



REF : F/UTP cable - category 5 - 25 Pair(6*4+1) 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	<table border="1" style="width: 100%;"> <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	1.00±0.02mm					
Color	Blue, White-Blue	Orange, White-Orange					
	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	PE					
	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						

Physical Properties	Before Aging	Tensile Strength (Mpa)	≥ 10.0
		Elongation (%)	≥ 350
Electrical Characteristics (20℃)	Aging Period (℃×hrs)	100℃×24h×10d	
	After Aging	Elongation (%)	≥ 300
	Cold bend (-20 ± 2℃ × 4h) 15times cable O.D. No visible cracks		
	1.0-100.0MHz, Impedance (Ω)	100 ± 15	
	Delay Shew 20℃(ns/100m)	≤ 45	
	NVP	69%	
	Capacitance(nF/100m) max:	5.6	
	DC Resistance 20℃(Ω/100m) max	9.5	
	DC Conductor Resistance Unbalance (%)max	5	

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 (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