



REF : U/UTP - category 5 - 16 Pair Unshielded – LSZH Sheath

Product Description: Rated temperature: 90°C Reference Standard: UL444,UL1581 Bare solid copper conductor Rohs/REACH complied LSZH Jacket Flame Test: IEC60332-1 ,IEC60332-3C Installation temperature: -30°C~+50°C	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	U/UTP CAT5-16P-LSZH																		
Test Standard	ISO/IEC11801, TIA-568.C.2 , YD/T1019																		
1. Conductor	Material	SOLID-Bare Copper																	
	Nom. O.D. (mm)	0.50	<table border="1"> <tr> <td>Up</td> <td>+0.005mm</td> </tr> <tr> <td>Down</td> <td>-0.005mm</td> </tr> </table>		Up	+0.005mm	Down	-0.005mm											
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			Sheath Physical Properties															
5. Sheath	Thickness	1.0±0.2 mm			<table border="1"> <tr> <td>Before Aging</td> <td>Tensile Strength (Mpa)</td> <td>≥10.0</td> </tr> <tr> <td></td> <td>Elongation (%)</td> <td>≥125</td> </tr> <tr> <td colspan="2">Aging Period (°C×hrs)</td> <td>100°C×24h×7d</td> </tr> <tr> <td>After Aging</td> <td>Tensile Strength (Mpa)</td> <td>≥8.0</td> </tr> <tr> <td></td> <td>Elongation (%)</td> <td>≥100</td> </tr> </table>	Before Aging	Tensile Strength (Mpa)	≥10.0		Elongation (%)	≥125	Aging Period (°C×hrs)		100°C×24h×7d	After Aging	Tensile Strength (Mpa)	≥8.0		Elongation (%)
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External O.D.	10.5±0.4 mm		Electrical Characteristics (20°C)																
Surface	Clean, Frap, Satiation			Cold bend (-20±2°C×4h) 15times cable O.D. No visible cracks															
Material	LSZH			1.0-100.0MHz Impedance(Ω) 100±15															
Surface Printing	Color	Multiple		Delay Shew (ns/100m) ≤45															
	Letter height	3.0±0.3mm		NVP 69%															
	Color	Black		Capacitance(nF/100m) max: 6.6															
Packing	Print error & Space	≤±0.5%, 1m		DC Resistance(Ω/100m) max 9.5															
	Drum in Carton																		
Packing length	305±1.5m / 500±2.5m			DC Conductor Resistance Unbalance(%) max5.0															

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.

LAN CABLE

Electrical 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