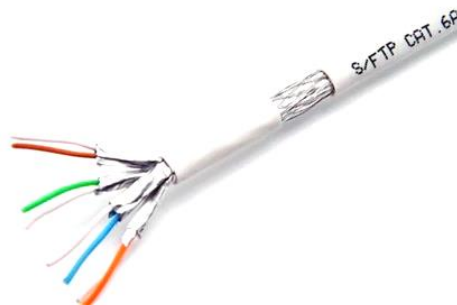


Category 6A SFTP Cable – LSZH



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
- Full Power Sum Performance
- Supports 10Gigabit Ethernet to a full 100m up to 500 MHz
- Excellent Shielding prevents Alien Crosstalk
- ETL Verified & UL Listed
- Covered under 3C3® Performance Warranty

Mechanical Specifications

Conductor AWG	: 23
Conductor Material	: Solid bare Copper
Conductor Count	: 8
Insulation Material	: Foam Polyethylene
Insulation Diameter	: 1.37±0.05mm
Pairing	: 2 insulated conductor twisted together
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	: Aluminium /PET Tape
Braid Shield	: Tinned copper braiding
Drain Wire	: No

Category 6A SFTP Cable – LSZH

Outer Sheath	: LSZH
Outer Sheath Color	: Grey – RAL 7035
Outer Sheath Thickness	: 0.55±0.05mm
Overall cable diameter	: 7.5±0.03mm
Sequential Marking	: At every meter

Electrical Specifications

Characteristic Impedance	: 100Ω±15%
Conductor Resistance(DC)	: ≤9.38Ω/100m
Resistance Unbalance	: 5% max
Mutual Capacitance	: 5% max
Capacitance Unbalance	: 330pF/100m
Delay Skew	: <45ns
NVP	: 74%
Bending radius	: Minimum 8X cable diameter
Pulling force	: 11.5kg
Maximum propagation delay @500MHz	: 536ns
Maximum Attenuation @500Mhz &100m	: 45.3dB
Return loss@500MHz&100m	: 15.2dB
Insertion loss@500MHz&100m	: 45.3dB
NEXT@500MHz&100m	: 33.8dB
PS NEXT @500MHz&100m	: 31.8dB
ACRF(ELFEXT) @500MHz&100m	: 13.8dB
PSA NEXT @500MHz&100m	: 51.8dB
DC Loop Resistance	: 19Ω/100m
DC Resistance Unbalance (mΩ)	: 5%

Environmental Specifications

Installation Temperature	: 0°C to 50°C
Storage Temperature	: -20°C to +70°C
Operating Temperature	: -10°C to +60°C

Category 6A SFTP Cable – LSZH

Flame Properties	:	
Flammability Test	:	IEC 60332-1
Acid Gas Emission Test	:	IEC 60754
Smoke Density Test	:	IEC 61034
Packing	:	305 meters in wooden drum
Printing	:	3C3 4PR 23 AWG SFTP LSZH Solid Cable Cat6A 500MHz MM/YYYY XXXM

Regulatory Compliances/Certifications

- ETL Verified
- UL Listed

Ordering Information

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