



CAT6A S/FTP

Solid Core Cable Roll 305m: 23AWG - Grey

4Cabling's CAT6A S/FTP LSZH 305M Ethernet Cable is made from 100% bare copper and supplied on a sturdy plastic reel. It is designed for use in situations where data integrity and transfer speeds are of the utmost importance.

Our cable is independently third party tested and certified to ISO/IEC 11801, TIA/EIA-568-C.2, YD/T 1019; and is RoHS compliant. It features a tighter twist rate, with shielding to reduce signal noise and crosstalk from adjacent pairs within the cable and other external sources. This provides better signal to noise ratio with minimal loss, which translates to fast and reliable data transmission.

FEATURES

- Fully tested at 100M to 10GBASE-T (500MHz) ISO/IEC 11801, TIA/EIA-568-C.2, YD/T 1019 CAT6A standard
- S/FTP - Each twisted pair is wrapped in foil tape and then overall wrapped in flexible yet strong braided shield. This type of shielding provides better grounding and helps prevent EMI from entering or exiting the cable and reduces crosstalk from adjacent pairs within the cable
- Low Smoke Zero Halogen (LSZH) reduces the amount of corrosive and toxic gases emitted during combustion
- Complies with RoHS standards
- 23AWG 100% solid bare copper conductors
- Supports speeds of up to 10Gb/s for up to 100m
- Colour: Grey
- Length: 305m

COMPLIANCES

ISO/IEC 11801, TIA/EIA-568-C.2, YD/T 1019
RoHS Compliant



CONNECT & COLLECT LOCATIONS

4/201 Parramatta Road,
Homebush West NSW 2140

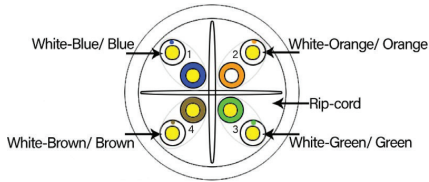
17/428 Old Geelong Road
Hoppers Crossing VIC 3029

2/1277 Lytton Road
Hemmant QLD 4174

1/9 Collingwood Street
Osborne Park WA 6017



CONSTRUCTION & CHARACTERISTICS:

Part #	SLD.C6ASFTP.LSZH.GREY								
Category	S/FTP-CAT6A-4PLSZH-AM30								
Test Standard	ISO.IEC11801.TIA/568-C.2.YD/T1019								
Conductor	Material	SOLID Bare Copper			Technical Performance (100m):				
	Nom.O.D(mm)	0.56	up	0.005					
			down	-0.005	Frequency (MHz)	RL ≥dB	ATT ≤dB	NEXT ≥dB	DELAY ≤ns
Insulation	Material	Skin-foam-skin PE			1	20.0	2.1	74.3	570.0
	Diameter	1.330 ± 0.05mm			4.0	23.0	3.8	65.3	552.0
Inner Screening Material	Aluminium Mylar	Drain wire	TC0.45	8.0	24.5	5.3	60.8	546.7	
				10.0	25.0	5.9	59.3	545.4	
Outer Screening Material	Tinned Copper 0.10mm	Coverage	30%	16.0	25.0	7.5	56.2	543.0	
				20.0	25.0	8.4	54.8	542.1	
Sheath	Thickness	0.55 ± 0.05mm			25.0	24.3	9.4	53.3	541.2
	External O.D.	0.75 ± 0.05mm			31.25	23.6	10.5	51.9	540.4
	Surface	Clean			62.5	21.5	15.0	47.4	538.6
	Material	LSZH (complies RoHS)			100	20.1	19.1	44.3	537.6
	Colour	Grey			200	18.0	27.6	39.8	536.5
Surface Printing	Letter height	3.0 ± 0.3mm			250	17.3	31.1	38.3	536.3
	Colour	Black			300	16.8	34.3	37.1	536.1
	Print error&space	≤ ± 0.5%. 1m			500	15.2	45.3	33.8	535.6
Core Colour	1White/Blue	2White/Orange		Frequency (MHz)	PSNEXT ≥ dB	ELFEXT ≥ dB	PSELFEXT ≥ dB		
	3White/Green	4White/Brown		1	72.3	67.8	64.8		
Length	305 ± 1.0mm				4.0	63.3	55.8	52.8	
Rip-cord	Yes				8.0	58.8	49.7	46.7	
Sheath Physical Properties	Before Aging Tensile Streng (Mpa)			≥ 10.0	10.0	57.3	47.8	44.8	
	Elongation (%)		≥ 125		16.0	54.2	43.7	40.7	
	Aging Period (°C x hrs)		100°Cx24hx7d		20.0	52.8	41.8	38.8	
	After Aging Tensile Streng (Mpa)			≥ 8.0	25.0	51.3	39.8	36.8	
	Elongation (%)		≥ 100		31.25	49.9	37.9	34.9	
	Cold bend (-20 ± 2°Cx4h) 8xCable O.D. No visible cracks				62.5	45.4	31.9	28.9	
Electrical Characteristics (20°C)	Delay Skew (ns/100m)			≤ 45	100	42.3	27.8	24.8	
	Nominal Velocity of Propagation (NVP)			74%	200	37.8	21.8	18.8	
	Unbalanced-to-ground capacitance 9pf/100m) max			330	250	36.3	19.8	16.8	
	DC Resistance (Ω/100m) max			9.38	300	35.1	18.3	15.3	
	DC Conductor Resistance Unbalance max			2.0%	500	31.8	13.8	10.8	



For more information, or if your requirements are not specified please call **1300 855 235** or email **sales@4cabling.com.au** and one of our experienced team members will help you.

