



Trident CAT6 UTP SWA P.E.

Key Features

- P.E. Sheath
- Galvanized Steel Wire
- UTP Unshielded Twisted Pair
- Metre Marked
- Solid Wire 24AWG

Cable Type:

CAT6 UTP SWA P.E.

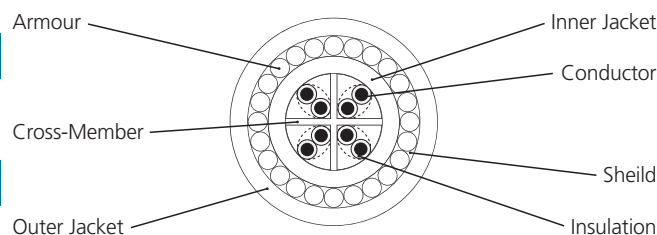
Part No: TRI-000612

General Description:

Suitable for all installations requiring performances up to 250MHz, and for external and direct burial installations.

Relevant Standards:

ISO/IEC 11801-2, ANSI/TIA-568-B.2-1, RoHS Compliant



Cable Construction:

Material Breakdown:

Conductor	Solid Bare Copper	
	Nom. O.D. (mm)	0.570 up +0.002 0.570 down -0.010
Insulation	SPE	Diameter: 1.05+0.13mm
Sheath	Thickness	0.55 + 0.05mm
	External O.D.	11.2 + 0.5mm
	Surface	Clean & Smooth
	Material	PE (complies RoHS)
	Colour	T.B.C
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	Wooden Tray & Carton
	Packing Length: 305mtr box /Per Metre	
	Rip Cord: No	Drain Wire: No



Sheath Physical Properties:

Before Aging Tensile Strength (Mpa)		
Before Aging Elongation (%)	≥15.0	≥300
Aging Period (°C x hrs.)	80°C x 24h x 7d	
After Aging Tensile Strength (Mpa)	≥12.5	
After Aging Elongation (%)	≥250	
Cold bend (-20±2°C x 4h)		No visible cracks

Electrical Characteristics (20°C):

1.0-100.0 MHz	Impedance (Ω) 100±15
100.0-250 MHz	Impedance (Ω) 100±22
Unbalanced-to-ground capacitance	(pf/100m) max 330
Max Conductor DC Resistance (Ω/100m)	9.5
Min Insulation DC Resistance (%)max	5.0

Technical Performance (100m):

Frequency (MHz)	RL >dB	ATT (20°C) <dB	Next ≥dB	Phase Delay ≥dB
1	20.0	2.0	74.3	-
4	23.0	3.8	65.3	-
8	24.5	5.3	60.8	-
10	25.0	6.0	59.3	-
16	25.0	7.6	56.2	-
20	25.0	8.5	54.8	-
25	24.3	9.5	53.2	-
31.20	23.6	10.7	51.2	-
62.5	21.5	15.4	47.4	-
100	20.1	19.8	44.3	-
200	18.0	29.0	39.8	-
250	17.3	32.8	38.3	-