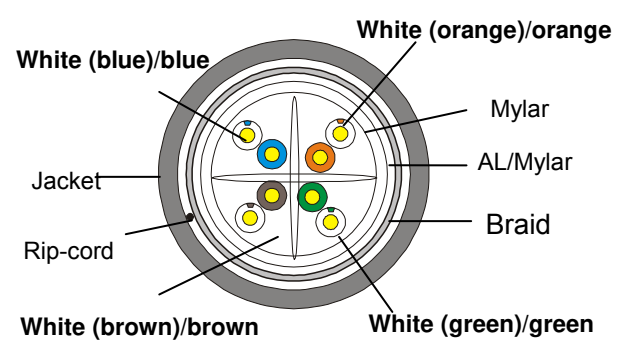


S/FTP 4Pairs cable-category 6-LSZH Sheath

P/N: 401486 / 40148507

Date	Prepared by	Checked by	Approved by	Version	Revision Declaration
2016-03-11				A0	
Content of the Data Sheet					
Sheath Printing					
Customer reference					
Category	S/FTP-CAT.6-4P-LSZH-TC40				
Test Standard					
Conductor	Material	SOLID-Bare Copper			
	Nom.O.D.(mm)	0.565 23AWG	Up Down	+0.005 -0.005	
Insulation	Material	HDPE			
	Diameter	1.12±0.04 mm			
Inner Screening Material	Mylar+AL/Mylar	Drain wire	No		
Outer Screening Material	Tinned copper 0.10 mm	Coverage	≥40%		
Sheath	Thickness	0.60±0.05 mm			
	External O.D.	7.8±0.4 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			
Core Color	1 White (Blue)/ Blue	2 White (Orange)/ Orange			
	3 White (Green)/ Green	4 White (Brown)/ Brown			
Packing	Carton				
Wooden Tray dimension	According to the requires				
Packing length	100 +/- 1.5m	40148507:100m	401486:305m		
Rip-cord	Yes				
Sheath 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				
Electrical Characteristics (20℃)	Cold bend (-20±2℃×4h) 8×Cable O.D. , No visible cracks				
	1.0-250.0MHz	Impedance (Ω)	100±15		
	1.0-250.0MHz	Delay Skew (ns/100m)	≤45		
	Unbalanced-to-ground capacitance (pf/100m), max 330				
	DC Resistance (Ω/100m) , max 9.38				
DC Conductor Resistance Unbalance (%), max 5.0					

Technical Performance (100m):				
Frequency (MHz)	RL (dB)	ATT(20℃) (dB)	NEXT (dB)	PHASE DELAY (ns)
1	20.0	—	74.3	570.00
4.0	23.0	3.78	65.3	552.00
8.0	24.5	5.32	60.8	546.73
10.0	25.0	5.95	59.3	545.38
16.0	25.0	7.55	56.2	543.00
20.0	25.0	8.47	54.8	542.05
25.0	24.3	9.51	53.3	541.20
31.25	23.6	10.67	51.9	540.44
62.5	21.5	15.38	47.7	538.55
100	20.1	19.80	44.3	537.60
200	18.0	28.98	39.8	536.54
250	17.3	32.85	38.3	536.27

Frequency (MHz)	PSNEXT (dB)	ELFEXT (dB)	PSELFEXT (dB)
1	72.3	67.8	64.8
4	63.3	55.8	52.8
8	58.8	49.7	46.7
10	57.3	47.8	44.8
16	54.2	43.7	40.7
20	52.8	41.8	38.8
25	41.3	39.8	36.8
31.25	49.9	37.9	34.9
62.5	45.4	31.9	28.9
100	42.3	27.8	24.8
200	37.8	21.8	18.8
250	36.3	19.8	16.8