

LAN CABLE

REF : U/UTP 4Pairs cable-category 6-250MHz 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: 100Base-TX 100Base-T 100VG-AnyLAN 1000Base-T(Gigabit Ethernet) 1000Base-TX ATM Noisy Environments			
Content of the Data Sheet							
Category	U/UTP CAT6-4P-PVC						
Test Standard	ISO/IEC11801、TIA-568-C.2、YD/T1019						
Conductor	Material	Solid-Bare Copper					
	Nom.O.D.(mm)	0.570	<table border="1" style="font-size: small;"> <tr> <td>up</td> <td>+0.005</td> </tr> <tr> <td>down</td> <td>-0.005</td> </tr> </table>				
up	+0.005						
down	-0.005						
Insulation	Material	HDPE					
	Diameter	1.02±0.03mm					
Sheath	Thickness	0.55±0.05 mm		Sheath Physical Properties	Before Aging Tensile Strength (Mpa) ≥ 13.5		Aging Period (℃×hrs) 100℃×24h×7d
	External O.D.	6.3±0.4 mm			Elongation(%) ≥ 150		
	Surface	Clean,Frap,Satiation			After Aging Tensile Strength(Mpa) ≥ 12.5		
	Material	PVC			Elongation(%) ≥ 125		
Surface Printing	Color	According to the requires		Electrical Characteristics (20℃)			
	Letter height	3.0±0.3mm					
	Print error & Space	≤ ±0.5%, 1m					
Core Color	1 White- Blue /Blue		2 White-Orange /Orange		1.0-250.0MHz Impedance ((Ω) 100±15		
	3 White-Green /Green		4 White- Brown /Brown		1.0-250.0MHz Delay Shew (ns/100m) ≤ 45		
Packing	Wooden Tray & Carton			NVP		69%	
Carton dimension	40.5*40.5*21cm			Capacitance(nF/100m) max:		5.6	
Packing length	305±1.5m			DC Resistance (Ω/100m) max		9.5	
Rip-cord	Yes	Drain wire	No	DC Conductor Resistance Unbalance (%) max		5.0	



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Technical Performance (100m):

Frequency (MHz)	RL \geq dB	ATT(20°C) \leq dB	NEXT \geq dB	PHASE DELAY \leq ns	Frequency (MHz)	PSNEXT \geq dB	ELFEXT \geq dB	PSELFEXT \geq dB
1	20.0	2.03	74.3	570.00	1	72.3	67.8	64.8
4.0	23.0	3.78	65.3	552.00	4	63.3	55.8	52.8
8.0	24.5	5.32	60.8	546.73	8	58.8	49.7	46.7
10.0	25.0	5.95	59.3	545.38	10	57.3	47.8	44.8
16.0	25.0	7.55	56.2	543.00	16	54.2	43.7	40.7
20.0	25.0	8.47	54.8	542.05	20	52.8	41.8	38.8
25.0	24.3	9.51	53.3	541.20	25	41.3	39.8	36.8
31.25	23.6	10.67	51.9	540.44	31.25	49.9	37.9	34.9
62.5	21.5	15.38	47.7	538.55	62.5	45.4	31.9	28.9
100	20.1	19.80	44.3	537.60	100	42.3	27.8	24.8
200	18.0	28.98	39.8	536.54	200	37.8	21.8	18.8
250	17.3	32.85	38.3	536.27	250	36.3	19.8	16.8

