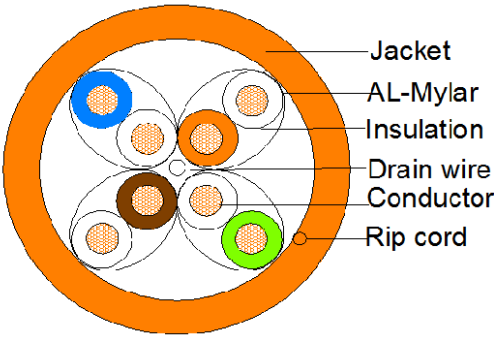


U/FTP 4Pairs cable-category 6A-LSZH Sheath

P/N:G2503-081

Content of the Data Sheet

Sheath Printing	TBD								
Customer No.		Customer Reference							
Category	SD U/FTP- CAT6A-4P-LSZH(Dca,s1,d2,a1)								
Reference Standard	ISO/IEC11801 、ANSI/TIA-568.2-D								
Conductor	Material	SOLID-Bare Copper							
	Nom.O.D.(mm)	0.560	up	+0.005					
			down	-0.005					
Insulation	Material	Skin-foam-skin PE							
	Diameter	1.30±0.05 mm							
Screening Material	Al/Mylar	Drain wire	Yes						
Sheath	Thickness	0.55±0.1 mm			Technical Performance (100m):				
	External O.D.	7.0±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
Rip-cord	Yes				250	17.3	31.1	38.3	536
Sheath Physical Properties	Before Aging	Tensile Strength (Mpa)	≥10.0		300	16.8	34.3	37.1	536
		Elongation(%)	≥125		400	15.9	40.1	35.3	536
	Aging Period (°C × hrs)	100°C × 24h × 7d			500	15.2	45.3	33.8	536
	After Aging	Tensile Strength(Mpa)	≥8.0		Frequency (MHz)	PSNEXT ≥dB	ELFEXT ≥dB	PSELFEXT ≥dB	
		Elongation(%)	≥100		1	72.3	67.8	64.8	
Cold bend(-20±2°C×4h)	8×Cable O.D., No visible cracks			4	63.3	55.8	52.8		
				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	
Reaction to fire Classification: Dca,s1,d2,a1				CPR Part no. G2503-030					
Acceptance criterion: FLUKE Permanent link test 90m, pass									
Version	A/01	Date	2019-08-15	Revised By	Caihangle	Audited By	Yaoyunxiang	Approved By	Wangdequan

Number	Revise Contents	Revise Reasons	Revised By	Audited By	Approved By	Date
A/01	Specification Version 1		Caihanglie	Wangdequan	Nidonghua	2019-08-15