

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				<div><div>White-Blue /Blue</div><div>White-Orange/Orange</div><div>White- Brown /Brown</div><div>White- Green /Green</div><div>Sheath</div><div>Rip-cord</div></div>				
Test Standard	ISO/IEC11801、TIA-568-C.2 、YD/T1019								
Conductor	Material	Solid-Bare copper							
	Nom.O.D.(mm)	0.500	up	+0.005					
Insulation	Material	HDPE							
	Diameter	0.88±0.03mm							
Sheath	Thickness	0.50±0.05 mm			Sheath Physical Properties	Before Aging	Tensile Strength (Mpa)	≥13.5	
	External O.D.	5.0±0.4 mm					Elongation(%)	≥150	
	Surface	Clean,Frap,Satiation				Aging Period(℃×hrs)	100℃×24h×7d		
	Material	PVC				After Aging	Tensile Strength(Mpa)	≥12.5	
	Color	According to the requires					Elongation(%)	≥125	
Surface Printing	Letter height	3.0±0.3mm			Electrical Characteristics (20℃)	Cracks			
	Color	Black				1.0-100.0MHz	Impedance(Ω)	100±15	
	Print error & Space	≤±0.5%, 1m				1.0-100.0MHz	Delay Shew (ns/100m)	≤45	
Core Color	1 White- Blue /Blue	2 White-Orange /Orange				NVP	69%		
	3 White- Green /Green	4 White- Brown /Brown				Capacitance(nF/100m) max:	5.6		
Packing	Wooden Tray & Carton					DC ResistanceΩ/100m) max	9.5		
Carton dimension	35cm*35cm*20cm					DC Conductor Resistance Unbalance(%) max	5.0		
Packing length	(305±1.5)m								
Rip-cord	Yes	Drain wire	No						



Technical Performance (100m):									
Frequency	RL	ATT(20°C)	NEXT	PHASE DELAY	Frequency	PSNEXT	ELFEXT	PSELFEXT	
(MHz)	≥dB	≤dB	≥dB	≤ns	(MHz)	≥dB	≥dB	≥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	