



Trident CAT6a U/FTP LSZH



Key Features

- LSZH Sheath
- 305mtr reel
- U/FTP Shield
- Metre Marked
- Solid Wire 23 AWG
- 30 Year System Warranty Available



Cable Type:

CAT6a U/FTP LSZH

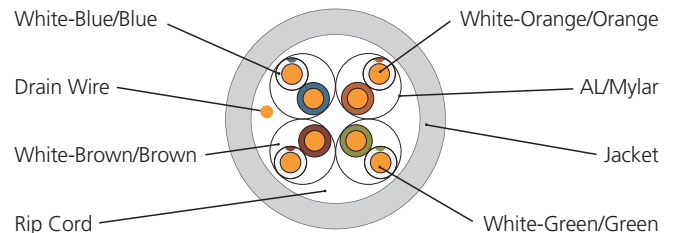
Part No: TRI-000429 (Violet) TRI-002449 (Blue)

General Description:

Suitable for internal runs, and all installations requiring performances up to 500MHz U/FTP also helps prevent crosstalk.

Relevant Standards:

ISO/IEC11801, TIA-568-C.2



Cable Construction:

Material Breakdown:

Conductor	Solid Bare Copper	
	Nom. O.D. (mm)	0.560 up +0.005 0.560 down -0.005
Insulation	Skin-Foam-Skin PE	Diameter: 1.330+0.05mm
Screening Material	Mylar + AL/Mylar	Drain Wire TC 0.45mm
Sheath	Thickness	0.55 + 0.05mm
	External O.D.	7.3 + 0.5mm
	Surface	Clean
	Material	LSZH (complies RoHS)
	Colour	Blue & Violet
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-Brown /Brown	4 White-Green /Green
Packaging	Drum / Reel	
	Packing Length: 305m +/- 1.5m	
	Rip Cord: Yes	Drain Wire: Yes

Sheath Physical Properties:

Before Aging Tensile Strength (Mpa)	≥10.0	
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)	8 x Cable O.D.	No visible cracks

Electrical Characteristics (20°C):

1.0-250.0 MHz	Impedance (Ω) 100±15
250.0-500.0 MHz	Impedance (Ω) 100±22
1.0-500.0 MHz	Delay Skew (ns/100m) <45
DC Resistance (Ω/100m) max	9.38
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	-	74.3	570
4	23.0	3.8	65.3	552
8	24.5	5.3	60.8	547
10	25.0	5.9	59.3	545
16	25.0	7.5	56.2	543
20	25.0	8.4	54.8	542
25	24.3	9.4	53.3	541
31.25	23.6	10.5	51.9	540
62.5	21.5	15.0	47.7	539
100	20.1	19.1	44.3	538
200	18.0	27.6	39.8	537
250	17.3	31.1	38.3	536
300	16.8	34.3	37.1	536
400	15.9	40.1	35.3	536
500	15.2	45.3	33.8	536

Frequency (MHz)	PSNEXT >dB	ELFEXT ≥dB	-	PSELFEXT ≥dB
1	72.3	67.8	-	64.8
4	63.3	55.8	-	52.8
8	58.8	49.7	-	46.7
10	57.3	47.8	-	44.8
16	54.2	43.7	-	40.7
20	52.8	41.8	-	38.8
25	51.3	39.8	-	36.8
31.25	49.9	37.9	-	34.9
62.5	45.4	31.9	-	28.9
100	42.3	27.8	-	24.8
200	37.8	21.8	-	18.8
250	36.3	19.8	-	16.8
300	35.1	18.3	-	15.3
400	33.3	15.8	-	12.8
500	31.8	13.8	-	10.8