

CAT6, UTP, 4PAIR, 24AWG, PVC, REGULAR

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)	0.530	<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																																																													
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Insulation	Material	HDPE																																																																			
	Diameter	0.93±0.03mm																																																																			
Sheath	Thickness	0.55±0.05 mm		Technical Performance: <table border="1"> <thead> <tr> <th>Frequency (MHz)</th> <th>RL ≥dB</th> <th>ATT(20°C) ≤dB</th> <th>NEXT ≥dB</th> <th>PHASE DELAY ≤ns</th> </tr> </thead> <tbody> <tr><td>1</td><td>20.0</td><td>2.03</td><td>74.3</td><td>570.00</td></tr> <tr><td>4.0</td><td>23.0</td><td>3.78</td><td>65.3</td><td>552.00</td></tr> <tr><td>8.0</td><td>24.5</td><td>5.32</td><td>60.8</td><td>546.73</td></tr> <tr><td>10.0</td><td>25.0</td><td>5.95</td><td>59.3</td><td>545.38</td></tr> <tr><td>16.0</td><td>25.0</td><td>7.55</td><td>56.2</td><td>543.00</td></tr> <tr><td>20.0</td><td>25.0</td><td>8.47</td><td>54.8</td><td>542.05</td></tr> <tr><td>25.0</td><td>24.3</td><td>9.51</td><td>53.3</td><td>541.20</td></tr> <tr><td>31.25</td><td>23.6</td><td>10.67</td><td>51.9</td><td>540.44</td></tr> <tr><td>62.5</td><td>21.5</td><td>15.38</td><td>47.7</td><td>538.55</td></tr> <tr><td>100</td><td>20.1</td><td>19.80</td><td>44.3</td><td>537.60</td></tr> <tr><td>200</td><td>18.0</td><td>28.98</td><td>39.8</td><td>536.54</td></tr> <tr><td>250</td><td>17.3</td><td>32.85</td><td>38.3</td><td>536.27</td></tr> </tbody> </table>	Frequency (MHz)	RL ≥dB	ATT(20°C) ≤dB	NEXT ≥dB	PHASE DELAY ≤ns	1	20.0	2.03	74.3	570.00	4.0	23.0	3.78	65.3	552.00	8.0	24.5	5.32	60.8	546.73	10.0	25.0	5.95	59.3	545.38	16.0	25.0	7.55	56.2	543.00	20.0	25.0	8.47	54.8	542.05	25.0	24.3	9.51	53.3	541.20	31.25	23.6	10.67	51.9	540.44	62.5	21.5	15.38	47.7	538.55	100	20.1	19.80	44.3	537.60	200	18.0	28.98	39.8	536.54	250	17.3	32.85	38.3	536.27
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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 length	305±1.5m																																																																				
Rip-cord	Yes	Drain wire	No																																																																		
Sheath Physical Properties	Before Aging Tensile Strength (Mpa)	≥13.5																																																																			
	Elongation(%)	≥150																																																																			
	Aging Period (°C×hrs)	100°C×24h×7d																																																																			
	After Aging Tensile Strength(Mpa)	≥12.5																																																																			
	Elongation(%)	≥125																																																																			
Electrical Characteristics (20°C)	1.0-250.0MHz Impedance ((Ω)	100±15																																																																			
	1.0-250.0MHz Delay Shew (ns/100m)	≤45																																																																			
	DC Resistance (Ω/100m) max	9.5																																																																			
	DC Conductor Resistance Unbalance (%)	max 5.0																																																																			
		Frequency (MHz)	PSNEXT ≥dB	ELFEXT ≥dB	PSELFEXT ≥dB																																																																
	1	72.3	67.8	64.8																																																																	
	4	63.3	55.8	52.8																																																																	
	8	58.8	49.7	46.7																																																																	
	10	57.3	47.8	44.8																																																																	
	16	54.2	43.7	40.7																																																																	
	20	52.8	41.8	38.8																																																																	
	25	51.3	39.8	36.8																																																																	
	31.25	49.9	37.9	34.9																																																																	
	62.5	45.4	31.9	28.9																																																																	
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Application:

- 1000BASE-T Gigabit Ethernet (IEEE 802.3)
- 100Base-T Fast Ethernet (IEEE802.5)
- 10Base-T (IEEE802.3)
- 155/622 Mbps 1.2/2.4 Gbps ATM
- Token Ring (IEEE802.5)
- 100 Mbps TP-PMD