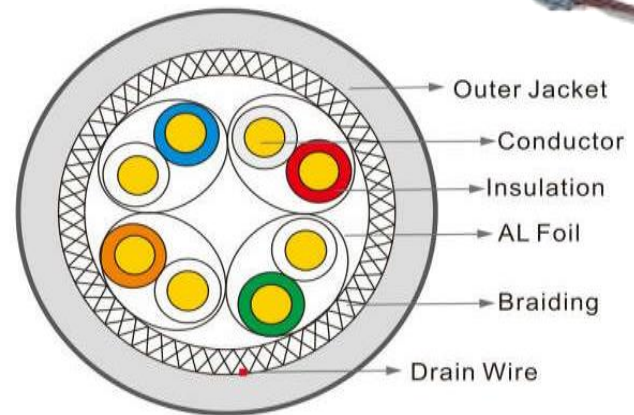
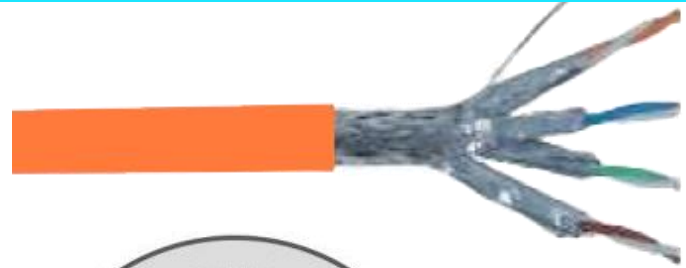


## Cat.6A SFTP LSZH Solid Cable

(each pair with foil shielded and then overall 4 pairs with Mg-Al Alloy braiding),  
0.57mm, PVC, 23AWG

SAFENET 4-Pair SFTP Cat6A LSZH cable has been designed to support high speed data transmission systems such as Gigabit Ethernet for mission critical LAN applications or future proofing Structured Cabling Systems. The cable is characterized to 500MHz and Powersum NEXT tested. We conform that the cable is used in a system to maximize cabling performance, providing extended frequency response and enhanced bandwidth.



### Products Characteristics

- Conductor Diameter: 0.57mm ± 0.008mm
- Foam PE Insulation: 1.34mm ± 0.03 mm
- Al foil : Overlap rate≥125%
- Braiding : 16\*6\*0.12mm ALMG
- Drain wire : 1\*0.4 tinned copper
- Outer Jacket Thickness: 0.5mm±0.5mm
- External Diameter: 7.9mm±0.5mm
- Linear Resistance: Max.<85 Ω/km
- Mutual Capacity (nom.): 5.6nF/100M
- Unbalance Capacity Max (p/p at 1 KHz): 1600 pF/km
- Characteristic Impedance (1 to 100 MHz): 100 ±15Ω
- Velocity OF Propagation (f>1 MHz): 69% of c

### Complied Standards

- ISO/IEC 11801:2011(Ed.2.2)
- IEC 61156-5:2009(Ed.2.0)
- EN 50173-1:2011
- EN 50173-2:2007 including amendment A1:2010
- ANSI/TIA-568-C.2:2009
- TIA/EIA-568B.2-2001

### Key Feature

- Compliant to TIA-568.2-D Category 6A cable specifications
- 23 AWG SOLID-Bare Copper Conductor
- Characterized and tested up to 500MHz
- 4 Pair with LSZH Outer Jacket
- ROHS Compliant & UL Approval, DELTA, GHMT
- Print legend contains footage marking from 305M to 001M

### Application

- IEEE 802.3: 10G BASE-T (Gigabit Ethernet), 100BASE-TX, 10BASE-T
- ANSI/TIA/EIA-854: 10G BASE-TX
- 155 Mb/s, 1.2 Gb/s ATM
- ANSI X3.263: 100 Mb/s
- IEEE 802.3af DTE Power (POE)
- 4/16 Mb/s Token Ring
- Digital Video
- Broadband and Baseband Analog Video

### Reference Electrical Characteristics:

Frequency (MHz)	Return Loss (dB)	Attenuation (dB/100m)	NEXT (dB)	PSNEXT (dB)	ELFEXT (dB)	PSELFEXT (Db)
4	23.0	3.7	66.3	63.3	56	53
8	24.5	5.3	61.8	58.8	49.9	46.9
10	25.0	5.9	60.3	57.3	48	45
16	25.0	7.5	57.2	54.2	43.9	40.9
20	25.0	8.4	55.8	52.8	42	39
25	24.3	9.4	54.3	51.3	40	37
31.25	23.6	10.5	52.9	49.9	38.1	35.1
62.50	21.5	15.0	48.4	45.4	32.1	29.1
100	20.1	19.1	45.3	42.3	28	25
200	18.0	27.6	40.8	37.8	22	19
250	17.3	31.1	39.3	36.3	20	17
300	17.3	34.3	38.1	35.1	18.5	15.5
400	17.3	40.1	36.3	33.3	16	13
500	17.3	45.3	34.8	31.8	14	11

### Ordering Information

Part No	Name of items	Color	Weight
42-5101OR	<b>Cat.6A SFTP LSZH Solid Cable</b> (each pair with foil shielded and then overall 4 pairs with Mg-Al Alloy braiding), <b>0.57mm, PVC, 23AWG - 305M/Roll</b>	Orange	20 KG
42-5101OR	<b>Cat.6A SFTP LSZH Solid Cable</b> (each pair with foil shielded and then overall 4 pairs with Mg-Al Alloy braiding), <b>0.57mm, PVC, 23AWG - 100M/Roll</b>	Orange	