

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	up	+0.005	down	-0.005	
Insulation	Material	HDPE					
	Diameter	1.02±0.03mm					
Cross	4.5*0.45 mm						
Sheath	Thickness	0.55±0.05 mm					
	External O.D.	6.3±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	40.5*40.5*21cm						
Packing length	305±1.5m						
Rip-cord	Yes	Drain wire	No				

White-Blue /Blue
White-Orange /Orange
Sheath
Rip-cord
Seperator
White-Brown /Brown
White-Green /Green

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℃)	1.0-250.0MHz Impedance ((Ω)	100±15
	1.0-250.0MHz Delay Shew (ns/100m)	≤45
	NVP	69%
	Capacitance(nF/100m) max:	5.6
	DC Resistance (Ω/100m) max	9.5
	DC Conductor Resistance Unbalance (%) max	5.0

LAN CABLE

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

