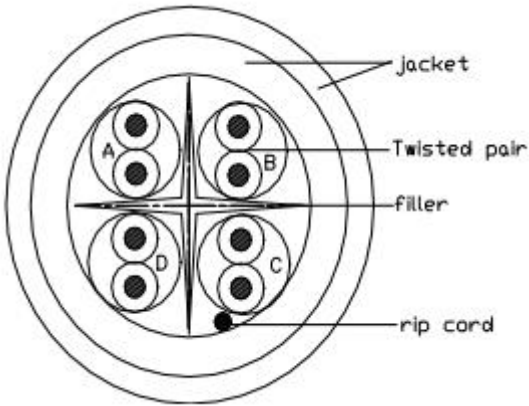


## 2X2X0.57

### Cross Section



### Marking

Per request

### Description

Rated Temperature (°C) 75

### Application

Horizontal Wiring in LAN

### Reference Standard

UL Subject 444, EIA/TIA568 & ISO/IEC 11801

### Construction

<b>Conductor</b>	<b>CCA</b>
AWG	23
Conductor Dia. (±0.05mmmm)	<b>0.57</b>
<b>Insulation</b>	<b>PE</b>
Average Thickness(mm)	0.205
Min. Point Thickness(mm)	0.200
Insulation Dia.(±0.01mm)	<b>0.98</b>
<b>Twisted Pair Dia.(±0.02mm)</b>	1.96
<b>Filler</b>	PE
<b>Jacket 1</b>	<b>PVC</b>
Average Thickness(mm)	0.50
Min. Point Thickness(mm)	0.45
Outer Dia.(±0.1mm)	<b>5.80</b>
<b>Jacket 2</b>	<b>LLDPE</b>
Average Thickness(mm)	0.55
Min. Point Thickness(mm)	0.5
Outer Dia.(±0.1mm)	<b>7.00</b>
Rip Cord	Nylon

### Color

#### Insulation colors are:

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

#### Jacket colors:

Per request

### Performance

#### Electrical Characteristics:

Frequency (MHz)	Return loss (Min dB)	Attenuation (Max)	NEXT (Min dB)
1	20.0	1.8	74.3
4	23.0	3.7	65.3
8	24.5	5.3	60.8
16	25.0	7.5	56.3
20	25.0	8.4	54.8
62.5	21.5	15.4	47.4
100	20.1	19.8	44.3
200	18.0	29.0	39.8
250	17.3	32.8	38.3

Frequency (MHz)	PSNEXT (Min dB)	ELFEXT (Min dB/100m)	PSELFEXT (Min dB/100m)	Delay (Max ns/100m)
1	72.3	67.8	64.8	570.0
4	63.3	55.7	52.7	552.0
8	58.8	49.7	46.7	546.7
16	54.3	43.7	40.7	543.0
20	52.8	41.7	38.7	542.0
62.5	45.4	31.8	28.8	538.6
100	42.3	27.8	24.8	537.6
200	37.8	21.7	18.7	536.5
250	36.3	19.8	16.8	536.3

1.0-250MHz Impedance (ohms)	100 ± 15
1.0-250MHz Delay Skew (ns/100m)	<=45
Pair-to-Ground Capacitance Unbalance (pF/100m)	3300
Max. Conductor DC Resistance 20°C (ohms/km)	66.8
Resistance Unbalance (%)	<=5

#### Mechanical Characteristics:

Test Object	Jacket
Test Material	PVC
Before Tensile Strength (Mpa)	>=13.8
Aging Elongation (%)	>=100
Aging Condition (°Cxhrs)	100x168
After Tensile Strength (Mpa)	>=85% of unaged
Aging Elongation (%)	>=50% of unaged
Cold Bend(-20±2°Cx4hrs)	No crack