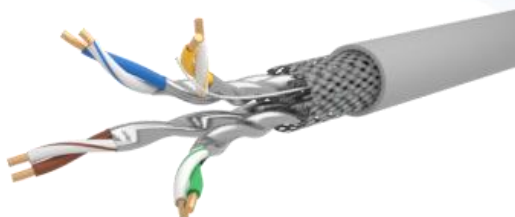


Category 6A S-FTP Cable – LSZH



High Speed 10Gigabit Ethernet S-FTP 500 MHz Class EA / Category 6A LSZH Cable is produced using 8x23 AWG Solid Bare Copper Conductors. Every pair is separately shielded – pairs in metal foil (PIMF). The twisted pairs are covered with a braided screen (S/FTP) which guarantees outstanding shielding properties and then LSZH Outer Sheath. It supports 10/100/1000Base-T, 155Mbps ATM, IEEE 802.3an (10GBase-T) Standard.

Features

- Complies to ANSI/TIA-568.2-D Category 6A & ISO/IEC 11801 Class EA
- Fire Rating as per IEC 60332-1
- Supports 10Gigabit Ethernet to a full 100m up to 500 MHz
- Excellent Shielding prevents Alien Crosstalk
- Covered under 3C3® Performance Warranty

Mechanical Specifications

Conductor AWG	: 23
Conductor Material	: Solid bare Copper
Conductor Count	: 8
Insulation Material	: Foam Polyethylene
No. of pair	: 4
Color Code	
Pair #1	: Blue, White and Blue
Pair #2	: Orange, White and Orange
Pair #3	: Green, White and Green
Pair #4	: Brown, White and Brown
Individual Pair shielding	: Aluminum /Polyester Tape Shielding
Braid Shield	: Tinned copper braiding
Drain Wire	: No
Outer Sheath	: LSZH
Outer Sheath Color	: Grey
Outer Sheath Thickness	: 0.50±0.05mm
Overall cable diameter	: 7.5±0.4mm

Category 6A S-FTP Cable – LSZH

Electrical Specifications

Characteristic Impedance	: 100Ω±15%
Conductor Resistance (DC)	: ≤9.38Ω/100m
Resistance Unbalance	: 5% max
Mutual Capacitance	: <5.6nf/100m
Capacitance Unbalance	: 330pF/100m
Delay Skew	: <45ns
NVP	: 77%
Minimum Bending radius	: 8 x cable diameter
Pulling force	: 11.5kg
Maximum propagation delay @500MHz	: 536ns

Frequency	Max. IL (dB)	Min. NEXT (dB)	Min PSNEXT (dB)	Min ACRF (dB)	Min PSACRF (dB)	Min PSANEXT (dB)	Min PSAACRF (dB)	Min RL (dB)
500MHz	≤49.3	≥ 33.8	≥31.8	≥13.8	≥10.8	≥52	≥24.2	≥ 15.2

Environmental Specifications

Installation Temperature	: 0°C to 50°C
Storage Temperature	: -20°C to +70°C
Operating Temperature	: -20°C to +70°C

Flame Properties

Flammability Test	: IEC 60332-1
Acid Gas Emission Test	: IEC 60754
Smoke Density Test	: IEC 61034

Standard Compliance/Certifications

- RoHS Certified

Ordering Information

Product Code	Description
10310	High Speed 10G Ethernet SFTP 500 MHz Class EA LSZH Cable, Grey C6A