

Technical specification/ Data sheet

LAN cable Y/CAT6 UTP Out/S

Category	CAT6 UTP OUT			
Test Standard	ISO/IEC11801、TIA- 568-C..2、YD/T1019			
Conductor	Material	SOLID-Bare Copper		
	Nom. O.D. (mm)	0.57	Up +0.005 Down -0.005	
Insulation		Material	HDPE	
	Diameter	1.02±0.03mm		
Color	A.Blue, White-Blue	B.Orange,White-Orange		
	C.Green,White-Green	D.Brown, White-Brown		
Shield	PET Tape			
5. Sheath	Thickness	0.60±0.05 mm		
	External O.D.	6.9±0.5 mm		Frequency (MHz)
	Surface	Clean,Frap,Satiation		RL ≥dB
	Material	LDPE (complies RoHS)		ATT(20°C) ≤dB
	Color	Black		NEXT ≥dB
Surface Printing	Letter height	3.0±0.3mm		PHASE DELAY ≤ns
	Color	White		1 20.0 2.03 74.3 570.00
	Print error & Space	≤±0.5%, 1m		4.0 23.0 3.78 65.3 552.00
Packing	—			8.0 24.5 5.32 60.8 546.73
Carton dimension	—			10.0 25.0 5.95 59.3 545.38
Packing length	305±1.5m			16.0 25.0 7.55 56.2 543.00
Out Jacket Physical Properties	Before Aging	Tensile Strength (Mpa)	≥10.0	20.0 25.0 8.47 54.8 542.05
		Elongation (%)	≥350	25.0 24.3 9.51 53.3 541.20
	Aging Period (°C×hrs)	100°C×24h×10d		31.25 23.6 10.67 51.9 540.44
	After Aging	Elongation (%)	≥300	62.5 21.5 15.38 47.7 538.55
	Cold bend (-20±2°C×4h)	No visible cracks		100 20.1 19.80 44.3 537.60
Electrical Characteristics (20 °C)	Characteristic impedance (Ω)	100±15		200 18.0 28.98 39.8 536.54
	Delay Shew 20°C(ns/100m)	≤45		250 17.3 32.85 38.3 536.27
	DC Resistance 20°C(Ω/100m) max	9.5		Frequency (MHz)
	DC Conductor Resistance Unbalance (%)max	5.0		PSNEXT ≥dB
				ELFEXT ≥dB
			PSELFEXT ≥dB	