



Trident Cat5e FTP PE Black



Key Features

- Black PE Sheath
- Cut to length
- FTP Shield
- Metre Marked
- Solid Wire 24AWG
- 30 Year System Warranty Available

Cable Type:

CAT5e FTP PE

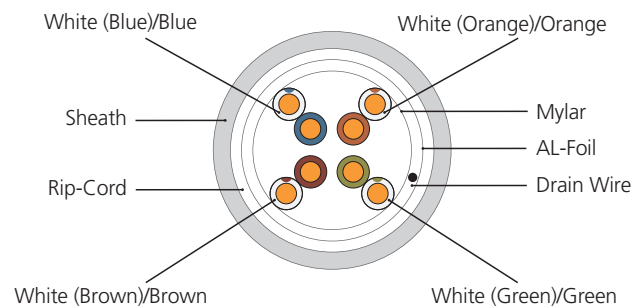
Part No: TRI-001041

General Description:

Suitable for all installations requiring performances up to 100MHz

Relevant Standards:

ISO/IEC11801, TIA-568-C.2



Cable Construction:

Material Breakdown:

Conductor	Solid Bare Copper	
	Nom. O.D. (mm)	0.500 up +0.005 0.500 down -0.005
Insulation	HDPE	Diameter: 0.87+0.03mm
Sheath	Thickness	0.55 ± 0.05mm
	External O.D.	6.2 ± 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



Sheath Physical Properties:

Before Aging Tensile Strength (Mpa)	~ 13.5	
Elongation (%)	~ 150	
Aging Period (°C x hrs.)	100°C x 24h x 10d	
After Aging Elongation (%)	~ 300	
Cold bend (-20±2°C x 4h)	8 x Cable O.D.	No visible cracks
DC Conductor Resistance Unbalance (%) max	5.0	

Electrical Characteristics (20°C):

1.0-100.0 MHz	Impedance (°) 100±15
1.0-100.0 MHz	Delay Skew (ns/100m) <45
Unbalanced-to-ground capacitance	(pf/100m) max 330
DC Resistance (° /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