



Trident Cat5e FTP LSZH



Key Features

- LSZH Jacket
- Coded Violet Box
- FTP Shield
- Metre Marked
- Solid Wire 24AWG
- 30 Year System Warranty Available

Cable Type:

CAT5e FTP LSZH

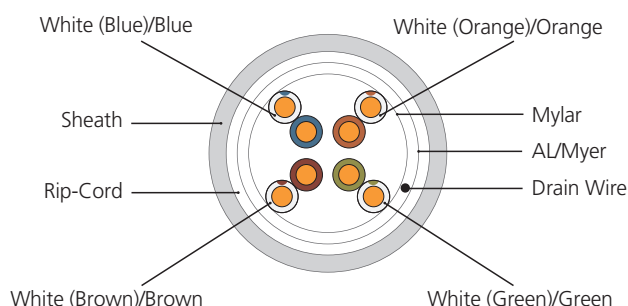
Part No: TRI-001194

General Description:

Suitable for all installations requiring performances up to 100MHz

Relevant Standards:

ISO/IEC11801:2011, ANSI/TIA-568-C.2, RoHS Compliant



Cable Construction:

Material Breakdown:

| | | |
|--------------------|-------------------------------|-------------------------------------|
| Conductor | Solid Bare Copper | |
| | Nom. O.D. (mm) | 0.500 up +0.005 0.500 down -0.005 |
| Insulation | HDPE | |
| Screening Material | Mylar + AL/Maylar | Diameter: 1.00+0.05mm |
| Sheath | Thickness | 0.55 ± 0.05mm |
| | External O.D. | 6.2 ± 0.4mm |
| | Surface | Clean, Frap, Satiation |
| | Material | LSZH (complies RoHS) |
| | Colour | T.B.C |
| Surface Printing | Letter Height | 3.0 ± 0.3mm |
| | Colour | Black |
| | Print Error & Space | <+ 0.5%, 1m |
| Core Colour | 1 White-Blue /Blue | 2 White-Orange /Orange |
| | 3 White-Green /Green | 4 White-Brown /Brown |
| Packaging | Wooden Tray & Carton | |
| | Packing Length: 305m +/- 1.5m | |
| | Rip Cord: Yes | Drain Wire: Yes |



Sheath Physical Properties:

| | |
|-------------------------------------|--------------------------------|
| Before Aging Tensile Strength (Mpa) | ≥10.0 |
| Before Aging Elongation (%) | ≥125 |
| Aging Period (°C x hrs.) | 100°C x 24h x 7d |
| After Aging Tensile Strength (Mpa) | ≥8.0 |
| After Aging Elongation (%) | ≥100 |
| Cold bend (-20±2°C x 4h) | 8xCable O.D. No visible cracks |

Electrical Characteristics (20°C):

| | |
|--|--------------------------|
| 1.0-100.0 MHz | Impedance (Ω) 100±15 |
| 1.0-100.0 MHz | Delay Skew (ns/100m) <45 |
| Unbalanced-to-ground capacitance | (pf/100m) max 330 |
| DC Resistance (Ω/100m) max | 9.5 |
| DC Conductor Resistance Unbalance (%)max | 5.0 |

Technical Performance (100m):

| Frequency (MHz) | RL >dB | ATT (20°C) <dB | Next ≥dB | Phase Delay ≥dB |
|-----------------|--------|----------------|----------|-----------------|
| 1 | 20.0 | - | 65.3 | 570.00 |
| 4 | 23.0 | 4.1 | 56.3 | 552.00 |
| 8 | 24.5 | 5.8 | 51.8 | 546.73 |
| 10 | 25.0 | 6.5 | 50.3 | 545.38 |
| 16 | 25.0 | 8.2 | 47.2 | 543.00 |
| 20 | 25.0 | 9.3 | 45.8 | 542.05 |
| 25 | 24.3 | 10.4 | 44.3 | 541.20 |
| 31.25 | 23.6 | 11.7 | 42.9 | 540.44 |
| 62.5 | 21.5 | 17.0 | 38.4 | 538.55 |
| 100 | 20.1 | 22.0 | 35.3 | 537.60 |