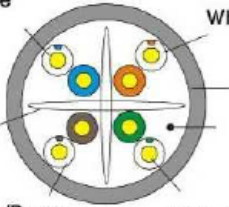


Technical specification/ Data sheet

LAN cable Y/CAT6 UTP LSZH

Category	U/UTP CAT6-4P-LSZH				White-Blue /Blue White-Orange /Orange Sheath Rip-cord Seperator White-Brown /Brown White-Green /Green 			
Test Standard	ISO/IEC11801、TIA-568-C.2、 YD/T1019							
Conductor	Material	Solid-Bare Copper						
	Nom.O.D.(mm)	0.550	up	+0.005				
Insulation	Material	HDPE						
	Diameter	1.02±0.03mm						
Sheath	Thickness	0.55±0.05 mm			Sheath Physical Properties	Before Aging Tensile Strength (Mpa) ≥10.0 Elongation(%) ≥125		
	External O.D.	6.3±0.4 mm				Aging Period (℃×hrs) 100℃×24h×7d		
	Surface	Clean,Frap,Satiation				After Aging Tensile Strength(Mpa) ≥8.0 Elongation(%) ≥100		
	Material	LSZH				Cold bend(-20±2℃×4h) 8×Cable O.D., No visible cracks		
	Color	According to the requires						
Surface Printing	Letter height	3.0±0.3mm			Electrical Characteristics (20℃)	1.0-250.0MHz Impedance ((Ω) 100±15		
	Color	Black				1.0-250.0MHz Delay Shew (ns/100m) ≤45		
	Print error & Space	≤±0.5%, 1m				NVP 69%		
Core Color	1 White- Blue /Blue	2 White-Orange /Orange				Capacitance(nF/100m) max: 5.6		
	3 White-Green /Green	4 White- Brown /Brown				DC Resistance (Ω/100m) max 9.5		
Packing	Wooden Tray & Carton					DC Conductor Resistance Unbalance (%) max 5.0		
Carton dimension	40.5*40.5*21cm							
Packing length	305±1.5m							
Rip-cord	Yes	Drain wire	No					

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	