

U/FTP 4Pairs cable-category6A-LSZH Sheath

P/N: LG2503-010

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								
Reference Standard		ISO/IEC11801 、TIA-568-C.2								
Conductor		Material		SOLID-Bare Copper						
		Nom.O.D.(mm)		0.560	up down					
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		Drum				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		Yes				Frequency (MHz)	PSNEXT ≥dB	ELFEXT ≥dB	PSELFEXT ≥dB	
		Before Aging Tensile Strength (Mpa)		≥10.0		1	72.3	67.8	64.8	
		Elongation(%)		≥125		4	63.3	55.8	52.8	
		Aging Period (°C×hrs)		100℃×24h×7d		8	58.8	49.7	46.7	
		After Aging Tensile Strength(Mpa)		≥8.0		10	57.3	47.8	44.8	
		Elongation(%)		≥100		16	54.2	43.7	40.7	
Electrical Characteristics (20℃)		Cold bend(-20±2℃×4h)		8×Cable O.D., No visible cracks		20	52.8	41.8	38.8	
		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	
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