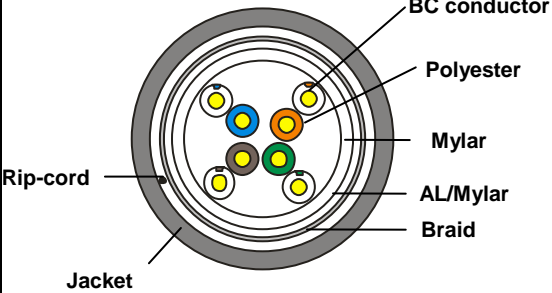


**REF: SF/UTP 4 pairs cable - category 5E - 100MHz – LSZH Sheath**

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	Carton, pallet				
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		
					
<b>Technical Performance (100m):</b>					
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		