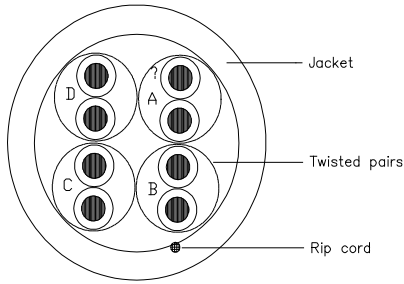


4X2X0.48

Cross Section



Marking

Description

Rated Temperature (°C) 75  
Product Standard Certification

Construction

**Conductor** Copper  
AWG 24  
Conductor Dia. (mm) 0.48  
**Insulation** PE  
Average Thickness(mm) 0.190  
Min. Point Thickness(mm) 0.185  
Insulation Dia.(±0.01mm) 0.86  
**Twisted Pair Dia.(±0.02mm)** 1.82  
  
**Assembly Dia.(±0.2mm)** 3.9  
**Shield** Pet foil  
  
**Jacket** PE  
Average Thickness(mm) 0.55  
Min. Point Thickness(mm) 0.5  
Outer Dia.(±0.2mm) 5.00  
  
Rip Cord Per request

Color

**Insulation colors are:**  
Blue,White/Blue  
Orange,White/Orange  
Green,White/Green  
Brown,White/Brown  
**Jacket colors:** Per request

Marking

Performance

Electrical Characteristics:

Frequency (MHz)	Return loss (Min dB)	Attenuation Max (dB/100m)	NEXT (Min dB)
0.772	19.4	1.8	67.0
1	20.0	2.0	65.3
4	23.0	4.1	56.3
8	24.5	5.8	51.8
10	25.0	6.5	50.3
16	25.0	8.2	47.3
20	25.0	9.3	45.8
25	24.3	10.4	44.3
31.25	23.6	11.7	42.9
62.5	21.5	17.0	38.4
100	20.1	22.0	35.3

Frequency (MHz)	PSNEXT (Min dB)	ELFEXT (Min (dB/100m))	PSELFEXT (Min (dB/100m))	Delay (Max (ns/100m))
0.772	64.0	66.0	63.0	575.0
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
10	47.3	43.8	40.8	545.4
16	44.3	39.7	36.7	543.0
20	42.8	37.7	34.7	542.0
25	41.3	35.8	32.8	541.2
31.25	39.9	33.9	30.9	540.4
62.5	35.4	27.8	24.8	538.6
100	32.3	23.8	20.8	537.6

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)	93.8
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