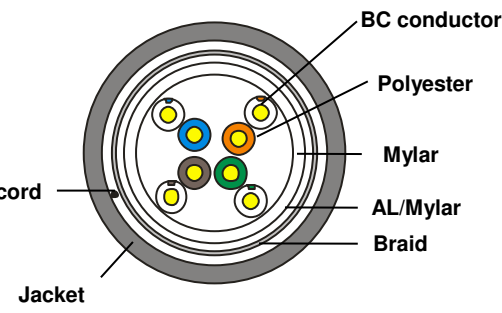


REF: SF/UTP 4 pairs cable - category 5E - 100MHz – LSZH Sheath

P/N: 402423

Date	Prepared by	Checked by	Approved by	Version	Revision Declaration				
2016-03-11				A0					
Content of the Data Sheet									
Sheath Printing									
Customer reference									
Category	SF/UTP CAT5e-4P-LSZH –TC40								
Test Standard	ISO/IEC11801 、 TIA- 568-C.2 、 YD/T1019								
Conductor	Material	SOLID-Bare Copper							
	Nom. O.D. (mm)	0.495	Up	+0.005					
		24AWG	Down	-0.005					
Insulation	Material	HDPE							
	Diameter	0.95±0.03mm							
Color	A.Blue, White-Blue	B.Orange,White-Orange							
	C.Green,White-Green	D.Brown, White-Brown							
Inner Shield Material	Mylar+ AL/Mylar	Drain wire	No		Technical Performance (100m):				
Braid	Tinned copper 0.10mm	Coverage	≥40%		Frequency (MHz)	RL ≥dB	ATT(20℃) ≤dB	NEXT ≥dB	PHASE DELAY ≤ns
5. Sheath	Thickness	0.60±0.05 mm			1	20.0	—	65.3	570.00
	External O.D.	6.7±0.5 mm			4.0	23.0	4.1	56.3	552.00
	Surface	Clean,Frap,Satiation			8.0	24.5	5.8	51.8	546.73
	Material	LSZH (complies RoHS)			10.0	25.0	6.5	50.3	545.38
	Color	Multiple			16.0	25.0	8.2	47.2	543.00
Surface Printing	Letter height	3.0±0.3mm			20.0	25.0	9.3	45.8	542.05
	Color	Black			25.0	24.3	10.4	44.3	541.20
	Print error & Space	≤0.5% 、 1m			31.25	23.6	11.7	42.9	540.44
Packing	Carton, pallet				62.5	21.5	17.0	38.4	538.55
Carton dimension	According to the requires				100	20.1	22.0	35.3	537.60
Packing length	305±1.5m				Frequency (MHz)	PSNEXT ≥dB	ELFEXT ≥dB	PSELFEXT ≥dB	
Out Jacket Physical Properties	Before Aging	Tensile Strength (Mpa)	≥10.0		1	62.3	63.8	60.8	
		Elongation (%)	≥125		4	53.3	51.8	48.8	
	Aging Period (℃×hrs)	100℃×24h×7d			8	48.8	45.7	42.7	
	After Aging	Tensile Strength (Mpa)	≥8.0		10	47.3	43.8	40.8	
		Elongation (%)	≥100		16	44.4	39.7	36.7	
Electrical Characteristics (20℃)	Cold bend (-20±2℃×4h)	No visible cracks			20	42.8	37.8	34.8	
	1.0-100.0MHz, Characteristic impedance (Ω)	100±15			25	41.3	35.8	32.8	
	1.0-100.0MHz, Delay Skew 20℃ (ns/100m)	≤45			31.25	39.9	33.9	30.9	
	Unbalanced-to-ground capacitance (pf/100m) max	330			62.5	35.4	27.9	24.9	
	DC Resistance 20℃ (Ω/100m) max	9.5			100	32.3	23.8	20.8	
	DC Conductor Resistance Unbalance (%)max			5.0					