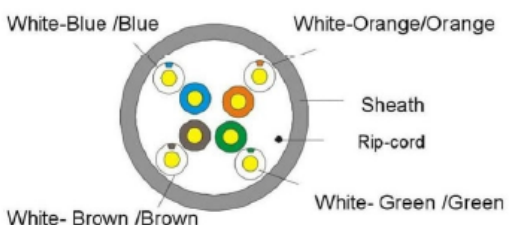


Technical specification/ Data sheet

LAN cable: Y/CAT5E UTP LSZH

Category	UTP CAT5E LSZH							
Test Standard	ISO/IEC11001、TIA-500-C.2、YD/T1019							
Conductor	Material	Solid-Bare copper						
	Nom.O.D.(mm)	0.49	up	+0.005				
down			-0.005					
Insulation	Material	HDPE						
	Diameter	0.88±0.03mm						
Sheath	Thickness	0.50±0.05 mm			Sheath Physical Properties	Before Aging	Tensile Strength (Mpa)	≥10.0
	External O.D.	5.0±0.4 mm					Elongation(%)	≥125
	Surface	Clean,Frap,Satiation				Aging Period(℃×hrs)	100℃×24h×7d	
	Material	LSZH				After Aging	Tensile Strength(Mpa)	≥8.0
	Color	violet					Elongation(%)	≥100
Surface Printing	Letter height	3.0±0.3mm			Electrical Characteristics (20℃)	1.0-100.0MHz	Impedance(Ω)	100±15
	Color	Black				1.0-100.0MHz	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 ResistanceΩ/100m) max	9.5	
Packing	Wooden Tray & Carton					DC Conductor Resistance Unbalance(%) max	5.0	
Carton dimension	35cm*35cm*20cm							
Packing length	(305±1.5)m							
Rip-cord	Yes	Drain wire	No					

Technical Performance (100m):								
Frequency (MHz)	RL ≥dB	ATT(20℃) ≤dB	NEXT ≥dB	PHASE DELAY ≤ns	Frequency (MHz)	PSNEXT ≥dB	ELFEXT ≥dB	PSELFEXT ≥dB
1	20.0	2.0	65.3	570.00	1	62.3	63.8	60.8
4.0	23.0	4.1	56.3	552.00	4	53.3	51.8	48.8
8.0	24.5	5.8	51.8	546.73	8	48.8	45.7	42.7
10.0	25.0	6.5	50.3	545.38	10	47.3	43.8	40.8
16.0	25.0	8.2	47.2	543.00	16	44.4	39.7	36.7
20.0	25.0	9.3	45.8	542.05	20	42.8	37.8	34.8
25.0	24.3	10.4	44.3	541.20	25	41.3	35.8	32.8
31.25	23.6	11.7	42.9	540.44	31.25	39.9	33.9	30.9
62.5	21.5	17.0	38.4	538.55	62.5	35.4	27.9	24.9
100	20.1	22.0	35.3	537.60	100	32.3	23.8	20.8