



Trident Cat5e FTP PJ PE Black

Eca
CPR

Key Features

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

Cable Type:

CAT5e FTP PE-Jelly

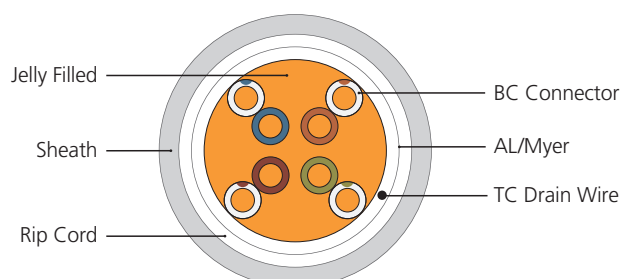
Part No: TRI-000613

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)	0.510 up +0.005 0.510 down -0.005
Insulation	HDPE	Diameter: 1.02±0.05mm
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	
	Packing Length: 305m +/- 1.5m	
	Rip Cord: Yes	Drain Wire: Yes



Sheath Physical Properties:

Before Aging Tensile Strength (Mpa)	≥10.0
Elongation (%)	≥350
Aging Period (°C x hrs.)	100°C x 24h x 10d
After Aging Elongation (%)	≥300
Cold bend (-20±2°C x 4h)	No visible cracks
DC Conductor Resistance Unbalance (%) max	5.0

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

Technical Performance (100m):

Frequency (MHz)	RL >dB	ATT <dB	Next ≥dB	Phase Delay ≥dB
1	19.0	3.0	60.0	521.00
4	19.0	3.9	54.8	504.00
8	19.0	5.5	50.0	500.00
10	19.0	6.2	48.5	498.00
16	19.0	7.9	45.2	496.00
20	19.0	8.9	43.7	495.00
25	18.0	10.0	42.1	495.00
31.25	17.1	11.2	40.5	494.00
62.5	14.1	16.2	35.7	492.00
100	12.0	21.0	32.3	491.00