



Trident Cat5e UTP PVC Grey B305M

Key Features

- Grey PVC Sheath
- Colour Coded Grey Box
- Metre Marked
- Solid Wire 24AWG
- 30 Year System Warranty Available



Cable Type:

CAT5E UTP PVC

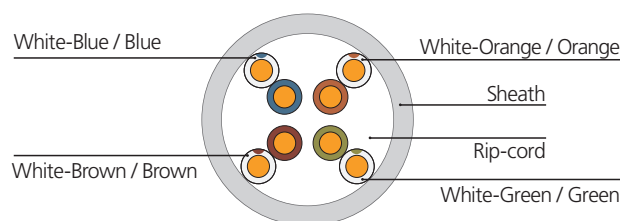
Part No: TRI-000160

General Description:

Suitable for all installations requiring performances up to 100MHz

Relevant Standards:

ANSI/TIA-568-C.2, ISO/IEC 11801:2011, ROHS Compliant



Cable Construction:

Material Breakdown:

Conductor	Solid Bare Copper	
	Nom.O.D: 0480	0.500 up +0.005 0.500 down -0.005
Insulation	HDPE	Diameter: 0.87±0.03mm
Sheath	Thickness	0.50±0.05mm
	External O.D.	4.9±0.4mm
	Surface	Clean, Frap, Satiation
	Material	PVC(RoHS complied)
	Colour	According to the Requirements
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-Green/Green	4 White-Brown/Brown
Packaging	Box 305m	Carton Dimensions: 35cm* x 35cm* x 20cm*
	Packing Length: 305 ± 1.5m	
	Rip Cord: Yes	Drainwire: No



Sheath Physical Properties:

Before Aging - Tensile Strength (Mpa)	≥13.5
Elongation	≥150
Aging Period (°C X Hours)	100°C x 24h x 7d
After Aging - Tensile Strength (Mpa)	≥12.5
Elongation	≥125
Cold Bend (-20±2°C (Cx hrs)	8 x Cable O.D. No visible cracks

Electrical Characteristics (20°C):

1.0-100.0 MHz	Impedance (Ω) 100±15
1.0-100.0 MHz	Delay Shew (ns/100m) <45
DC Resistance (Ω/100m) max	11.0
DC Conductor Resistance Unbalanced (%) max	5.0

Technical Performance (100m):

Frequency (MHz)	RL ≥dB	ATT (20°C) <dB	Next ≥dB	Phase Delay ≥dB
1	20.0	2.0	65.3	570.0
4	25.0	4.1	56.3	552.0
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

Frequency (MHz)	PS Next ≥dB	ELFEXT ≥dB	PSELFEXT ≥dB
1	62.3	63.8	60.8
4	53.3	51.8	48.8
8	48.8	45.7	42.7
10	47.3	43.8	40.8
16	44.4	39.7	36.7
20	42.8	37.8	34.8
25	41.3	35.8	32.8
31.25	39.9	33.9	30.9
62.5	35.4	27.9	24.9
100	32.3	23.8	20.8