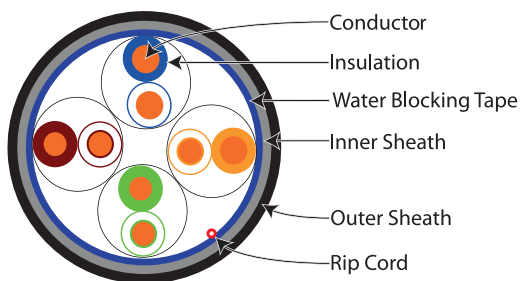




Cross Section



Electrical Characteristics(20°C)

Standard :

ANSI/TIA/EIA-568-B.2 & IEC/ISO 11801

Test Item	Units	Spec
1. Conductor D.C. Resistance	Ω /100m	≤ 9.5
2. Unbalance of Pair DC Resistance	%	≤ 2.5
3. Dielectric Strength between Pairs	kV/min	≤ 1.0
4. Insulation Resistance	M Ω -km	≥ 5000
5. Capacitance	nF/100m	≤ 5.6
6. Unbalance of Capacitance	pF/100m	≤ 330
7. Characteristic Impedance(1 to 100MHz)	Ω	100 $\pm$ 15
(100 to 200MHz)	Ω	100 $\pm$ 25
(200 to 350MHz)	Ω	100 $\pm$ 35
8. Short or Open of the loop	—	None
9. Shield	—	—

Cable Description

1)Conductor

Pairs	4
Total Conductor	8
AWG	24
Dia. of Conductor	Φ 0.50 $\pm$ 0.01mm
Material	Solid Bare Copper
Elongation	$\geq 15\%$

2)Insulation:

Material	HDPE
Nom. Thickness	0.24mm
Dia.	Φ 0.95 $\pm$ 0.05mm
Elongation	$\geq 300\%$
Color Cord	White/Blue & Blue
	White/Orange & Orange
	White/Green & Green
	White/Brown & Brown

3)Paired:

Length of Lay	< 30 mm
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4)Cabling:

Order of the pair	See the Cross Section
Mylar Tape	0.03 $\times$ 18mm

5)Water Blocking Tape

0.35mm*18

6)Sheath:

Material	Inner: PVC Outer: LDPE
Rip Cord	200D $\times$ 3
Nom. Thickness	Inner 0.50 $\pm$ 0.05mm
O.D.	Φ 5.30 $\pm$ 0.2mm
	Φ 6.70 $\pm$ 0.3mm

Color Black

7)Packing:

1000Ft Reel-in-a-Box

8)Temperature rating:

-40C to +85C

UV Rated

ASTM D1603 2.6%

ASTM D3349 440 kAB/m

Frequency (MHz)	RL (dB)	SRL (dB)	ATTEN (dB/100m)	NEXT (dB/100m)
1	20.00	28.00	2.03	65.30
4	23.01	28.00	4.03	56.27
8	24.52	28.00	5.73	51.75
10	25.00	28.00	6.43	50.30
16	25.00	28.00	8.19	47.24
20	25.00	25.00	9.20	45.78
25	24.32	27.03	10.33	44.33
31.25	23.64	26.06	11.62	42.88
62.5	21.54	23.05	16.79	38.36
100	20.11	21.01	21.65	35.30
155	18.80	19.10	27.20	32.50
200	18.00	18.00	32.40	30.80
250	17.30	17.00	21.65	29.30
300	16.80	16.20	41.00	28.10
350	16.30	15.60	44.90	27.10
Frequency (MHz)	PSNEXT (dB/100m)	ELFEXT (dB/100m)	PSELFEXT (dB/100m)	Delay (ns/100m)
1	62.30	64.00	61.00	570
4	53.27	51.96	48.96	552
8	48.75	45.94	42.94	547
10	47.30	44.00	41.00	545
16	44.24	39.92	36.92	543
20	42.78	37.98	34.98	542
25	41.33	36.04	33.04	541
31.25	39.88	34.10	31.10	540
62.5	35.36	28.08	25.08	539
100	32.30	24.00	21.00	538
155	29.50	20.20	17.20	537
200	27.80	18.00	15.00	537
250	26.30	16.00	13.00	536
300	25.10	14.50	11.50	536
350	24.10	13.10	10.10	536