for most applications. Includes a convenient carrying case.

| | | |
|--------------|---|---------|
| AF-OLK51N-MM | Advanced Fiber Solutions Multimode Fiber Optic Test Kit | 823.78 |
| AF-OLK51N-SM | Advanced Fiber Solutions Single mode Fiber Optic Test Kit | 1445.50 |

Advanced Fiber Solutions Fiber Optic Test Kit with Power Meter, Light Source and Tool Kit

The TBX51N-MM features the OS420N light source for use with premises and campus cabling networks that utilize multimode fiber, or single mode fibers under 5km. The ST connector outputs can be adapted to any cable plant with hybrid adapters or hybrid cables. The OS420N becomes a powerful low cost troubleshooting and maintenance tool when used with an Advanced Fiber Solutions OM120 (included with this kit). Tool kit includes: safety glasses, sapphire scribe, armored tubing cutters, Kevlar scissors, needle nose pliers, rotary cable stripper, fiber optic stripper, buffer tube stripper, crimp tool, tweezers, polishing puck, polishing plate, continuity tester and a 200x microscope.

| | | |
|---------|---|---------|
| TBX51MM | Advanced Fiber Solutions Fiber Optic Test Kit with Power Meter, Light Source and Tool Kit | 1578.00 |
|---------|---|---------|

Advanced Fiber Solutions Plastic Optical Fiber (POF) Test Kit

The Advanced Fiber Solutions POF test kit is the perfect, portable solution for testing plastic and glass optical fiber cables. The FTK51POF includes the OM110 power meter, which is designed for POF (plastic optical fiber) and short wavelength applications (visible and near infrared). It optimizes a silicon detector suitable for large core fibers. It is the ideal tool for working with shorter wavelengths used with glass, plastic or multimode fibers. Additionally, the FTK51POF features the OS417-MD source which houses a 665nm LED in a modular adapter, which makes it adaptable to any connector style.

| | | |
|----------|---|--------|
| FTK51POF | Advanced Fiber Solutions Plastic Optical Fiber Test Kit | 898.00 |
|----------|---|--------|

| Item # | Description | List Price |
|---|--|------------|
| Brady BMP21-PLUS Label Printers | | |
| The BMP™21-PLUS is the next generation of the popular BMP21 label printer. The ruggedized construction of this device is designed to hold up in rough environments. This printer can handle labels between .25 inches and .75 inches in width. The BMP21-PLUS-KIT1 includes a rechargeable Lithium-ion battery, an AC adapter, and a hard carrying case. As an authorized Brady reseller, we can bid on RFQs for any Brady part numbers. Contact us to request a non obligatory quote. | | |
| BMP21-PLUS | Brady BMP21-PLUS Portable Label Printer | 102.58 |
| BMP21-PLUS-KIT1 | Brady BMP21-PLUS Portable Label Printer with Battery, Case and Charger | 202.06 |

Brady BMP Series Label Printers

The BMP41, BMP51 and BMP71 label printers provide solutions for a large array of labeling needs, and also for a demanding environment where large quantities of labels are needed. The BMP41 is able to print up to 1 inch labels in width, the BMP51 up to 1.5 inches in width and the BMP71 up to 2 inches. As you move up the line, the speed at which these labels print also increases, up to 1.5 inches per second with the BMP71. **As an authorized Brady reseller, we can bid on RFQs for any Brady part numbers. Contact us to request a non obligatory quote.**

| | | |
|--------------|------------------------------------|--------|
| BMP41 | Brady BMP41 Portable Label Printer | 309.82 |
| BMP41-MAGNET | Brady BMP41 Magnetic Mount | 25.91 |
| BMP51 | Brady BMP51 Portable Label Printer | 445.57 |
| BMP71 | Brady BMP71 Portable Label Printer | 954.67 |

BMP21-PLUS



BMP41



BMP51



| Item # | Description | Qty/Uom | List Price |
|--------------------------------------|-------------|---------|------------|
| Brady BMP21-PLUS Cable Labels | | | |

