

U/FTP 4Pairs cable-category6A-LSZH Sheath

P/N: LG2503-033

Content of the Data Sheet

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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(Cca,s1,d1,a1)											
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		0.70±0.1 mm		Technical Performance (100m):							
		External O.D.		7.5±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				
Electrical Characteristics (20℃)		Cold bend(-20±2°C×4h)		8×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						
				62.5	45.4	31.9	28.9						
				100	42.3	27.8	24.8						
				200	37.8	21.8	18.8						
				250	36.3	19.8	16.8						
				300	35.1	18.3	15.3						
				400	33.3	15.8	12.8						
				500	31.8	13.8	10.8						
Reaction to fire Classification: Cca,s1,d1,a1					CPR Part No. G2503-072								
Version	A/01	Date	2019-08-15	Revised By	Caihanglie	Audited By	Nidonghua	Approved By	Nidonghua				

umber	Revise Contents	Revise Reasons	Revised By	Audited By	Approved By	Date
A/01	Specification Version 1		Caihangle	Nidonghua	Nidonghua	2019-08-15