TRIDENT DATA

30 YEAR WARRANTY

Trident CAT6 FTP P.E. Black

Eca CPR

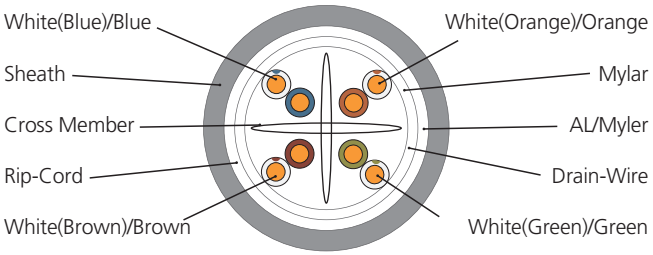
Key Features

- P.E. Sheath
- 305mtr box
- F/UTP Shield
- Metre Marked
- Solid Wire 23 AWG
- 30 Year System Warranty Available

Cable Type:

CAT6 F/UTP P.E.

Part No: TRI-000447



General Description:

Suitable for external runs, and all installations requiring performances up to 250MHz.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)	0.565 up +0.005 | 0.565 down -0.005
Insulation	HDPE	Diameter: 1.12+0.05mm
Screening Material	Mylar + AL/Mylar	
Sheath	Thickness	0.60 + 0.05mm
	External O.D.	7.4 + 0.4mm
	Surface	Clean, Frap, Satiation
	Material	LDPE (complies RoHS)
	Colour	Black
Surface Printing	Letter Height	3.0 + 0.3mm
	Colour	White
	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

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Sheath Physical Properties:

Before Aging Tensile Strength (Mpa)		
Elongation (%)	≥10.0	≥350
Aging Period (ºC x hrs.)	100ºC x 24h x 10d	
After Aging Elongation (%)	≥300	
Cold bend (-20±2ºC × 4h)		No visible cracks

Electrical Characteristics (20ºC):

1.0-250.0 MHz	Impedance (Ω) 100±15	
1.0-250.0 MHz	Delay Skew (ns/100m) <45	
Unbalanced-to-ground capacitance (pf/100m) max		330
DC Resistance (Ω/100m) max	9.38	
DC Conductor Resistance Unbalance (%)max	5.0	

Technical Performance (100m):

Frequency (MHz)	RL >dB	ATT (20ºC) <dB	Next ≥dB	Phase Delay ≥dB
1	20.0	-	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

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