

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

Content of the Data Sheet												
Sheath Printing		TBD										
Customer No.			Customer Reference		White/blue White/orange Drain wire Al/Mylar Jacket White/brown White/green Rip-cord							
Category		U/FTP- CAT6A-4P-LSZH(B2ca)										
Reference Standard		ISO/IEC11801、TIA-568-.2-D										
Conductor		Material		SOLID-Bare Copper								
		Nom.O.D.(mm)		0.560	up down	+0.005 -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.		7.6±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)		≥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 PSNEXT ELFEXT PSELFEXT				
				Elongation (%)		≥70		(MHz)	≥dB	≥dB	≥dB	
Electrical Characteristics (20℃)		Cold bend (-20±2℃ ×4h)		15times cable O.D. No visible cracks				1	72.3	67.8	64.8	
		Impedance(Ω)		1.0-250.0MHz		100 ±15		4	63.3	55.8	52.8	
				250.0-500.0MHz		100 ±22		8	58.8	49.7	46.7	
		1.0-500.0MHz		Delay Skew (ns/100m)		≤45		10	57.3	47.8	44.8	
		Unbalanced-to-ground capacitance(pf/100m)max		330		16	54.2	43.7	40.7			
		DC Resistance (Ω/100m) max		9.38		20	52.8	41.8	38.8			
		DC Conductor Resistance Unbalance (%) max		5.0		25	51.3	39.8	36.8			
						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: B2ca,s1a,d1,a1					CPR Part no. G2503-038							
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