



REF : F/UTP cable - category 5 - 25 Pair(6*4+1) 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	F/UTP CAT5-25P-LSZH			
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	
2.Insulation	Material	HDPE		
	Diameter	1.00±0.02mm		
Color	Blue, White-Blue	Orange, White-Orange		Sheath Physical Properties 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
	Green, White-Green	Brown, White-Brown		
3.Rip-cord	Yes	Drain wire	TC 0.45	
4.Shielded	PET+AL Foil			
5.Sheath	Thickness	1.0±0.2 mm		
	External O.D.	14.6±0.8 mm		
	Surface	Clean, Frap, Satiation		
	Material	LSZH		
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			

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, c. be tied up with White/Gray identification tape, d. be tied up with Red/Blue 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