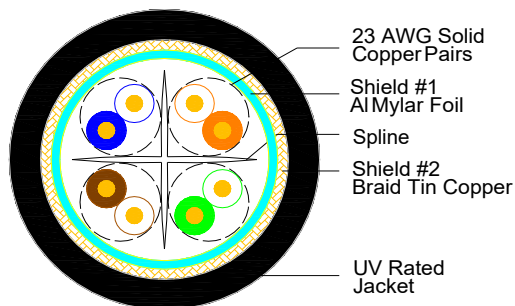




## Cross Section



## Electrical Characteristics(20°C)

Reference Standard: ANSI/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 550MHz)	Ω	100±25

## Cable Description

<b>1)Conductor</b>	
Pairs	4
Total Conductor	8
AWG	23
Dia. of Conductor	Φ 0.57±0.02mm
Material	Solid Bare Copper
<b>2)Insulation:</b>	
Material	HDPE - Polyethylene
Nom Thickness	0.26mm
Dia.	Φ 1.10±0.05mm
Color Cord	White/Blue & Blue White/Orange & Orange White/Green & Green White/Brown & Brown
<b>3)Paired:</b>	
Direction	Right Hand Lay
Length of Lay	< 38 mm
<b>4)Cabling:</b>	
Order of the pair	See the Cross Section
Direction	Right Hand Lay
<b>5)Shielding:</b>	
Vertical wrap	A1-Mylar Tape
Coverage%	100%
Braiding	Φ 0.12 x 192
Material	Tinned Copper
Coverage %	95% ± 3%
<b>6)Outer Sheath:</b>	
Material	LDPE
Rip Cord	200Dx3
Thickness	0.75±0.05mm
Dia.	Φ 7.70±0.30mm
<b>7)Packing:</b>	1000Ft Wooden Spool, 52Lbs
<b>8)Temperature rating:</b>	-40C to +85C UV Rated

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
25	39.8	36.8	541	45
31.25	37.9	34.9	540	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