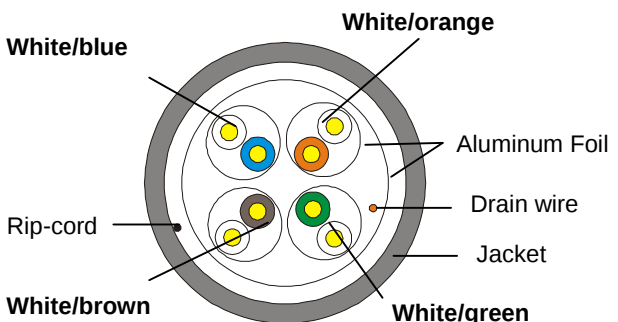


F/FTP 4Pairs cable-category 6A-LSZH Sheath

P/N: ZL-103-C6A-003-00

Date	Author	Review	Approve	Version	Revision Declaration				
2013-10-11	Caihanglie	Nidonghua	Wangfuzhu	A0					
Content of the Data Sheet									
Sheath Printing	It will be printed as customer's requirement with batch produce.								
Customer reference									
Category	F/FTP CAT6A-4P-LSZH								
Test Standard	ISO/IEC11801、TIA-568-C.2 、YD/T1019								
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	Aluminum Foil	Drain wire	TC 0.45mm						
Sheath	Thickness	0.55±0.05 mm			Technical Performance (100m):				
	External O.D.	7.5±0.5 mm			Frequency RL ATT NEXT DELAY				
	Surface	Clean			(MHz)	≥dB	≤dB	≥dB	≤ns
	Material	LSZH(complies RoHS)			1	20.0	2.1	74.3	570.0
	Color	According to the requires			4.0	23.0	3.8	65.3	552.0
Surface Printing	Letter height	3.0±0.3mm			8.0	24.5	5.3	60.8	546.7
	Color	Black			10.0	25.0	5.9	59.3	545.4
	Print error & Space	≤±0.5%, 1m			16.0	25.0	7.5	56.2	543.0
					20.0	25.0	8.4	54.8	542.1
Core Color (With striped color)	1 White/Blue	2 White/Orange		25.0	24.3	9.4	53.3	541.2	
	3 White/Green	4 White/Brown		31.25	23.6	10.5	51.9	540.4	
Packing	Wooden Tray			62.5	21.5	15.0	47.4	538.6	
Wooden Tray dimension	According to the requires			100	20.1	19.1	44.3	537.6	
Packing length	305±1.0m			200	18.0	27.6	39.8	536.5	
Rip-cord	Yes			250	17.3	31.1	38.3	536.3	
Sheath Physical Properties	Before Aging Tensile Strength (Mpa) ≥10				300	16.8	34.3	37.1	536.1
	Elongation (%) ≥125				500	15.2	45.3	33.8	535.6
	Aging Period (℃×hrs) 100℃×24h×7d				Frequency PSNEXT ELFEXT PSELFEXT				
	After Aging Tensile Strength (Mpa) ≥8.0				(MHz)	≥dB	≥dB	≥dB	
	Elongation (%) ≥100				1	72.3	67.8	64.8	
Electrical Characteristics (20℃)	Cold bend (-20±2℃×4h) 8×Cable O.D. No visible cracks				4	63.3	55.8	52.8	
	Delay Shew (ns/100m) ≤45				8	58.8	49.7	46.7	
	Velocity of Propagation (%) 74				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	
Electrical Characteristics (20℃)	DC Conductor Resistance Unbalance (%) max 2.0				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		
				500	31.8	13.8	10.8		