



L&W ELECTRONICAL INDUSTRIAL LIMITED

REF : F/UTP cable - category 5 - 25 Pair Unshielded – PE Sheath

Product Description: Bare solid copper conductor Rohs/REACH complied PEJacket Installation temperature: -30℃~+50℃	Application: Ethernet 10 Base-T 100 Base-T4 ATM TP-PMD Seppch TELEPHONE Multimedia Trunk Kiring
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Content of the Data Sheet

Category	F/UTP CAT5-25P-PE					
Test Standard	ISO/IEC11801, TIA-568-C.2 & YD/T1019					
1. Conductor	Material	SOLID-Bare Copper				
	Nom. O.D. (mm)	0.500	Up Down			+0.005mm -0.005mm
2. Insulation	Material		HDPE			
	Diameter	1.00±0.02mm				
Color	Bl./ Wh.-Bl. Ora./Wh.-Ora. Gn./Wh.-Gn. Br./Wh.-Br. Gr./Wh.-Gr. Bl./ Re.-Bl. Ora./ Re.-Ora. Gn./ Re.-Gn. Br./Re.-Br. Gr./ Re.-Gr. Bl./ Bla.-Bl. Ora./ Bla.-Ora. Gn./ Bla.-Gn. Br./ Bla.-Br. Gr./ Bla.-Gr. Bl./ Yel.-Bl. Ora./ Yel.-Ora. Gn./ Yel.-Gn. Br./ Yel.-Br. Gr./ Yel.-Gr. Bl./ Pur.-Bl. Ora./ Pur.-Ora. Gn./ Pur.-Gn. Br./ Pur.-Br. Gr./ Pur.-Gr.					
3. Rip-cord	Yes	Drain wire	TC 0.45	Sheath Physical Properties		Before Aging Tensile Strength (Mpa) ≥10.0 Elongation (%) ≥350
4. Shielded	PET+AL Foil					Aging Period (°C × hrs) 100°C × 24h × 10d After Aging Elongation (%) ≥300 Cold bend (-20 ± 2 °C × 4h) 15times cable O.D. No visible cracks
5. Sheath	Thickness	1.0±0.2 mm		Electrical Characteristics (20°C)		1.0-100.0MHz, Impedance (Ω) 100±15
	External O.D.	14.2±0.8 mm			Delay Shew 20°C(ns/100m) ≤45	
	Surface	Clean, Frap, Satiation			NVP 69%	
	Material	PE			Capacitance(nF/100m) max: 5.6	
	Color	Multiple			DC Resistance 20°C(Ω/100m) max 9.5	
Surface Printing	Letter height	3.0±0.3mm			DC Conductor Resistance Unbalance (%)max 5	
	Color	Black				
	Print error & Space	≤±0.5%, 1m				
Packing	Drum in Carton					
Packing length	305±1.5m / 500±2.5m					

Note: Structure: a. be tied up with White/Blue Identification tape, b. be tied up with White/Orange Identification tape, c. be tied up with White/Green Identification tape, d. be tied up with White/Brown Identification tape, e. be tied up with White/Gray Identification tape,

Acceptance criterion: Per 4Pair pass FLUKE test instrument.

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	17.0	2.0	62.3	570.00	1	62.3	61.0	61.0
4.0	18.8	4.1	53.3	552.00	4	53.3	49.0	49.0
8.0	19.7	5.8	48.8	546.73	8	48.8	42.9	42.9
10.0	20.0	6.5	47.3	545.38	10	47.3	41.0	41.0
16.0	20.0	8.2	44.2	543.00	16	44.4	36.9	36.9
20.0	20.0	9.3	42.8	542.05	20	42.8	35.0	35.0
25.0	19.3	10.4	41.3	541.20	25	41.3	33.8	33.0
31.25	18.6	11.7	39.9	540.44	31.25	39.9	31.1	31.1
62.5	16.5	17.0	35.4	538.55	62.5	35.4	25.1	25.1
100	15.1	22.0	32.3	537.60	100	32.3	21.0	21.0