



**U/UTP 4Pairs cable-category 6A-PVC Sheath**

ZLL 04020054

cord: A-110729-9-1

<b>Product Description:</b> 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℃	<b>Application:</b> Volp , ISDN Token , 100M TP-PDM Analong and Data Video TR-16 Active And Passive 155M/662m/1.2GATM IEEE802.3: 100Bease;100Base-T 1000Base-T 10GBase-T
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Content of the Data Sheet

Category	U/UTP CAT6A-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	-0.005								
up	+0.005															
down	-0.005															
Insulation	Material	HDPE														
	Diameter	1.03±0.03mm														
Sheath	Thickness	0.70±0.05 mm (Avg.)		Sheath Physical Properties <table border="1"> <tr> <td>Before Aging Tensile Strength (Mpa)</td> <td>≥ 13.5</td> </tr> <tr> <td>Elongation(%)</td> <td>≥ 150</td> </tr> <tr> <td>Aging Period (°C× hrs)</td> <td>100℃×24h×7d</td> </tr> <tr> <td>After Aging Tensile Strength(Mpa)</td> <td>≥ 12.5</td> </tr> <tr> <td>Elongation(%)</td> <td>≥ 125</td> </tr> <tr> <td>Cold bend(-20±2℃×4h)</td> <td>8×Cable O.D. , No visible cracks</td> </tr> </table>	Before Aging Tensile Strength (Mpa)	≥ 13.5	Elongation(%)	≥ 150	Aging Period (°C× 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
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Cold bend(-20±2℃×4h)	8×Cable O.D. , No visible cracks															
External O.D.	7.6±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		Electrical Characteristics (20℃) <table border="1"> <tr> <td>1.0-250.0MHz Impedance ((Ω)</td> <td>100±15</td> </tr> <tr> <td>1.0-250.0MHz Delay Shew (ns/100m)</td> <td>≤45</td> </tr> <tr> <td>NVP</td> <td>69%</td> </tr> <tr> <td>Capacitance(nF/100m) max:</td> <td>5.6</td> </tr> <tr> <td>DC Resistance (Ω/100m) max</td> <td>9.5</td> </tr> <tr> <td>DC Conductor Resistance Unbalance (%) max</td> <td>5.0</td> </tr> </table>	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
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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													

Note: The fire retardant of the outer sheath should be comply with national standard.

# LAN CABLE

Technical Performance (100m):								
Frequency (MHz)	RL $\geq$ dB	ATT $\leq$ dB	NEXT $\geq$ dB	DELAY $\leq$ ns	Frequency (MHz)	PSNEXT $\geq$ dB	ELFEXT $\geq$ dB	PSELFEXT $\geq$ dB
1	20.0	2.1	74.3	570.0	1	72.3	67.8	64.8
4.0	23.0	3.8	65.3	552.0	4	63.3	55.8	52.8
8.0	24.5	5.3	60.8	546.7	8	48.8	49.7	46.7
10.0	25.0	5.9	59.3	545.4	10	57.3	47.8	44.8
16.0	25.0	7.5	56.2	543.0	16	54.2	43.7	40.7
20.0	25.0	8.4	54.8	542.1	20	52.8	41.8	38.8
25.0	24.3	9.4	53.3	541.2	25	41.3	39.8	36.8
31.25	23.6	10.5	51.9	540.4	31.25	49.9	37.9	34.9
62.5	21.5	15.0	47.4	538.6	62.5	45.4	31.9	28.9
100	20.1	19.1	44.3	537.6	100	42.3	27.8	24.8
200	18.0	27.6	39.8	536.5	200	37.8	21.8	18.8
250	17.3	31.1	38.3	536.3	250	36.3	19.8	16.8
300	16.8	34.3	37.1	536.1	300	35.1	18.3	15.3
500	15.2	45.3	33.8	535.6	500	31.8	13.8	10.8