As an authorized Brady reseller, we can bid on RFQs for any Brady part numbers. Contact us to request a non-obligatory quote.

| | | | |
|-------------|---|--------|-------|
| M21-375-499 | Brady Nylon Cloth White, 0.375"W x 16'L (1cm W x 4.9m L) | 1/Roll | 27.27 |
| M21-500-499 | Brady Nylon Cloth White, 0.50"W x 16'L (1.3cm W x 4.9m L) | 1/Roll | 29.60 |
| M21-750-499 | Brady Nylon Cloth White, 0.75"W x 16'L (1.9cm W x 4.9m L) | 1/Roll | 24.87 |
| M21-375-423 | Brady Permanent Polyester White, 0.375"W x 21'L (1cm W x 6.4m L) | 1/Roll | 23.42 |
| M21-500-423 | Brady Permanent Polyester White, 0.50"W x 21'L (1.3cm W x 6.4m L) | 1/Roll | 19.17 |
| M21-750-423 | Brady Permanent Polyester White, 0.75"W x 21'L (1.9cm W x 6.4m L) | 1/Roll | 29.43 |

Brady BMP41/BMP51 Cable Labels

As an authorized Brady reseller, we can bid on RFQs for any Brady part numbers. Contact us to request a non-obligatory quote.

| | | | |
|-----------|--|----------|-------|
| M-51-427 | Brady Self Laminating Vinyl White, 1.00"W x 2.50"H (2.5cm W x 6.4cm H) | 110/Roll | 41.91 |
| M-91-427 | Brady Self Laminating Vinyl White, 1.00"W x 1.50"H (2.5cm W x 3.8cm H) | 180/Roll | 41.18 |
| M-141-499 | Brady Nylon Cloth White, 1.00"W x 1.00"H (2.5cm W x 2.5cm H) | 90/Roll | 24.77 |

M21-375-499



Brady BMP71 Cable Labels

As an authorized Brady reseller, we can bid on RFQs for any Brady part numbers. Contact us to request a non-obligatory quote.

| | | | |
|---------------|---|----------|-------|
| M71-17-351 | Brady Tamper-resistant Vinyl White, 1.00"W x 0.50"H (2.5cm W x 1.3cm H) | 500/Roll | 53.83 |
| M71-30-427-AW | Brady Self Laminating Vinyl, 1.50"W x 0.750"H (3.8cm W x 1.9cm H) | 250/Roll | 36.79 |
| M71-31-351 | Brady Tamper-resistant Vinyl White, 1.50"W x 1.00"H (3.8cm W x 2.5cm H) | 250/Roll | 41.40 |
| M71-20-351 | Brady Tamper-resistant Vinyl White, 2.00"W x 1.00"H (5.1cm W x 2.5cm H) | 100/Roll | 33.11 |

Brady Specialty Use Labels

These labels, designed for use in the BMP41/BMP51 printers utilize materials that are helpful in less typical situations, such as warning signs, outdoor usage, or a variety of other tasks. **As an authorized Brady reseller, we can bid on RFQs for any Brady part numbers. Contact us to request a non-obligatory quote**

| | | | |
|------------------|---|---------|-------|
| MC-500-595-OR-BK | Brady Indoor/Outdoor Labels 0.5"W x 25'L (1.3cm W x 7.6m L) Orange/Black | 1/Roll | 36.53 |
| MC-500-584 | Brady Reflective Tape Labels 0.5"W x 20'L (1.3cm W x 6.1m L) White/Black | 1/Roll | 58.87 |
| M-125-075-342 | Brady Permasleeve Heat Shrink Labels 0.235"W x 0.75"H (0.6cm W x 1.9cm H) | 80/Roll | 52.24 |

