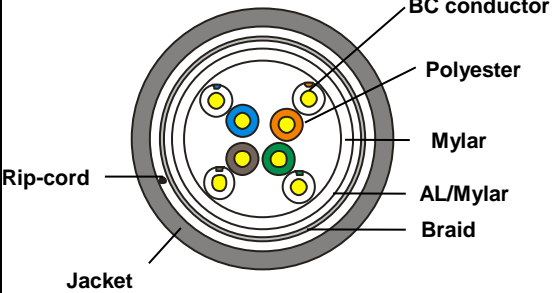


REF: SF/UTP 4 pairs cable - category 5E - 100MHz – LSZH Sheath

P/N: 40242407

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			
Braid	Tinned copper 0.10mm	Coverage	≥40%			
5. Sheath	Thickness	0.60±0.05 mm				
	External O.D.	6.7±0.5 mm				
	Surface	Clean,Frap,Satiation				
	Material	LSZH (complies RoHS)				
	Color	Multiple				
Surface Printing	Letter height	3.0±0.3mm				
	Color	Black				
	Print error & Space	≤0.5%、1m				
Packing	100m					
Carton dimension	According to the requires					
Packing length	305±1.5m					
Out Jacket Physical Properties	Before Aging	Tensile Strength (Mpa)	≥10.0			
		Elongation (%)	≥125			
	Aging Period (°C×hrs)	100°C×24h×7d				
	After Aging	Tensile Strength (Mpa)	≥8.0			
		Elongation (%)	≥100			
Cold bend (-20±2°C×4h)	No visible cracks					
Electrical Characteristics (20°C)	1.0-100.0MHz, Characteristic impedance (Ω)		100±15			
	1.0-100.0MHz, Delay Skew 20°C (ns/100m)		≤45			
	Unbalanced-to-ground capacitance (pf/100m) max		330			
	DC Resistance 20°C (Ω/100m) max		9.5			
	DC Conductor Resistance Unbalance (%)max		5.0			
						
Technical Performance (100m):						
		Frequency (MHz)	RL ≥dB	ATT(20°C) ≤dB	NEXT ≥dB	PHASE DELAY ≤ns
		1	20.0	—	65.3	570.00
		4.0	23.0	4.1	56.3	552.00
		8.0	24.5	5.8	51.8	546.73
		10.0	25.0	6.5	50.3	545.38
		16.0	25.0	8.2	47.2	543.00
		20.0	25.0	9.3	45.8	542.05
		25.0	24.3	10.4	44.3	541.20
		31.25	23.6	11.7	42.9	540.44
		62.5	21.5	17.0	38.4	538.55
		100	20.1	22.0	35.3	537.60
		Frequency (MHz)	PSNEXT ≥dB	ELFEXT ≥dB	PSELFEXT ≥dB	
		1	62.3	63.8	60.8	
		4	53.3	51.8	48.8	
		8	48.8	45.7	42.7	
		10	47.3	43.8	40.8	
		16	44.4	39.7	36.7	
		20	42.8	37.8	34.8	
		25	41.3	35.8	32.8	
		31.25	39.9	33.9	30.9	
		62.5	35.4	27.9	24.9	
		100	32.3	23.8	20.8	