



REF : U/UTP - category 5 - 50 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
--	--

Content of the Data Sheet

Category	U/UTP CAT5-50P-LSZH						
Test Standard	ISO/IEC11801, TIA- 568-C.2 YD/T1019						
1.Conductor	Material	SOLID-Bare Copper					
	Nom. O.D. (mm)	0.500	<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
Up	+0.005mm						
Down	-0.005mm						
2.Insulation	Material	HDPE					
	Diameter	0.90±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.			Sheath Physical Properties			
3.Rip-cord	Yes	Drain wire	No				
4.Shielded	Polyester						
5.Sheath	Thickness	1.0±0.2 mm					
	External O.D.	17.3±0.8 mm					
	Surface	Clean,Frap,Satiation					
	Material	LSZH					
	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						
				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 (%) ≥100 Cold bend (-20 ± 2°C × 4h) 15times cable O.D. No visible cracks 1.0-100.0MHz, Impedance (Ω) 100 ± 15 Delay Shew 20°C (ns/100m) ≤45 NVP 69% Capacitance(nF/100m) max: 5.6 DC Resistance 20°C (Ω/100m) max 9.5 DC Conductor Resistance Unbalance (%)max 5			
				Electrical Characteristics (20°C)			

Note: Structure: a. 1-5P be tied up with White/Blue Identification tape, b. 6-10P be tied up with White/Orange Identification tape, c. 11-15P be tied up with White/Green Identification tape, d. 16-20P be tied up with White/Brown Identification tape, e. 21-25P be tied up with White/Gray Identification tape, f. 26-30P be tied up with Red/Blue Identification tape g. 31-35P be tied up with Red/Orange Identification tape, h. 36-40P be tied up with Red/Green Identification tape, i. 41-45P be tied up with Red/Brown Identification tape, j. 46-50P be tied up with Red/Gray Identification tape

Acceptance criterion: Per 4Pair pass FLUKE test instrument.

LAN CABLE

Technical Performance (100m):

Frequency	RL	ATT	NEXT	PHASE DELAY	Frequency	PSNEXT	ELFEXT	PSELFEXT
(MHz)	dB	dB	dB	ns	(MHz)	dB	dB	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