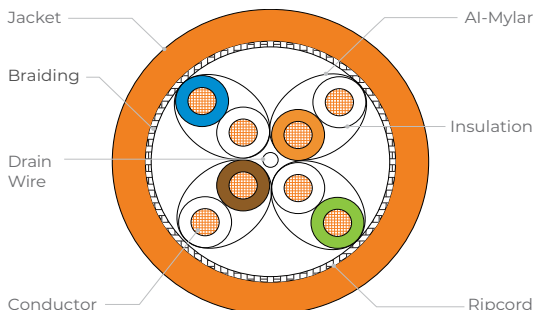


S/FTP 4Pairs Cable Category 6A-LSZH Sheath

Reference Standard- ISO/IEC11801, ANSI/TIA-568-C.2



Electrical Characteristics (20°C)

Impedance (Ω)	1.0-250.0MHz	100±15
	250.0-500.0MHz	100±22
1.0-500.0MHz Delay Skew (ns/100m)		≤45
Unbalanced-to-ground capacitance(pf/km)max		1600
DC Resistance (Ω /km) max		93.8
Resistance Unbalance within a pair (%) max		2.0

Technical Specifications

Conductor	Material	SOLID Bare Copper		
	Nom.O.D.(mm)	0.550	Up	+0.005
			Down	-0.005
Insulation	Material	Skin-foam-skin PE		
	Diameter	1.28 ± 0.05 mm		
Screening Material	Al/Mylar	Drain wire	Yes	
Outer Screening Material	Al Mg wire 0.12mm	Coverage	≥30%	
Sheath	Thickness	0.5±0.05 mm		
	External O.D	6.9±0.5 mm		
	Surface	Clean		
	Material	LSZH (complies RoHS)		
	Color	TBD		
Surface Printing	Letter height	3.0±0.3mm		
	Color	Black		
	Print error & Space	≤±0.5%, 1m		
Core Color	1 White/Blue	2 White/Orange		
	3 White/Green	4 White/Brown		
Packing	Drum			
Packing length	305±1.5m			
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	
	Elongation(%)	≥100		
	Cold bend(-20±2°C ×4h)	8×Cable O.D. , No visible cracks		



S/FTP 4Pairs Cable Category 6A-LSZH Sheath

Reference Standard- ISO/IEC11801, ANSI/TIA-568-C.2

Technical Performance (100m)

Frequency (MHz)	RL (≥ dB)	ATT (≤ dB)	NEXT (≥ dB)	Phase Delay (≤ ns)	PSNEXT (≥ dB)	ELFEXT (≥ dB)	PSELFEXT (≥ dB)
1	20.0	-	74.3	570.0	72.3	67.8	64.8
4	23.0	3.8	65.3	552.0	63.3	55.8	52.8
8	24.5	5.3	60.8	547.0	58.8	49.7	46.7
10	25.0	5.9	59.3	545.0	57.3	47.8	44.8
16	25.0	7.5	56.2	543.0	54.2	43.7	40.7
20	25.0	8.4	54.8	542.0	52.8	41.8	38.8
25	24.3	9.4	53.3	541.0	51.3	39.8	36.8
31.25	23.6	10.5	51.9	540.0	49.9	37.9	34.9
62.5	21.5	15.0	47.4	539.0	45.4	31.9	28.9
100	20.1	19.1	44.3	538.0	42.3	27.8	24.8
200	18.0	27.6	39.8	537.0	37.8	21.8	18.8
250	17.3	31.1	38.3	536.0	36.3	19.8	16.8
300	16.8	34.3	37.1	536.0	35.1	18.3	15.3
400	15.9	40.1	35.3	536.0	33.3	15.8	12.8
500	15.2	45.3	33.8	536.0	31.8	13.8	10.8

Ordering Information

Model	Description
E6AFLI3-SF-XX	ExTell CAT 6A S/FTP 23AWG Network Cable LSZH Sheath, 305m

XX - denotes color.
 WH - White, BL - Blue, RD - Red, GN - Green, BK - Black, YW - Yellow, LC - Lilac, GY - Gray, OR - Orange

