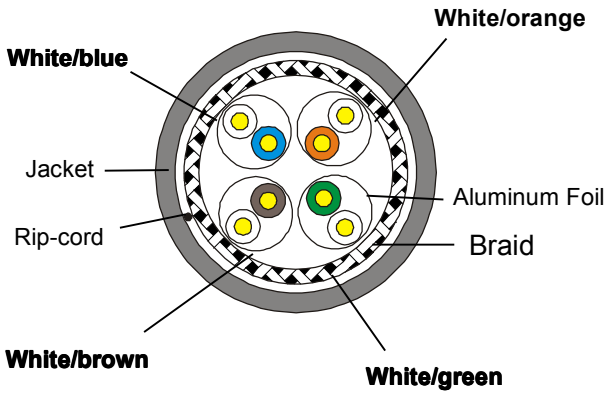
L&W ELECTRONICAL INDUSTRIAL LIMITED

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

Product Description: Rated temperature:60℃,75℃, 90℃ Reference Standard:UL444,UL1581 ,UL1666 Bare solid copper conductor Rohs/REACH complied PVC Jacket Flame Test: CMX,CM,CMR Installation temperature:-30℃～+50℃	Application： Volp , ISDN Token , 100M TP-PDM Analong 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-CAT7A-4P-PVC-TC40			
Test Standard	ISO/IEC 61156-5;EN 50288-4 ,YD/T1019			
Conductor	Material	SOLID-Bare Copper		
	Nom.O.D.(mm)	0.560	up	+0.005
			down	-0.005
Insulation	Material	Skin-foam-skin PE		
	Diameter	1.330±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.	7.8±0.5 mm		
	Surface	Clean		
	Material	PVC		
	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 Properties	Before Aging Tensile Strength (Mpa) ≥13.5 Elongation (%) ≥150
	Aging Period (℃×hrs) 100℃×24h×7d
	After Aging Tensile Strength (Mpa) ≥12.5 Elongation (%) ≥125
	Cold bend (-20±2℃×4h) 8×Cable O.D No visible cracks
Electrical Characteristics (20℃)	Impedance(Ω) : (1-100MHz) 100±15Ω (100-250MHz) 100±18Ω (250-1000MHz) 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

Technical Performance (100m):

Frequency (MHz)	RL ≥dB	ATT ≤dB	NEXT ≥dB	PHASE DELAY ≤ns
1.0	20.0	2.0	78.0	570.0
4.0	23.0	3.74	78.0	552.0
8.0	24.5	5.24	78.0	546.7
10.0	25.0	5.86	78.0	545.4
16.0	25.0	7.41	78.0	543.0
20.0	25.0	8.29	78.0	542.0
25.0	24.3	9.29	78.0	541.2
31.25	23.6	10.41	78.0	540.4
62.5	21.5	14.88	75.5	538.6
100	20.1	19.02	72.4	537.6
150	18.9	23.56	69.8	536.9
200	18.0	27.47	67.9	536.5
250	17.3	30.97	66.4	536.3
300	16.8	34.19	65.2	536.1
600	14.7	50.10	60.7	535.5
1000	13.1	66.93	57.4	535.1

Frequency (MHz)	PSNEXT ≥dB	ELFEXT ≥dB	PSELFEXT ≥dB
1	75.0	78.0	75.0
4	75.0	78.0	75.0
8	75.0	75.9	72.9
10	75.0	74.0	71.0
16	75.0	69.9	66.9
20	75.0	68.0	65.0
25	75.0	66.0	63.0
31.25	75.0	64.1	61.1
62.5	72.5	58.1	55.1
100	69.4	54.0	51.0
150	66.8	50.2	47.2
200	64.9	48.0	45.0
250	63.4	46.0	43.0
300	62.2	44.5	41.5
600	57.7	38.4	35.4
1000	54.4	34.0	31.0