



L&W ELECTRONICAL INDUSTRIAL LIMITED

DUPLEX S/FTP 4Pairs cable-category 7-LSZH Sheath

Product Description: Rated temperature: 90°C Reference Standard: UL444,UL1581 Bare solid copper conductor Rohs/REACH complied LSZH Jacket Flame Test: IEC60332-1 ,IEC60332-3C Installation temperature: -30°C~+50°C				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							
Content of the Data Sheet											
Category	DUPLEX 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 Material	Tinned copper 0.10mm	Coverage	≥40%								
Sheath	Thickness	0.55±0.05 mm									
	External O.D.	(7.9-16.8)±0.5 mm									
	Surface	Clean									
	Material	LSZH									
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 Properties Before Aging Tensile Strength (Mpa) ≥10.0 Elongation (%) ≥125 Aging Period (°C×hrs) 100°C×24h×7d After Aging Tensile Strength (Mpa) ≥8 Elongation (%) ≥100 Cold bend (-20±2°C×4h) 8×Cable O.D., No visible cracks							
								Electrical Characteristics (20°C) Impedance(Ω) : (1-100MHz) 100±15Ω (100-250MHz) 100±18Ω (250-600MHz) 100±25Ω Delay Shew (ns/100m) ≤25 Velocity of Propagation (%) 74 Capacitance(nF/100m) max: 5.6 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 \geq dB	ATT \leq dB	NEXT \geq dB	PHASE DELAY \leq ns	Frequency (MHz)	PSNEXT \geq dB	ELFEXT \geq dB	PSELFEXT \geq 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