



# Trident Cat5 25 Pair Internal LSOH



## Key Features

- Violet LSOH Sheath
- Metre Marked
- Solid Wire 24AWG
- Cut to length
- 30 Year System Warranty Available

## Cable Type:

Cat5 25 Pair Internal

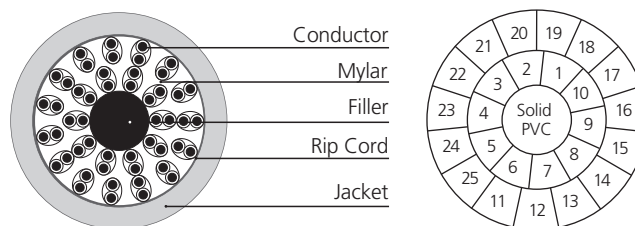
## Part No: TRI-000170

## General Description:

Suitable for all installations requiring performances up to 100MHz.

## Relevant Standards:

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



## Physical Characteristics:

## Material Breakdown:

Inner Conductor	Stranded Bare Copper
AWG	24
No. of Pairs	25
Insulation	High Density Polyethylene, For Colours See Table
Filler	4.0mm Polyethylene Strip
Shield(Braiding Layer)	Mylar Spiral Shield
Rip-chord	Nylon
Outer Jacket	LSOH Violet
NOM OD	12.00mm

## Electrical Characteristics:

Max. Conductor DC Resistance at 20°C (Ω/Km)	<96.5	
Rated Voltage:	30	
Velocity Ratio:	65%	
Crush resistance:	>1500N/100m	
Tensile load:	>2000N	
Min. bend radius	Full load: 20x Diameter	No load: 15x Diameter
Temperature Range(°C) Installation	-5 to +50	Operational: -20 to +60



### Insulation Colour Chart:

Pair and Color	Lay Length	Pair & Color	Lay Length
1. White/Blue; Blue/White	9.4mm	14.Black/Brown; Brown/Black	16.51mm
2. White/Orange; Orange/White	13.72mm	15.Black/Grey; Grey/Black	21.06mm
3. White/Green; Green/White	11.43mm	16.Yellow/Blue; Blu/Yellow	9.91mm
4. White/Brown; Brown/White	12.95mm	17.Yellow/Organge; Orange/Yellow	18.11mm
5. White/Grey; Grey/White	15.24mm	18.Yellow/Grn; Green/Yellow	24.59mm
6. Red/Blue; Blue/Red	11.94mm	19.Yellow/Brown; Brown/Yellow	16.51mm
7. Red/Orange; Orange/Red	13.72mm	20.Yellow/Grey; Grey/Yellow	21.06mm
8. Red/Green; Green/Red	11.43mm	21.Violet/Blue; Blue/Violet	9.91mm
9. Red/Brown; Brown/Red	12.95mm	22.Violet/Orange; Orange/Violet	18.11mm
10. Red/Grey; Grey/Red	10.92mm	23.Violet/Green; Green/Violet	24.59mm
11. Black/Blue; Blue/Black	9.91mm	24.Violet/Brown; Brown/Violet	16.51mm
12. Black/Orange; Orange/Black	18.11mm	25.Violet/Grey; Grey/Violet	21.06mm
13. Black/Green; Green/Black	24.59mm		

### Technical Performance (100m):

Frequency MHz	Impedance $\Omega$	RL dB	Attenuation at 20°C dB/100m	Next Worst Pair dB
1.000	100±15	20.0	2.0 65.3	
4.000	-	23.0	4.1	56.3
8.000	-	24.5	5.8	51.3
10.00	-	25.0	6.5	50.3
16.00	-	25.0	8.2	47.3
20.00	-	25.0	9.3	45.8
25.00	-	24.2	10.4	44.3
31.25	-	23.6	11.7	42.9
62.50	-	21.5	17.0	38.4
100.00	-	20.1	22.0	35.3