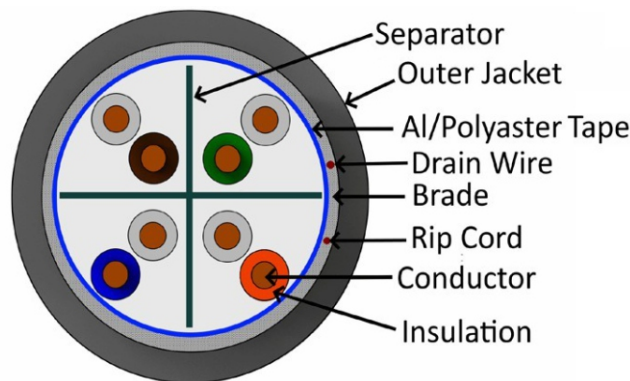


Cat 6 23AWG SF/UTP LSZH Cable

Copper | Cables | Cat 6



Category 6 SF/UTP Cable, 23 AWG solid wires, Overall shielded with AL-Foil and Tined Copper braiding (40%), cabled together and jacketed with LSZH compound.

KEY APPLICATIONS

- 10/100/1000Base-T, 10G
- ATM & Token Ring
- Power over Ethernet (PoE)

KEY FEATURES

- Designed to support Cat 6 Link and Channel performance
- Electrical performance up to 250 MHz
- Reduced electromagnetic radiation with the use of Al-foil, braiding and drain wire

STANDARDS COMPLIANCE

- ANSI/TIA-568.2-D
- ISO/IEC 11801 Ed. 2.0
- Flammability Rating: IEC 60332-1
- PH and Toxicity Index: IEC 60754-1&2
- Smoke Density Index IEC 61034-2
- RoHS2: Directives 2011/65/EU, 2015/863/EU

Cable Construction	
Outer Jacket Diameter	Ø7.5 ±0.3mm
Outer Jacket Material	LSZH
Conductor Material	Bare Copper
Conductor Size	23 AWG
Conductor Construction	Solid
Conductor unit lay - up	Twisted Pairs
NVP	69%
Insulation Material	High Density Polyethylene
Color Code	White- Blue, White- Orange, White- Green, White - Brown
Shield Design	Aluminum/Polyester tape 100% coverage with a drain wire
Overall Shielding	Tinned Copper braiding (40% coverage)
Drain Wire	Annealed Tinned Copper
Pairs Separator	Polyolefin

Electrical Characteristics at 20°C	
Frequency Range	1 - 250 MHz
Max. DC Resistance	9.83 Ω/100m
Max. Resistance Unbalance	5.0 %
Propagation Delay Skew:	45 nS
Mutual Capacitance	≤ 56 nF/Km
Capacitance Unbalanced	33 pF/Km
Characteristic Impedance	100 ± 15 Ω

Mechanical Properties	
Bending Radius	≥ 8 X Cable Diameter
Maximum Pulling Force	11.5 Kg
Operating Temperature	-20°C to +70°C
Installation Temperature	0°C to +50°C

ORDERING INFORMATION

P/N	DESCRIPTION
GC6CAST3GLS3X	Genius Cat 6 SFTP 23AWG LAN cable LSZH 305 mtr Gray