

U/FTP 4Pairs cable-category6A-LSZH Sheath

P/N: LG2503-042

Content of the Data Sheet											
Sheath Printing		TBD									
Customer No.			Customer Reference				White/blue White/orange Al/Mylar Jacket White/green Rip-cord White/brown Drain wire				
Category		U/FTP- CAT6A-4P-LSZH(Dca)									
Reference Standard		ISO/IEC11801 、 TIA-568-C.2									
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		0.55±0.05 mm			Technical Performance (100m):				
		External O.D.		7.3±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							100	20.1	19.1	44.3	538
							200	18.0	27.6	39.8	537
Packing length							250	17.3	31.1	38.3	536
							300	16.8	34.3	37.1	536
Rip-cord							400	15.9	40.1	35.3	536
							500	15.2	45.3	33.8	536
Sheath Physical Properties		Before Aging Tensile Strength (Mpa)		≥10.0			Frequency (MHz)	PSNEXT ≥dB	ELFEXT ≥dB	PSSELFEXT ≥dB	
		Elongation(%)		≥125			1	72.3	67.8	64.8	
		Aging Period (℃×hrs)		100℃×24h×7d			4	63.3	55.8	52.8	
		After Aging Tensile Strength(Mpa)		≥8.0			8	58.8	49.7	46.7	
		Elongation(%)		≥100			10	57.3	47.8	44.8	
		Cold bend(-20±2℃×4h)		8×Cable O.D., No visible cracks			16	54.2	43.7	40.7	
							20	52.8	41.8	38.8	
Electrical Characteristics (20℃)		Impedance(Ω)		1.0-250.0MHz 100±15			25	51.3	39.8	36.8	
				250.0-500.0MHz 100±22			31.25	49.9	37.9	34.9	
		1.0-500.0MHz Delay Skew (ns/100m)		≤45			62.5	45.4	31.9	28.9	
		unbalanced-to-ground capacitance(pf/100m)max		330			100	42.3	27.8	24.8	
		DC Resistance (Ω/100m) max		9.38			200	37.8	21.8	18.8	
		DC Conductor Resistance Unbalance (%) max		5.0			250	36.3	19.8	16.8	
							300	35.1	18.3	15.3	
Reaction to fire Classification: Dca,s1,d2,a1								400	33.3	15.8	12.8
								500	31.8	13.8	10.8
CPR Part No. G2503-030											
Version	A/01	Date	2017-08-25	Revised By	Caihanglie	Audited By	Nidonghua	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