



L&W ELECTRONICAL INDUSTRIAL LIMITED

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

Product Description: Rated temperature: 90℃ Reference Standard:UL444,UL1581 Bare solid copper conductor Rohs/REACH complied LSZH Jacket Flame Test: IEC60332-1 ,IEC60332-3C CMX Installation temperature:-30℃~+50℃	Application: Volp , ISDN Token , 100M TP-PDM Analog and Data Video TR-16 Active And Passive 155M/662m/1.2GATM IEEE802.3: 100Base;100Base-T 1000Base-T 10GBase-T
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Content of the Data Sheet

Category	U/FTP-CAT6A-4P-LSZH						
Test Standard	ISO/IEC11801、TIA-568-C.2 、 YD/T1019						
Conductor	Material	SOLID-Bare Copper					
	Nom.O.D.(mm)	0.570	<table border="1"> <tr> <td>up</td> <td>+0.005</td> </tr> <tr> <td>down</td> <td>-0.005</td> </tr> </table>		up	+0.005	down
up	+0.005						
down	-0.005						
Insulation	Material	Skin-foam-skin PE					
	Diameter	1.350±0.05 mm					
Screening	Aluminum Foil	Drain wire	TC 0.45mm				
Material	Thickness	0.55±0.05 mm		Sheath Physical Properties	Before Aging Tensile Strength (Mpa) ≥10.0 Elongation (%) ≥125		
	External O.D.	7.4±0.5 mm			Aging Period (°C×hrs) 100°C×24h×7d		
	Surface	Clean			After Aging Tensile Strength (Mpa) ≥ 8.0 Elongation (%) ≥100		
	Material	LSZH			Cold bend (-20±2°C×4h) 8×Cable O.D., No visible cracks		
	Color	According to the requires			Delay Shew (ns/100m) ≤45		
Surface Printing	Letter height	3.0±0.3mm		Electrical Characteristics (20℃)	Velocity of Propagation (%) 74		
	Color	Black			unbalanced-to-ground capacitance (pf/100m) max 330		
	Print error & Space	≤±0.5%, 1m			DC Resistance (Ω/100m) max 9.38		
Core Color (With striped color)	1 White/Blue	2 White/Orange		DC Conductor Resistance Unbalance (%) max 2.0			
	3 White/Green	4 White/Brown					
Packing	Wooden Tray						
Wooden Tray dimension	According to the requires						
Packing length	305±1.0m						
Rip-cord	Yes						

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Technical Performance (100m):								
Frequency (MHz)	RL \geq dB	ATT \leq dB	NEXT \geq dB	PHASE DELAY \leq ns	Frequency (MHz)	PSNEXT \geq dB	ELFEXT \geq dB	PSELFEXT \geq dB
1	20.0	2.1	74.3	570.0	1	72.3	68.0	65.0
4.0	23.0	3.8	65.3	552.0	4	63.3	56.0	53.0
8.0	24.5	5.3	60.8	546.7	8	58.8	49.9	46.9
10.0	25.0	5.9	59.3	545.4	10	57.3	48.0	45.0
16.0	25.0	7.5	56.2	543.0	16	54.2	43.9	40.9
20.0	25.0	8.4	54.8	542.1	20	52.8	42.0	39.0
25.0	24.3	9.4	53.3	541.2	25	51.3	40.0	37.0
31.25	23.6	10.5	51.9	540.4	31.25	49.9	38.1	35.1
62.5	21.5	15.0	47.4	538.6	62.5	45.4	32.1	29.1
100	20.1	19.1	44.3	537.6	100	42.3	28.0	25.0
200	18.0	27.6	39.8	536.5	200	37.8	22.0	19.0
250	17.3	31.1	38.3	536.3	250	36.3	20.0	17.0
300	16.8	34.3	37.1	536.1	300	35.1	18.5	15.5
500	15.2	45.3	33.8	535.6	500	31.8	14.0	11.0