

S/FTP 4Pairs cable-category 6A-LSZH Sheath

P/N:ZL-B0260-2505-001

Content of the Data Sheet

Sheath Printing	TBD									
Customer No.		Customer Reference								
Category	SD S/FTP- CAT6A-4P-LSZH(Dca,s2,d2,a1)									
Reference Standard	ISO/IEC11801 、ANSI/TIA-568.2-D									
Conductor	Material	SOLID-Bare Copper								
	Nom.O.D.(mm)	0.550	up	+0.005						
			down	-0.005						
Insulation	Material	Skin-foam-skin PE								
	Diameter	1.28±0.05 mm								
Screening Material	Al/Mylar	Drain wire	No							
Outer Screening Material	Tinned copper	Coverage	≥20%							
Sheath	Thickness	0.55±0.1 mm			Technical Performance (100m):					
	External O.D.	7.1±0.5 mm			Frequency (MHz)	RL ≥dB	ATT ≤dB	NEXT ≥dB	PHASE DELAY ≤ns	
	Surface	Clean			1	20.0	—	74.3	570	
	Material	LSZH(complies RoHS)			4.0	23.0	3.8	65.3	552	
	Color	TBD			8.0	24.5	5.3	60.8	547	
Surface Printing	Letter height	3.0±0.3mm			10.0	25.0	5.9	59.3	545	
	Color	Black			16.0	25.0	7.5	56.2	543	
	Print error & Space	≤±0.5%, 1m			20.0	25.0	8.4	54.8	542	
					25.0	24.3	9.4	53.3	541	
Core Color	1 White/Blue	2 White/Orange			31.25	23.6	10.5	51.9	540	
	3 White/Green	4 White/Brown			62.5	21.5	15.0	47.4	539	
Packing	Drum				100	20.1	19.1	44.3	538	
Packing length	305 ± 1.5m				200	18.0	27.6	39.8	537	
					250	17.3	31.1	38.3	536	
Rip-cord	Yes				300	16.8	34.3	37.1	536	
Sheath Physical Properties	Before Aging	Tensile Strength (Mpa)	≥10.0		400	15.9	40.1	35.3	536	
		Elongation(%)	≥125		500	15.2	45.3	33.8	536	
	Aging Period (°C × hrs)	100°C × 24h × 7d			Frequency (MHz)	PSNEXT ≥dB	ELFEXT ≥dB	PSELFEXT ≥dB		
	After Aging	Tensile Strength(Mpa)	≥8.0		1	72.3	67.8	64.8		
		Elongation(%)	≥100		4	63.3	55.8	52.8		
Cold bend(-20±2°C×4h)	8×Cable O.D., No visible cracks			8	58.8	49.7	46.7			
Electrical Characteristics (20°C)	Impedance(Ω)	1.0-250.0MHz	100 ± 15		10	57.3	47.8	44.8		
		250.0-500.0MHz	100 ± 22		16	54.2	43.7	40.7		
	1.0-500.0MHz	Delay Skew (ns/100m)	≤45		20	52.8	41.8	38.8		
	unbalanced-to-ground capacitance(pf/km)max	1600		25	51.3	39.8	36.8			
	DC Resistance (Ω/km) max	93.8		31.25	49.9	37.9	34.9			
	Resistance Unbalance within a pair (%) max	2.0		62.5	45.4	31.9	28.9			

Support for POE、POE+、POE++ System IEEE802.3by (Type 4) Max Power up to 100W

Acceptance criterion: FLUKE Permanent link test 90m, pass

Reaction to fire Classification: Dca,s2,d2,a1

Version	A/01	Date	2023-11-08	Revised By	Zhangkun	Audited By	Wangdequan	Approved By	Nidonghua
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