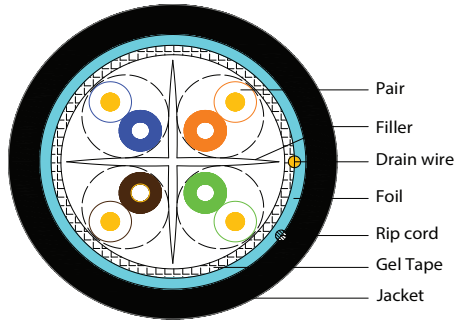


Cross Section



Electrical Characteristics(20°C)

Reference Standard : ANSI/TIA-568.2-D & IEC/ISO 11801

Test Item(20 °C)	Units	Spec
1.Max.Conductor DC Resistance	Ω/km	93.8
2.Max.Unbalance of Pair DC Resistance	%	2.5
3.Dielectric Strength between Pairs	kV/min	DC1.0
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 500MHz)	Ω	100±22

Cable Description

- Conductor :**
 Material: Solid Bare Copper
 Stranding: Solid
 Wire Gage: 23AWG
 Dia.: $\Phi 0.57 \pm 0.02 \text{mm}$
- Insulation :**
 Material: HDPE
 Nom. Thickness: 0.275mm
 Dia.: $\Phi 1.10 \pm 0.05 \text{mm}$
 Color Code: White/Blue & Blue
 White/Orange & Orange
 White/Green & Green
 White/Brown & Brown
- Paired :**
 Direction: Right Hand Lay
 Length of Lay: < 30mm
- Cabling :**
 Order of the Pair: See the Cross Section
 Filling: PE Filler
 Gel-Tape: Water Blocking Tape
- Shielding :**
 Vertical Wrap Coverage: AL-Mylar Tape 100%
 Dia.: $0.40 \text{mm} \pm 0.02 \text{mm}$
 Drain Wire: Solid Tinned Copper
- Outer Sheath :**
 Material: LDPE
 Thickness: $0.75 \pm 0.05 \text{mm}$
 Dia.: $\Phi 8.30 \pm 0.40 \text{mm}$
 Rip cord: 200D*3
- Packaging :** 1000Ft Wooden Spool
- Temperature rating :** -40~+85°C
 UV Rated

Frequency (MHz)	Min.RL (dB)	Max.IL (dB/100m)	Min.NEXT (dB)	Min.PSNEXT (dB)
1	20.0	2.1	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	5.9	59.3	57.3
16	25.0	7.5	56.2	54.2
20	25.0	8.4	54.8	52.8
25	24.3	9.4	53.3	51.3
31.25	23.6	10.5	51.9	49.9
62.5	21.5	15.0	47.4	45.4
100	20.1	19.1	44.3	42.3
200	18.0	27.6	39.8	37.8
250	17.3	31.1	38.3	36.3
300	16.8	34.3	37.1	35.1
400	15.9	40.1	35.3	33.3
500	15.2	45.3	33.8	31.8
750	14.0	62.3	31.8	29.1

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
500	13.8	10.8	536	45
750	10.5	7.5	535	45

Mechanical Characteristics

Reference Standard : UL 444

Test Material	LDPE
Before Tensile Strength(Mpa)	≥9.7
Aging Elongation(%)	≥350
After Tensile Strength(% of unaged)	≥75
Aging Elongation(% of unaged)	≥75
Cold Bend(-20±°C×4hrs)	No crack
Min.Bend Radius(Install)	8×D