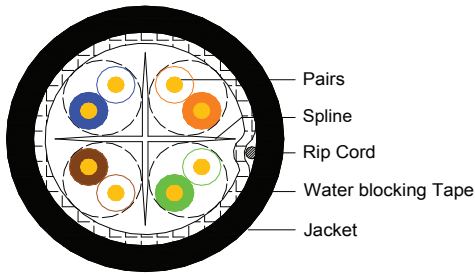




Cross Section



Electrical Characteristics(20°C)

Reference Standard: TIA/EIA-568-B.2-1 & IEC/ISO 11801

Test Item	Units	Spec
1. Max. Conductor DC Resistance	Ω/km	≤93.8
2. Unbalance or Pair DC Resistance	%	≤2.5
3. Dielectric Strength between Pairs	kV/min	≤1.0
4. Min. Insulation Resistance	MΩ-km	≥5000
5. Max. Pair Mutual Capacitance	nF/100m	≤5.6
6. Max. Pair Capacitance Unbalance	pF/100m	≤330
7. Impedance(1 to 250MHz)	Ω	100±15
(250 to 350MHz)	Ω	100±25
(350 to 550MHz)	Ω	100±35

Cable Description

1)Conductor		
Pairs	4	
Total Conductor	8	
AWG	23	
Dia. of Conductor	Φ 0.57±0.02mm	
Material	BC - Bare Copper	
2)Insulation:		
Material	HDPE	
Dia.	Φ 1.00±0.05mm	
Color Cord	White/Blue & Blue	
	White/Orange & Orange	
	White/Green & Green	
	White/Brown & Brown	
3)Paired:		
Direction	Right Hand Lay	
Length of Lay	< 38 mm	
4)Cabling:		
Order of the pair	See the Cross Section	
Direction	Right Hand Lay	
Filling	PE Filler	
	Water Blocking Tape	
5)Outer Sheath:		
Material	LDPE	
Rip Cord	200D*3	
Thickness	0.75±0.05mm	
Dia.	Φ 7.20±0.20mm	
6)Packing:	1000Ft Reel-in-a-Box	
7)Temperature rating:	-40C to +85C	
	UV Rated	
	ASTM D1603 2.6%	
	ASTM D3349 440 kAB/m	

Frequency (MHz)	Min.RL (dB)	Max.IL (dB/100m)	Min.NEXT (dB)	Min.PSNEXT (dB)
1	20.0	2.0	74.3	72.3
4	23.0	3.8	65.3	63.3
8	24.5	5.3	60.8	58.8
10	25.0	6.0	59.3	57.3
16	25.0	7.6	56.2	54.2
20	25.0	8.5	54.8	52.8
25	24.3	9.5	53.3	51.3
31.25	23.6	10.7	51.9	49.9
62.5	21.5	15.4	47.4	45.4
100	20.1	19.8	44.3	42.3
200	18.0	29.0	39.8	37.8
250	17.3	32.8	38.3	36.3
300	16.8	36.4	37.1	35.1
400	15.9	43.0	35.3	33.3
550	14.9	51.8	33.2	31.2

Frequency (MHz)	Min.ELFEXT (dB)	Min.PSELFEXT (dB)	Max.Delay (ns/100m)	Max.Delay skew(ns/100m)
1	67.8	64.8	570	45
4	55.8	52.8	552	45
8	49.7	46.7	547	45
10	47.8	44.8	545	45
16	43.7	40.7	543	45
20	41.8	38.8	542	45
62.5	31.9	28.9	539	45
100	27.8	24.8	538	45
200	21.8	18.8	537	45
250	19.8	16.8	536	45
300	18.3	15.3	536	45
400	15.8	12.8	536	45
550	13.0	10.0	536	45