M-51-427



M71-17-351



MC-500-595-OR-BK



| Item # | Description | Qty/Uom | 1-9 | 10-24 | 25-99 | 100+ |
|--|-------------|---------|-----|-------|-------|------|
| Cable Labels - Wraparound Style, 3 Sizes to Choose From | | | | | | |

| | | | | | | |
|--------|--|---------|------|------|------|------|
| CL0515 | Cable Labels, .50"L x 1.5"W x .50"H (1.3cm L x 3.8cm W x 1.3cm H) | 30/Roll | 7.10 | 6.96 | 6.81 | CALL |
| CL1150 | Cable Labels, 1.0"L x 1.5"W x .50"H (2.5cm L x 3.8cm W x 1.3cm H) | 30/Roll | 9.48 | 9.29 | 9.10 | CALL |
| CL1375 | Cable Labels, 1.0"L x 3.75"W x 1.0"H (2.5cm L x 9.5cm W x 2.5cm H) | 30/Roll | 7.10 | 6.96 | 6.81 | CALL |

Note: CL Series labels are not intended for use with Brady printers.



Labels wrap around cable for easy identification.

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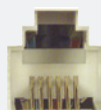
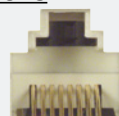
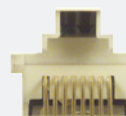
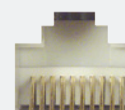
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CONTACT
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6-POSITION 4
CONTACT
(RJ11)

6-POSITION 6
CONTACT
(RJ12)

8-POSITION 8
CONTACT
(RJ45)

8-POSITION 8
CONTACT
KEYED (RJ45)

10-POSITION
10 CONTACT

USB Connectors



2.0 Type A Jack



2.0 Type A Plug



2.0 Type B Jack



2.0 Type B Plug


2.0 Micro
Type B Jack

2.0 Micro
Type B Plug

2.0 Mini Type B
Jack (4 position)

2.0 Mini Type B
Plug (4 position)


3.0 Type A Jack



3.0 Type A Plug


3.0 Type B
Jack

3.0 Type B
Plug

3.0 Micro Type B
Jack

3.0 Micro Type B
Plug

2.0 Mini Type B
Jack (5 position)

2.0 Mini Type B
Plug (5 position)

Mini DIN and DIN Connectors



Mini DIN 4



Mini DIN 6



Mini DIN 8



DIN 5

Fiber Optic Connectors


ST
CONNECTOR

SC
CONNECTOR

FC
CONNECTOR

MPO
CONNECTOR

LC
CONNECTOR

MT-RJ
CONNECTOR

Audio/Video Connectors


DVI-A DUAL LINK
(MALE)

DVI-I DUAL LINK
(MALE)

DVI-I SINGLE LINK
(MALE)

DVI-D DUAL LINK
(MALE)

DVI-D SINGLE LINK
(MALE)

DVI-A DUAL LINK
(FEMALE)

DVI-I DUAL LINK
(FEMALE)

DVI-I SINGLE LINK
(FEMALE)

DVI-D DUAL LINK
(FEMALE)

DVI-D SINGLE LINK
(FEMALE)

EVC
(MALE)

EVC
(FEMALE)

DFP
(MALE)

DFP
(FEMALE)

13W3
(MALE)

13W3
(FEMALE)


DISPLAY PORT



MINI DISPLAY PORT



MICRO HDMI



MINI HDMI



HDMI (MALE)



HDMI (FEMALE)

D-Subminiature Connectors

Shell Size 1



DB9F

Shell Size 2



DB15F

Shell Size 3



DB25F

Shell Size 4



DB37F

Shell Size 5



DB50F



HD15F



HD26F



HD44F



HD62F



HD78F

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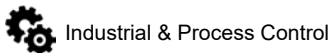
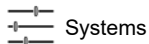
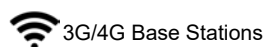
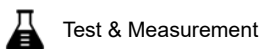
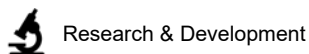
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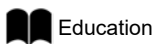
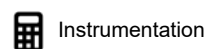
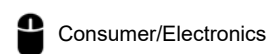
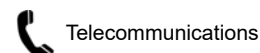
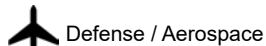
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