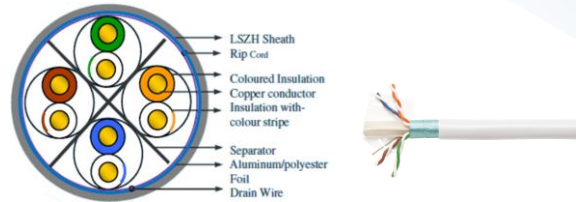


Category 6A SF-UTP Cable – LSZH



High Speed 10Gigabit Ethernet SF-UTP 500 MHz Class EA / Category 6A cable Consists of HDPE Insulated 8 X 23AWG Solid Bare Electrolytic Grade Copper Conductors Twisted as 4 Pairs, Aluminum / Polyester Tape shielding and LSZH Outer Jacket. 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
- 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
Braid Shield	: ATC braiding
Drain Wire	: ATC

Category 6A SF-UTP Cable – LSZH

Outer Sheath	:	LSZH
Outer Sheath Color	:	Grey – RAL 7035
Outer Sheath Thickness	:	0.55 ±0.05mm
Overall cable diameter	:	7.5 ±0.3 mm
Sequential Marking	:	At every meter
RIP Cord	:	No
Cross filler	:	HDPE

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	:	69%
Bending radius	:	Minimum 8X cable diameter
Pulling force	:	11.5kg
Maximum propagation delay @500MHz	:	536ns/100m
Propagation Delay Skew	:	<45ns/100m
Maximum Attenuation @500Mhz &100m	:	45.3dB
Minimum Return loss@500MHz&90m	:	15.2dB
Insertion loss@500MHz&100m	:	45.3dB
Minimum NEXT@500MHz&90m	:	33.8dB
Minimum PS NEXT @500MHz&100m	:	31.8dB
Minimum ACRF(ELFEXT) @500MHz&90m	:	13.8dB
Minimum PSACRF @500MHz&90m	:	10.8dB
Minimum TCL	:	23dB
DC Loop Resistance	:	25 mΩ
DC Resistance Unbalance	:	200 mΩ
Dielectric Strength	:	
Conductor to Shield	:	5kv DC for 2 seconds

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 SF-UTP 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 reel
Printing	: 3C3 4PR 23 AWG SFUTP LSZH Solid Cable Cat6A 500MHz MM/YYYY XXXM

Regulatory Compliances/Certifications

- ETL Verified
- UL Listed
- RoHS Directive 2002/95/EC

Ordering Information

Product Code	Description
10320	High Speed 10G Ethernet SF-UTP 500 MHz Class EA LSZH Cable, C6A