

<b>Product Description:</b> Rated temperature: 60°C, 75°C, 90°C Reference Standard: UL444, UL1581, UL1666 Bare solid copper conductor Rohs/REACH complied PVC Jacket Flame Test: CMX, CM, CMR Installation temperature: -30°C ~ +50°C	<b>Application:</b> 100Base-TX 100Base-T 100VG-AnyLAN 1000Base-T (Gigabit Ethernet) 1000Base-TX ATM Noisy Environments
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Content of the Data Sheet

Category	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"> <tr> <td>up</td> <td>+0.005</td> </tr> <tr> <td>down</td> <td>-0.005</td> </tr> </table>		up	+0.005	down
up		+0.005					
down	-0.005						
Insulation	Material	HDPE					
	Diameter	1.02±0.03mm					
Sheath	Thickness	0.55±0.05 mm		<b>Sheath Physical Properties</b>			
	External O.D.	6.3±0.4 mm					
	Surface	Clean, Frap, Satiation					
	Material	PVC					
Surface Printing	Color	According to the requires		Before Aging Tensile Strength (Mpa) ≥13.5 Elongation(%) ≥150			
	Letter height	3.0±0.3mm		Aging Period (°C×hrs) 100°C×24h×7d			
	Color	Black		After Aging Tensile Strength(Mpa) ≥12.5 Elongation(%) ≥125			
Core Color	Print error & Space	≤±0.5%, 1m		Cold bend(-20±2°C×4h) 8×Cable O.D., No visible cracks			
	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			

Technical Performance (100m):

Frequency (MHz)	RL ≥dB	ATT(20°C) ≤dB	NEXT ≥dB	PHASE DELAY ≤ns	Frequency (MHz)	PSNEXT ≥dB	ELFEXT ≥dB	PSELFEXT ≥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