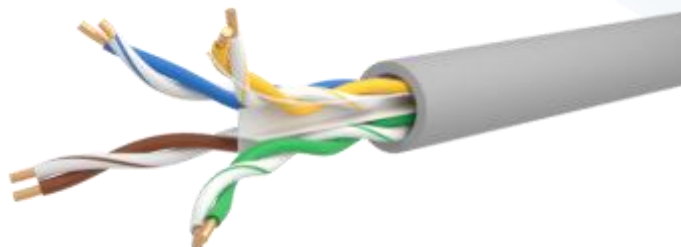# Category 6 UTP Cable - LSZH

High Speed Gigabit Ethernet UTP 250 MHz Class E / Category 6 Cable Consists of HDPE Insulated 8 x 23AWG Solid Bare Electrolytic Grade Copper Conductors Twisted as 4 Pairs, Rip Cord and LSZH Outer Jacket. This Cable is Suitable for Gigabit Ethernet (1000Base-T) applications for High-Speed Data, Voice & Video Signals over LANs, Server Farms and Other Bandwidth Sensitive Indoor Applications.

Features

- Complies to ANSI-TIA 568.2-D for Category 6 & ISO/IEC 11801 for Class E
- Fire Rating as per IEC 60332-1
- Testing performed up to 700 MHz to ensure quality and performance verification
- Maximum throughput, reliability and performance
- 4 Pair Separator Design
- ETL Verified & UL Listed
- Covered under 3C3® Performance Warranty

Mechanical Specifications

Conductor AWG	:	23
Conductor Material	:	Solid bare Copper
Conductor Count	:	8
Insulation Material	:	High Density 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
Drain Wire	:	No
Outer Sheath	:	LSZH
Outer Sheath Color	:	Grey
Outer Sheath Thickness	:	0.6mm
Overall cable diameter	:	5.9±0.30mm
RIP Cord	:	Yes
Cross filler	:	HDPE
Nominal Weight	:	14.0Kg

Category 6 UTP Cable - LSZH

Electrical Specifications

Characteristic Impedance	:	100Ω±15%
Conductor Resistance (DC)	:	≤9.38Ω/100m
Resistance Unbalance	:	5% max
Mutual Capacitance	:	<5.6nF
Capacitance Unbalance	:	330pF
Delay Skew	:	<45ns
NVP	:	69%
Bending radius	:	4X cable diameter
Pulling force	:	11.5kg
Maximum propagation delay @250MHz	:	490ns

Frequency	Max. IL (dB)	Min. NEXT (dB)	Min PSNEXT (dB)	Min ACRF (dB)	Min PSACRF (dB)	Min RL (dB)
250MHz	<32.8	>38.3	>36.3	>19.8	>16.8	>17.3

Environmental Specifications

Installation Temperature	:	0°C to 50°C
Storage Temperature	:	-20°C to +75°C
Operating Temperature	:	-20°C to +60°C

Flame Properties

Flammability Test	:	IEC 60332-1
Acid Gas Emission Test	:	IEC 60754-1
Smoke Density Test	:	ASTM 2843

Standard Compliance/Certifications

- ETL Verified 4-connector channel to ANSI/TIA-568.2-E and ISO/IEC 11801-1
- UL Listed
- RoHS Certified

Ordering Information

Product Code	Description
10200	High Speed Gigabit Ethernet U/UTP 250 MHz Class E LSZH Cable, C6