



L&W ELECTRONICAL INDUSTRIAL LIMITED

S/FTP 4Pairs cable-category 7-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: 100Bease;100Base-T 1000Base-T 10GBase-T			
Content of the Data Sheet							
Category	S/FTP-CAT7-4P-LSZH-TC40						
Test Standard	ISO/IEC 61156-5;EN 50288-4 ,YD/T1019						
Conductor	Material	SOLID-Bare Copper					
	Nom.O.D.(mm)	0.580	up	+0.005			
			down	-0.005			
Insulation	Material	Skin-foam-skin PE					
	Diameter	1.350±0.05 mm					
Inner Screening Material	Aluminum Foil	Drain wire	No				
Outer Screening	Tinned copper 0.10mm	Coverage	≥40%				
Sheath	Material	Thickness	0.55±0.05 mm				
		External O.D.	7.9±0.5 mm				
		Surface	Clean				
		Material	LSZH				
		Color	According to the requires				
Surface Printing	Letter height	3.0±0.3mm					
	Color	Black					
	Print error & Space	≤±0.5%, 1m					
Core Color	1 White/Blue		2 White/Orange				
	3 White/Green		4 White/Brown				
Packing	Wooden Tray & Carton						
Wooden Tray dimension	According to the requires						
Packing length	305±1.0m						
Rip-cord	Yes						
				Sheath Physical Propertie	Before Aging Tensile Strength (Mpa)	≥10.0	
					Elongation (%)	≥125	
					Aging Period (℃×hrs)	100℃×24h×7d	
					After Aging Tensile Strength (Mpa)	≥8	
					Elongation (%)	≥100	
Surface Printing	Cold bend (-20±2℃×4h)	8×Cable O.D. , No visible cracks					
	Impedance(Ω) :	(1-100MHz) 100±15Ω (100-250MHz) 100±18Ω (250-600MHz) 100±25Ω					
	Delay Shew (ns/100m)	≤25					
Electrical Characteristics (20℃)	Velocity of Propagation (%)	74					
	unbalanced-to-ground capacitance (pf/100m) max	330					
	DC Resistance (Ω/100m) max	9.5					
	DC Conductor Resistance Unbalanc (%) max	2.0					

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Technical Performance (100m):

Frequency (MHz)	RL (dB)	ATT (dB)	NEXT (dB)	PHASE DELAY (ns)	Frequency (MHz)	PSNEXT (dB)	ELFEXT (dB)	PSELFEXT (dB)
1.0	≥20.0	≤2.0	≥78.0	≤570.0	1	≥75.0	≥78.0	≥75.0
4.0	≥23.0	≤3.74	≥78.0	≤552.0	4	≥75.0	≥78.0	≥75.0
8.0	≥24.5	≤5.24	≥78.0	≤546.7	8	≥75.0	≥75.9	≥72.9
10.0	≥25.0	≤5.86	≥78.0	≤545.4	10	≥75.0	≥74.0	≥71.0
16.0	≥25.0	≤7.41	≥78.0	≤543.0	16	≥75.0	≥69.9	≥66.9
20.0	≥25.0	≤8.29	≥78.0	≤542.0	20	≥75.0	≥68.0	≥65.0
25.0	≥24.3	≤9.29	≥78.0	≤541.2	25	≥75.0	≥66.0	≥63.0
31.25	≥23.6	≤10.41	≥78.0	≤540.4	31.25	≥75.0	≥64.1	≥61.1
62.5	≥21.5	≤14.88	≥75.5	≤538.6	62.5	≥72.5	≥58.1	≥55.1
100	≥20.1	≤19.02	≥72.4	≤537.6	100	≥69.4	≥54.0	≥51.0
150	≥18.9	≤23.56	≥69.8	≤536.9	150	≥66.8	≥50.2	≥47.2
200	≥18.0	≤27.47	≥67.9	≤536.5	200	≥64.9	≥48.0	≥45.0
250	≥17.3	≤30.97	≥66.4	≤536.3	250	≥63.4	≥46.0	≥43.0
300	≥17.3	≤34.19	≥65.2	≤536.1	300	≥62.2	≥44.5	≥41.5
600	≥17.3	≤50.10	≥60.7	≤535.5	600	≥57.7	≥38.4	≥35.4