Trident CAT7a S/FTP LSZH

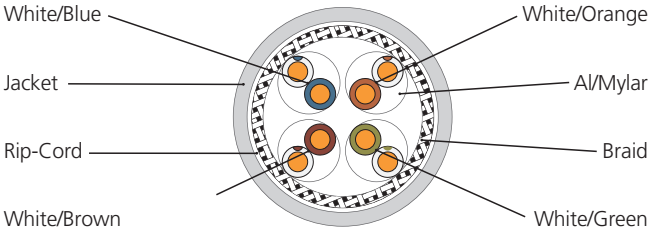
Key Features

- LSZH Sheath (Orange)
- 500mtr reel
- S/FTP Shield
- Metre Marked
- Solid Wire 23 AWG
- 30 Year System Warranty Available

Cable Type:

CAT7a S/FTP LSZH

Part No: TRI-000224



General Description:

Suitable for internal runs, and all installations requiring performances up to 1000MHz S/FTP shielding also helps prevent crosstalk.

Relevant Standards:

ISO/IEC11801, TIA-568-C.2

Cable Construction: Material Breakdown:

Conductor	Solid Bare Copper	
	Nom. O.D. (mm)	0.560 up +0.005 | 0.560 down -0.005
Insulation	Material: Skin-Foam-Skin PE	Diameter: 1.330+0.05mm
Inner Screening Material	Mylar + AL/Mylar	
Outer Screening Material	Tinned Copper 0.10mm	
Sheath	Thickness	0.55 + 0.05mm
	External O.D.	7.6 + 0.5mm
	Surface	Clean
	Material	LSZH (complies RoHS)
	Colour	TBD
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-Brown /Brown	4 White-Green /Green
Packaging	Reel	
	Packing Length: 500m +/- 1.5m	
	Rip Cord: Yes	Drain Wire: No

Tel: 01908 282200 **Fax:** 01908 282205 **Email:** enquiries@dunasfern.com **Web:** www.dunasfern.com

Sheath Physical Properties:

Before Aging Tensile Strength (Mpa)	≥10.0	
Elongation (%)	≥125	
Aging Period (ºC x hrs.)	100ºC x 24h x 7d	
After Aging Tensile Strength (Mpa)	>8.0	
After Aging Elongation (%)	≥100	
Cold bend (-20±2ºC × 4h)	8 × Cable O.D.	No visible cracks

Electrical Characteristics (20ºC):

1.0-100.0 MHz	Impedance (Ω) 100±15
100.0-250.0 MHz	Impedance (Ω) 100±22
250.0-1000.0 MHz	Delay Skew (ns/100m) <25
Unbalanced-to-ground Capacitance (pf/100m)	Max 330
DC Resistance (Ω/100m) max	9.38
DC Conductor Resistance Unbalance (%)max	2.0

Technical Performance (100m):

Frequency (MHz)	RL >dB	ATT (20ºC) <dB	Next ≥dB	Phase Delay ≥dB
1	20.0	-	78.0	570.00
4	23.0	3.74	78.0	552.00
8	24.5	5.24	78.0	547.7
10	25.0	5.86	78.0	545.4
16	25.0	7.41	78.0	543.0
20	25.0	8.29	78.0	542.0
25	24.3	9.29	78.0	541.2
31.25	23.6	10.41	78.0	540.4
62.5	21.5	14.88	75.5	538.6
100	20.1	19.02	72.4	537.9
150	18.9	23.56	69.8	536.9
200	18.0	27.47	67.9	536.5
250	17.3	30.97	66.4	536.3
300	17.3	34.19	65.2	536.1
600	17.3	50.10	60.7	535.5
700	14.2	54.63	59.7	535.4
1000	13.1	66.93	57.3	535.1

Frequency (MHz)	PSNEXT >dB	ELFEXT ≥dB	-	PSELFEXT ≥dB
1	75.0	78.0	-	75.0
4	75.0	78.0	-	75.0
8	75.0	75.9	-	72.9
10	75.0	74.0	-	71.0
16	75.0	69.9	-	66.9
20	75.0	68.0	-	65.0
25	75.0	66.0	-	63.0
31.25	75.0	64.1	-	61.1
62.5	72.5	58.1	-	55.1
100	69.4	54.0	-	51.0
150	66.8	50.2	-	47.2
200	64.9	48.0	-	45.0
250	63.4	46.0	-	43.0
300	62.2	44.5	-	41.5
600	57.7	38.4	-	35.4
700	56.7	37.1	-	34.1
1000	54.4	34.0	-	31.0

Tel: 01908 282200 **Fax:** 01908 282205 **Email:** enquiries@dunasfern.com **Web:** www.dunasfern.com