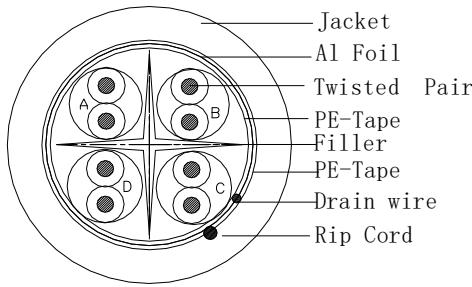


2X4X0.57

Cross Section



Marking

Per request

Description

Rated Temperature (°C) 75
Product Standard Certification

Construction

Conductor CCA
AWG 23
Conductor Dia. (±0.05mm) 0.57
Insulation PE
Average Thickness(mm) 0.205
Min. Point Thickness(mm) 0.189
Insulation Dia.(±0.01mm) 0.98
Twisted Pair Dia.(±0.02mm) 2.02
Filler PE
Assembly Dia.(±0.2mm) 4.8

PE-Tape(mm) Yes
Drain wire (CCA) Dia.(±0.003mm) 0.5
Al Foil Shield(mm) Yes

Assembly Dia.(±0.2mm) 5.80

Jacket PVC
Average Thickness(mm) 0.55
Min. Point Thickness(mm) 0.5
Outer Dia.(±0.1mm) 6.60
Rip Cord Nylon

Color

Insulation colors are:
Blue, White/Blue
Orange, White/Orange
Green, White/Green
Brown, White/Brown

Jacket colors:

Per request

Performance

Electrical Characteristics:

Frequency (MHz)	Return loss (Min dB)	Attenuation Max (dB/100m)	NEXT (Min dB)
1	20.0	2.0	65.3
4	23.0	4.1	56.3
8	24.5	5.8	51.8
16	26.0	8.2	47.3
20	26.5	9.3	45.8
62.5	25.0	17.0	38.4
100	25.0	22.0	35.3
200	18.0	32.4	30.8
250	17.3	36.9	29.3

Frequency (MHz)	PSNEXT Min (dB)	ELFEXT Min (dB/100m)	PSELFEXT Min (dB/100m)	Delay Max (ns/100m)
1	62.3	63.8	60.8	570.0
4	53.3	51.7	48.7	552.0
8	48.8	45.7	42.7	546.7
16	44.3	39.7	36.7	543.0
20	42.8	37.7	34.7	542.0
62.5	35.4	27.8	24.8	538.6
100	32.3	23.8	20.8	537.6
200	27.8	17.7	14.7	536.5
250	26.3	15.8	12.8	536.3

1.0-100.0MHz Impedance (ohms) 100 ± 15
1.0-100.0MHz Delay Skew (ns/100m) ≤45
Pair-to-Ground Capacitance Unbalance (pF/100m) ≤330
Max. Conductor DC Resistance 20°C (ohms/km) 72.2
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