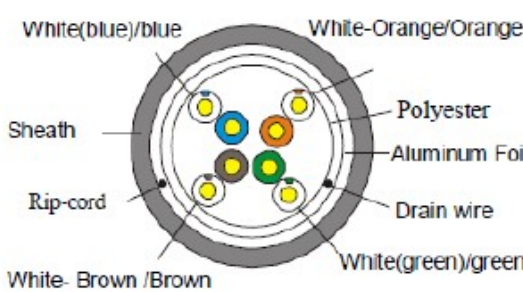


Technical specification/ Data sheet

LAN cable: Y/CAT5E FTP LSZH

Category	F/UTP CAT5E-4P-LSZH								
Test Standard	ISO/IEC11801、TIA/EIA-568-C.2 YD/T1019-2001								
Conductor	Material	oxygen free copper							
	Nom.O.D.(mm)	0.500	up	+0.005					
			down	-0.005					
Insulation	Material	HDPE							
	Diameter	1.00±0.03 mm							
Screening Material	Aluminum Foil								
Sheath	Thickness	0.55±0.05mm			Technical Performance (100m):				
	External O.D.	6.2±0.4 mm			Frequency RL	ATT(20℃)	NEXT	PHASE DELAY	
	Surface	Clean,Frap,Satiation			(MHz)	≥dB	≤dB	≥dB	≤ns
	Material	LSZH			1	20.0	2.0	65.3	570.00
	Color	According to the requires			4	23.0	4.1	56.3	552.00
Surface Printing	Letter height	3.0±0.3mm			8	24.5	5.8	51.8	546.73
	Color	Black			10	25.0	6.5	50.3	545.38
	Print error & Space	≤±0.5%, 1m			16	25.0	8.2	47.2	543.00
Core Color	1 White- Blue /Blue		2 White-Orange /Orange		20	25.0	9.3	45.8	542.05
	3 White- Green /Green		4 White- Brown /Brown		25	24.3	10.4	44.3	541.20
Packing	Wooden Tray & Carton				31.25	23.6	11.7	42.9	540.44
Carton dimension	41×41×21cm				62.5	21.5	17.0	38.4	538.55
Packing length	305±1.5m				100	20.1	22.0	35.3	537.60
Rip-cord	Yes	Drain wire	Yes						
Sheath Physical Properties	Before Aging Tensile Strength (Mpa)		≥13.5		Frequency	PSNEXT	ELFEXT	PSELFEXT	
	Elongation(%)		≥150		(MHz)	≥dB	≥dB	≥dB	
	Aging Period(℃×hrs)		100℃×24h×7d		1	62.3	63.8	60.8	
	After Aging Tensile Strength(Mpa)		≥12.5		4	53.3	51.8	48.8	
	Elongation(%)		≥125		8	48.8	45.7	42.7	
Electrical Characteristics (20℃)	Cold bend(-20±2℃×4h)		8×Cable O.D.,		10	47.3	43.8	40.8	
	No visible cracks				16	44.4	39.7	36.7	
	1.0-100.0MHz	Impedance(Ω)	100±15		20	42.8	37.8	34.8	
	1.0-100.0MHz	Delay Shew (ns/100m)	≤45		25	41.3	35.8	32.8	
	unbalanced-to-ground capacitance (pf/100m)				31.25	39.9	33.9	30.9	
	max	330				62.5	35.4	27.9	24.9
	DC Resistance (Ω/100m) max		9.5		100	32.3	23.8	20.8	
	DC Conductor Resistance	Unbalance (%)	max 5.0						