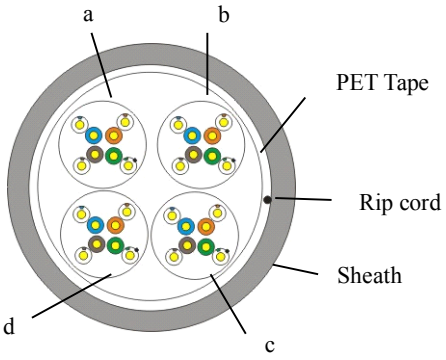
L&W ELECTRONICAL INDUSTRIAL LIMITED

REF : U/UTP - category 5 - 16 Pair Unshielded – 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： Ethernet 10 Base-T 100 Base-T4 ATM TP-PMD Seppch TELEPHONE Multimedia Trunk Kiring

Content of the Data Sheet

Category	U/UTP CAT5-16P-PVC			
Test Standard	ISO/IEC11801, TIA-568.C.2 , YD/T1019			
1.Conductor	Material	SOLID-Bare Copper		
	Nom. O.D. (mm)	0.50	Up	+0.005mm
			Down	-0.005mm
2.Insulation	Material	HDPE		
	Diameter	0.90±0.02mm		
Color	A.Blue, White-Blue	B.Orange,White-Orange		
	C.Green,White-Green	D.Brown, White-Brown		
3.Rip-cord	Yes	Drain wire	No	
4.Shielded	Polyester			
5.Sheath	Thickness	1.0±0.2 mm		
	External O.D.	10.5±0.4 mm		
	Surface	Clean,Frap,Satiation		
	Material	PVC		
	Color	Multiple		
Surface Printing	Letter height	3.0±0.3mm		
	Color	Black		
	Print error & Space	≤±0.5%，1m		
Packing	Drum in Carton			
Packing length	305±1.5m / 500±2.5m			



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
Electrical Characteristics (20℃)	Cold bend (-20±2℃×4h) 15times cable O.D. No visible cracks	
	1.0-100.0MHz Impedance(Ω)	100±15
	Delay Shew (ns/100m)	⩽45
	NVP	69%
	Capacitance(nF/100m) max:	6.6
	DC ResistanceΩ/100m) max	9.5
	DC Conductor Resistance Unbalance(%) max	5.0

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,
Acceptance criterion: Per 4Pair pass FLUKE test instrument.

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Electrical Performance (100m):

Frequency (MHz)	RL ≥dB	ATT ≤dB	NEXT ≥dB	PHASE DELAY ≤ns
1	17.0	2.0	62.3	570.00
4.0	18.8	4.1	53.3	552.00
8.0	19.7	5.8	48.8	546.73
10.0	20.0	6.5	47.3	545.38
16.0	20.0	8.2	44.2	543.00
20.0	20.0	9.3	42.8	542.05
25.0	19.3	10.4	41.3	541.20
31.25	18.6	11.7	39.9	540.44
62.5	16.5	17.0	35.4	538.55
100	15.1	22.0	32.3	537.60

Frequency (MHz)	PSNEXT ≥dB	ELFEXT ≥dB	PSELFEXT ≥dB
1	62.3	61.0	61.0
4	53.3	49.0	49.0
8	48.8	42.9	42.9
10	47.3	41.0	41.0
16	44.4	36.9	36.9
20	42.8	35.0	35.0
25	41.3	33.8	33.0
31.25	39.9	31.1	31.1
62.5	35.4	25.1	25.1
100	32.3	21.0	21.0