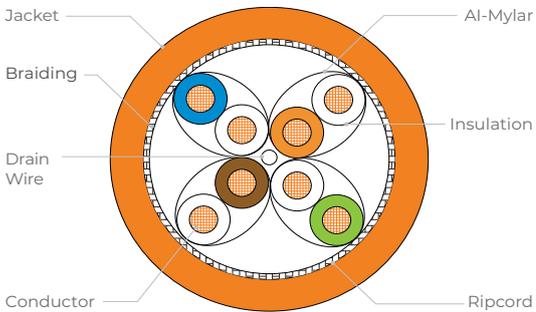


# S/FTP 4Pairs Cable Category 6A-LSZH Sheath

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)	23AWG	<table border="1"> <tr> <td>Up</td> <td>+0.005</td> </tr> <tr> <td>Down</td> <td>-0.005</td> </tr> </table>	Up	+0.005	Down
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					



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### 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

