



L&W ELECTRONICAL INDUSTRIAL LIMITED

F/FTP 4Pairs cable-category 6A-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-T 100Base-T 1000Base-T 10GBase-T
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Content of the Data Sheet

Category	F/FTP CAT6A-4P-PVC						
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 Material	Aluminum Foil	Drain wire	TC 0.45mm				
Sheath	Thickness	0.55±0.05 mm		Sheath Physical Properties Before Aging Tensile Strength (Mpa) ≥13.5 Elongation (%) ≥100 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			
	External O.D.	7.6±0.5 mm					
	Surface	Clean					
	Material	PVC					
	Color	According to the requires					
Surface Printing	Letter height	3.0±0.3mm		Electrical Characteristics (20°C) Delay Shew (ns/100m) ≤45 Velocity of Propagation (%) 74 Capacitance(nF/100m) max: 5.6 unbalanced-to-ground capacitance(pf/100m)max 330 DC Resistance (Ω/100m) max 9.38 DC Conductor Resistance Unbalance (%) max 2.0			
	Color	Black					
	Print error & Space	≤±0.5%, 1m					
Core Color (With striped color)	1 White/Blue	2 White/Orange					
	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	67.8	64.8
4.0	23.0	3.8	65.3	552.0	4	63.3	55.8	52.8
8.0	24.5	5.3	60.8	546.7	8	48.8	49.7	46.7
10.0	25.0	5.9	59.3	545.4	10	57.3	47.8	44.8
16.0	25.0	7.5	56.2	543.0	16	54.2	43.7	40.7
20.0	25.0	8.4	54.8	542.1	20	52.8	41.8	38.8
25.0	24.3	9.4	53.3	541.2	25	41.3	39.8	36.8
31.25	23.6	10.5	51.9	540.4	31.25	49.9	37.9	34.9
62.5	21.5	15.0	47.4	538.6	62.5	45.4	31.9	28.9
100	20.1	19.1	44.3	537.6	100	42.3	27.8	24.8
200	18.0	27.6	39.8	536.5	200	37.8	21.8	18.8
250	17.3	31.1	38.3	536.3	250	36.3	19.8	16.8
300	16.8	34.3	37.1	536.1	300	35.1	18.3	15.3
500	15.2	45.3	33.8	535.6	500	31.8	13.8	10.8