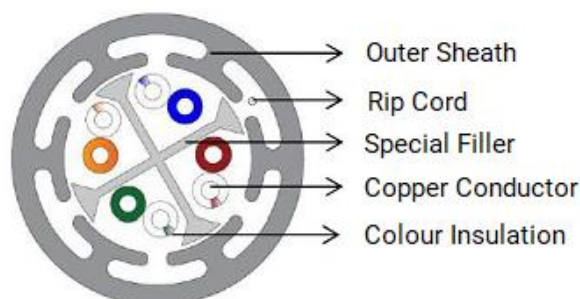


Category 6A U-UTP Cable – LSZH



High Speed 10Gigabit Ethernet U-UTP 500 MHz Class EA / Category 6A LSZH Cable is produced using HDPE Insulated 8 x 23 AWG Solid Bare Copper Conductors. This Cable comes with special filler designed for enhanced performance transmission of high speed data. The twisted pairs are covered with LSZH Outer Sheath. It supports 10/100/1000Base-T, 155Mbps ATM, IEEE 802.3an (10GBase-T) Standard.

Features

- 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
- Unique Insulation design to prevent Alien Crosstalk
- ETL Verified
- Covered under 3C3® Performance Warranty

Mechanical Specifications

Conductor AWG	:	23
Conductor Material	:	Solid bare Copper
Nominal Conductor diameter	:	0.57mm
Conductor Count	:	8
Insulation Material	:	High Density 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
Filler	:	Special filler
Drain Wire	:	No

Category 6A U-UTP Cable – LSZH

Outer Sheath	:	LSZH
Outer Sheath Color	:	Grey – RAL 7035
Outer Sheath Thickness	:	0.55±0.05mm
Overall cable diameter	:	7.5±0.03mm
Sequential Marking	:	At every meter
RIP Cord	:	Yes
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	:	74±%
Bending radius	:	Minimum 4X cable diameter
Pulling force	:	100N
Maximum propagation delay @500MHz	:	536ns
Propagation Delay Skew	:	45ns/100m
Maximum Attenuation @500Mhz &100m	:	45.3dB
Return loss@500MHz&100m	:	15.2
Insertion loss@500MHz&100m	:	45.3
NEXT@500MHz&100m	:	33.8
PS NEXT @500MHz&100m	:	31.8
ACRF(ELFEXT) @500MHz&100m	:	13.8
PSA NEXT @500MHz&100m	:	51.8
DC Loop Resistance	:	19Ω/100m
DC Resistance Unbalance (mΩ)	:	5%
Dielectric Strength Conductor to Shield	:	2.5kv DC for 2 seconds

Environmental Specifications

Installation Temperature	:	0°C to 50°C
Storage Temperature	:	-20°C to +70°C
Operating Temperature	:	-20°C to +75°C

Category 6A U-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 MDF Spool
Printing	: 3C3 4PR 23 AWG UUTP LSZH Solid Cable Cat6A 500MHz MM/YYYY XXXM
Nominal Weight	: 18.0 Kg

Regulatory Compliances/Certifications

- ETL Verified
- UL Verified
- RoHS Certified

Ordering Information

Product Code	Description
10300	High Speed 10G Ethernet U-UTP 500 MHz Class EA LSZH Cable, C6A