

LAN CABLE

REF : U/UTP 4Pairs cable-category5E-100MHz 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			
Content of the Data Sheet							
Category	U/UTP CAT5E-4P-PVC						
Test Standard	ISO/IEC11801、TIA-568-C.2、YD/T1019						
Conductor	Material	Solid-Bare copper					
	Nom.O.D.(mm)	0.500	up	+0.005			
			down	-0.005			
Insulation	Material	HDPE					
	Diameter	0.88±0.03mm					
Sheath	Thickness	0.50±0.05 mm					
	External O.D.	5.0±0.4 mm					
	Surface	Clean,Frap,Satiation					
	Material	PVC					
	Color	According to the requires					
Surface Printing	Letter height	3.0±0.3mm					
	Color	Black					
	Print error & Space	≤±0.5%, 1m					
Core Color	1 White- Blue /Blue	2 White-Orange /Orange					
	3 White- Green /Green	4 White- Brown /Brown					
Packing	Wooden Tray & Carton						
Carton dimension	35cm*35cm*20cm						
Packing length	(305±1.5)m						
Rip-cord	Yes	Drain wire	No				

Sheath Physical Properties	Before Aging Tensile Strength (Mpa)	≥13.5
	Elongation(%)	≥150
	Aging Period(℃×hrs)	100℃×24h×7d
	After Aging Tensile Strength(Mpa)	≥12.5
	Elongation(%)	≥125
	Cold bend(-20±2℃×4h)	8×Cable O.D., No visible cracks
Electrical Characteristics (20℃)	1.0-100.0MHz Impedance(Ω)	100±15
	1.0-100.0MHz Delay Shew (ns/100m)	≤45
	NVP	69%
	Capacitance(nF/100m) max:	5.6
	DC ResistanceΩ/100m) max	9.5
	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	2.0	65.3	570.00	1	62.3	63.8	60.8
4.0	23.0	4.1	56.3	552.00	4	53.3	51.8	48.8
8.0	24.5	5.8	51.8	546.73	8	48.8	45.7	42.7
10.0	25.0	6.5	50.3	545.38	10	47.3	43.8	40.8
16.0	25.0	8.2	47.2	543.00	16	44.4	39.7	36.7
20.0	25.0	9.3	45.8	542.05	20	42.8	37.8	34.8
25.0	24.3	10.4	44.3	541.20	25	41.3	35.8	32.8
31.25	23.6	11.7	42.9	540.44	31.25	39.9	33.9	30.9
62.5	21.5	17.0	38.4	538.55	62.5	35.4	27.9	24.9
100	20.1	22.0	35.3	537.60	100	32.3	23.8	20.8

