



L&W ELECTRONICAL INDUSTRIAL LIMITED

S/FTP 4Pairs cable-category 7-PVC Sheath

Product Description: Rated temperature: 60°C, 75°C, 90°C Reference Standard: UL444, UL1581, UL1666 Bare solid copper conductor Rohs/REACH complied PVC Jacket Flame Test: CMX, CM, CMR 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
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Content of the Data Sheet

Category	S/FTP-CAT7-4P-PVC-TC40						
Test Standard	ISO/IEC 61156-5; EN 50288-4, YD/T 1019						
Conductor	Material	SOLID-Bare Copper					
	Nom.O.D.(mm)	0.580	<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					
Inner Screening Material	Aluminum Foil	Drain wire	No				
Outer Screening	Tinned copper 0.10mm	Coverage	≥40%	Sheath Physical Properties Before Aging Tensile Strength (Mpa) ≥13.5 Elongation (%) ≥150 Aging Period (°C×hrs) 100°C×24h×7d After Aging Tensile Strength (Mpa) ≥12.5 Elongation (%) ≥125 Cold bend (-20±2°C×4h) 8×Cable O.D., No visible cracks			
Sheath	Material	Thickness	0.55±0.05 mm				
	External O.D.	7.9±0.5 mm					
	Surface	Clean					
	Material	PVC					
Surface Printing	Color	According to the requires					
	Letter height	3.0±0.3mm					
	Color	Black					
Core Color	Print error & Space	≤±0.5%, 1m		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 unbalanced-to-ground capacitance (pf/100m) max 330 DC Resistance (Ω/100m) max 9.5 DC Conductor Resistance Unbalanc (%) max 2.0			
	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						

LAN CABLE

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