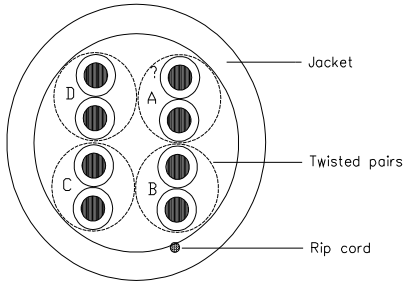


4X2X0.50

Cross Section



Marking

Description

Rated Temperature (°C) **75**
 Product Standard Certification

Application

Horizontal Wiring in LAN

Reference Standard

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

Construction

Conductor **CCA**
 AWG **24**
 Conductor Dia. (mm) **0.5**
Insulation **PE**
 Average Thickness(mm) 0.185
 Min. Point Thickness(mm) 0.180
 Insulation Dia.(±0.01mm) **0.87**
Twisted Pair Dia.(±0.02mm) 1.82

Assembly Dia.(±0.2mm) 3.9

Jacket **PVC**
 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 |