



# L&W ELECTRONICAL INDUSTRIAL LIMITED

## U/FTP 4Pairs cable-category 6A-PVC Sheath

<b>Product Description:</b> 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	<b>Application:</b> 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-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	Aluminum Foil	Drain wire	TC 0.45mm				
Material	Thickness	0.55±0.05 mm		Sheath Physical Properties	Before Aging Tensile Strength (Mpa) ≥13.5 Elongation (%) ≥150		
	External O.D.	7.4±0.5 mm			Aging Period (°C×hrs) 100°C×24h×7d		
	Surface	Clean			After Aging Tensile Strength (Mpa) ≥ 12.5 Elongation (%) ≥125		
	Material	PVC			Cold bend (-20±2°C×4h) 8×Cable O.D., No visible cracks		
	Color	According to the requires			Delay Shew (ns/100m) ≤45 Velocity of Propagation (%) 74		
Surface Printing	Letter height	3.0±0.3mm		Electrical Characteristics (20°C)	unbalanced-to-ground capacitance (pf/100m) max 330		
	Color	Black			DC Resistance (Ω/100m) max 9.38		
	Print error & Space	≤±0.5%, 1m			DC Conductor Resistance Unbalance (%) max 2.0		
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						

# LAN CABLE

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