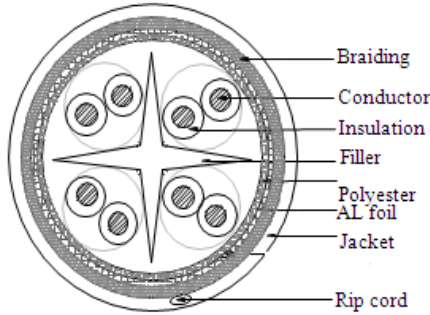


**Cross Section**



**Marking**

TBD

**Description**

**Application**

Horizontal Wiring in LAN

**Reference Standard**

EIA/TIA568 & ISO/IEC 11801

**Construction**

<b>Conductor</b>	<b>Solid Bare Copper</b>
Conductor Dia. (mm)	0.55
<b>Insulation</b>	<b>PE</b>
Average Thickness(mm)	0.295
Insulation Dia.(±0.15mm)	1.14
<b>Twisting Lay Length(mm)</b>	30underneath
<b>Cabling Lay Length(mm)</b>	200underneath
<b>Filler(CROSS)</b>	<b>PE</b>
<b>PET</b>	<b>YES</b>
<b>AL Foil</b>	<b>YES</b>
<b>Braid</b>	<b>AL&amp;MG</b>
<b>Coverage</b>	<b>≥30%</b>
<b>Jacket</b>	<b>PE</b>
Average Thickness(±0.05mm)	0.52
Min. Point Thickness(mm)	0.45
Outer Dia.(±0.3mm)	7.50
Rip Cord	YES
<b>Weight(kg/km)</b>	-----

**Color**

**Insulation colors are:**

- Blue,White
- Orange,White/Orange
- Green,White/Green
- Brown,White/Brown

**Jacket colors:**

Per customer request

**Part No.:**

Ref. spec No.:

**Revision History**

**Performance**

**Electrical Characteristics:**

Frequency (MHz)	Attenuation (dB/100m)	NEXT (dB/100m)	PSNEXT (dB/100m)	Return Loss ≥dB
1	2.0	74.3	72.3	20
4	3.8	65.3	63.3	23
10	6.0	59.3	57.3	25
16	7.6	56.2	54.2	25
20	8.5	54.8	52.8	25
31.25	10.7	51.9	49.9	24
62.5	15.4	47.4	45.4	22
100	19.8	44.3	42.3	20
200	29	39.8	37.8	18.0
250	32.8	38.3	36.3	17.3

Frequency (MHz)	ELFEXT (dB/100m)	PSELFEXT (dB/100m)	SRL (dB/100m)	Delay (ns/100m)
1	67.8	64.8	≥23	570.0
4	55.8	52.8		552.0
10	47.8	44.8		545.4
16	43.7	40.7		543.0
20	41.8	38.8		542.0
31.25	37.9	34.9		540.4
62.5	31.9	28.9		538.6
100	27.8	24.8		537.6
200	21.8	18.8		536.5
250	19.8	16.8		23-10Log(f/20)

1.0-250MHz Impedance (ohms)	100 ± 15
1.0-250.0MHz Delay Skew (ns/100m)	≤45
Pair-to-Ground Capacitance Unbalance (pF/100m)	≤330
Max. Conductor DC Resistance 20°C (ohms/km)	93.8
Resistance Unbalance (%)	≤5