



Trident CAT6 U/UTP FR-LSZH



Key Features

- LSZH Sheath
- CPR Classification B2ca,s1a,d1,a1
- U/UTP Shield
- 305Mtr Drum
- Solid Wire 23 AWG
- 30 Year System Warranty Available



Cable Type:

CAT6 U/UTP LSZH

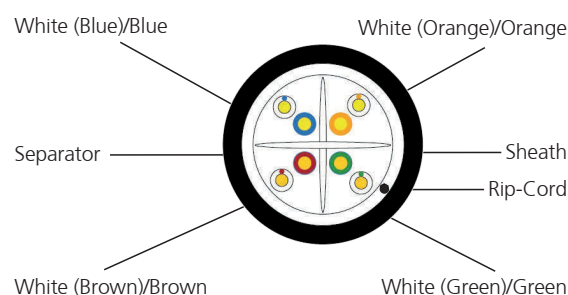
Part No: TRI-001735

General Description:

Suitable for internal runs, and all installations requiring performances up to 250MHz. CPR Classification B2ca,s1a,d1,a1

Relevant Standards:

ISO/IEC 11801, TIA-568-C.2



Cable Construction:

Material Breakdown:

Conductor	Material: Solid Bare Copper	Nom. O.D. (mm): 0.550 up \pm 0.05
Insulation	Material: HDPE	Diameter: 0.98 \pm 0.05mm
Screening Material	Mylar + AL/Mylar	Drain Wire TC 0.45mm
Sheath	Thickness	0.70 \pm 0.01mm
	External O.D.	6.6 \pm 0.5mm
	Surface	Clean Frap Satiation
	Material	FR-LSZH (complies RoHS)
	Colour	T.B.D.
Surface Printing	Letter Height	3.0 \pm 0.3mm
	Colour	Black
	Print Error & Space	< \pm 0.5%, 1m
Core Colour	1 White-Blue /Blue	2 White-Orange /Orange
	3 White-Brown /Brown	4 White-Green /Green
Packaging	Material:	Drum
	Packing Length:	305m +/- 1.5m
Separator: FRPE	Rip Cord: Yes	Drain Wire: No
Reaction to fire Classification	B2ca, s1a, d1, a1	



Sheath Physical Properties:

Before Aging Tensile Strength (Mpa)	≥9.0	
Before Aging Elongation (%)	≥100	
Aging Period (°C x hrs.)	100°C x 24h x 7d	
After Aging Tensile Strength (Mpa)	>8.0	
After Aging Elongation (%)	≥70	
Cold bend (-20±2°C x 4h)	15 x Cable O.D.	No visible cracks

Electrical Characteristics (20°C):

1.0-250.0 MHz	Impedance (Ω) 100±15
1.0-250.0 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	2.03	74.3	570.00
4	23.0	3.78	65.3	552.00
8	24.5	5.32	60.8	546.73
10	25.0	5.95	59.3	545.38
16	25.0	7.55	56.2	543.00
20	25.0	8.47	54.8	542.05
25	24.3	9.51	53.3	541.20
31.25	23.6	10.67	51.9	540.44
62.5	21.5	15.38	47.7	538.55
100	20.1	19.80	44.3	537.60
200	18.0	28.98	39.8	536.54
250	17.3	32.85	38.3	536.27

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