

U/FTP 4Pairs cable-category6A-FR LSZH Sheath

P/N: LG2503-027

Content of the Data Sheet											
Sheath Printing		TBD									
Customer No.			Customer Reference				White/blue White/orange Drain wire Al/Mylar Jacket White/brown Rip-cord White/green				
Category		U/FTP- CAT6A-4P-LSZH(B2ca)									
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		1.330±0.05 mm							
Screening Material		Al/Mylar		Drain wire		Yes					
Sheath		Thickness		0.60±0.1 mm			Technical Performance (100m) :				
		External O.D.		7.4±0.5 mm			Frequency (MHz)	RL ≥dB	ATT ≤dB	NEXT ≥dB	PHASE DELAY ≤ns
		Surface		Clean			1	20.0	—	74.3	570
		Material		FR-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)		≥9.0	300	16.8	34.3	37.1	536
				Elongation (%)		≥100	400	15.9	40.1	35.3	536
		Aging Period (℃×hrs)		100℃×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 (%)		≥70	1	72.3	67.8	64.8	
Electrical Characteristics (20℃)		Cold bend (-20±2℃×4h)		15times cable O.D. No visible cracks			4	63.3	55.8	52.8	
		Impedance(Ω)		1.0-250.0MHz		100±15	8	58.8	49.7	46.7	
				250.0-500.0MHz		100±22	10	57.3	47.8	44.8	
		1.0-500.0MHz		Delay Skew (ns/100m)		≤45	16	54.2	43.7	40.7	
		Unbalanced-to-ground capacitance(pf/100m)max		330			20	52.8	41.8	38.8	
		DC Resistance (Ω/100m) max		9.38			25	51.3	39.8	36.8	
		DC Conductor Resistance Unbalance (%) max		5.0			31.25	49.9	37.9	34.9	
Reaction to fire Classification: B2ca,s1a,d0,a1					CPR Part No. :213661311						
Version	A/02	Date	2024-02-29	Revised By	Hanjunkang	Audited By	Caihanglie	Approved By	Nidonghua		

Number	Revise Contents	Revise Reasons	Revised By	Audited By	Approved By	Date
A/01	Specification Version 1		Caihanglie	Nidonghua	Nidonghua	2017-08-25
A/02	Specification Version 2		Hanjunkang	Caihanglie	Nidonghua	2024-02-29