



Trident Cat5e FTP Orange LSZH



Key Features

- LSZH Sheath
- Coded Orange Box
- FTP Shield
- Metre Marked
- Solid Wire 23 AWG
- 30 Year System Warranty Available

Cable Type:

CAT5e FTP LSZH

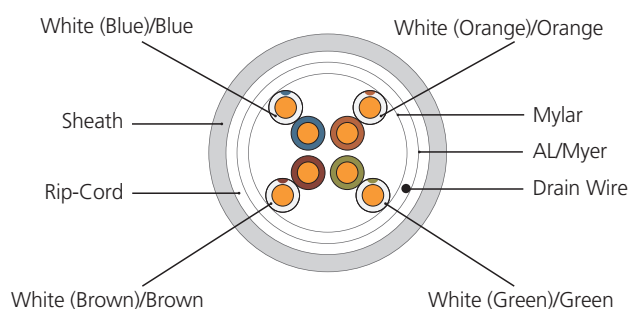
Part No: TRI-000163

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	Material	Solid Bare Copper
	Nom. O.D. (mm)	0.500 up +0.005 0.500 down -0.005
Insulation	HDPE	Diameter: 1.00±0.05mm
Screening Material	Mylar + AL/Maylar	
Sheath	Thickness	0.55 ± 0.05mm
	External O.D.	6.2 ± 0.4mm
	Surface	Clean, Frap, Satiation
	Material	LSZH (complies RoHS)
	Colour	Orange
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