

LT-CAT6-UTP23A-LSZH

CAT6 UTP 23AWG Solid Bare Copper Cable, LSZH Rated for Indoor Use

The LT-CAT6-UTP23A-LSZH is a high-performance Category 6A cable designed for high-speed data transmission in indoor environments. Constructed with 23AWG solid conductors and Unshielded Twisted Pairs (UTP), it ensures excellent signal integrity and minimal crosstalk, making it ideal for 10 Gigabit Ethernet networks and other bandwidth-intensive applications.

Key Features

- CAT6a solid UTP for high-speed data up to 1 Gbps
- CMR (riser) rated for vertical installations
- 23 AWG solid copper conductors
- Supports bandwidth up to 250 MHz
- Durable PVC jacket
- Standards compliant (TIA/EIA & ISO/IEC)

Key Highlights

- Supports PoE/PoE+ applications
- Low attenuation, minimal crosstalk
- Durable for long-term use
- Easy to install with color-coded pairs

Applications

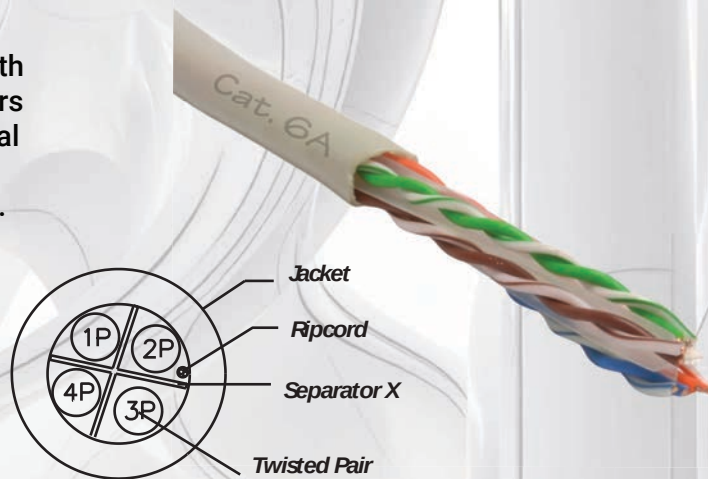
- Ideal for 10 Gigabit Ethernet (10GBASE-T), Gigabit Ethernet (1000BASE-T), and highspeed LAN connections in indoor environments

Cores Pairs

- P1 Blue & White/Blue
- P2 Orange & White/Orange
- P3 Green & White/Green
- P4 Brown & White/Brown

Standards Compliance:

- ANSI/TIA-568.2-D
- RoHS Compliant
- LSZH Rating



Specifications

Electrical Specifications	
Conductor	Solid Bare Copper, 23 AWG
Conductor Construction	1/0.575 mm
Insulation Material	HDPE
Nominal Insulation Thickness	0.22 mm
Nominal Insulation Diameter	1.03 mm
Jacket Material	LSZH
Nominal Jacket Thickness	0.55 mm
Outer Diameter	6.0 mm (±0.2 mm)
Electrical Characteristics (at 20°C)	
Max Conductor DC Resistance	93.8 Ω/km
Min Insulation Resistance	100 MΩ-km (HDPE)
Dielectric Strength	AC 500V/1 min
Performance	
Frequency Range	Up to 250 MHz
Attenuation (100 MHz)	19.1 dB
Tensile Strength of Jacket (kgf/mm²)	≥0.844
Operating Temperature	-20°C to +75°C
Packing List	
Box Size	420 x 260 x 409 mm
Pallet Size	1120 x 1120 x 120 mm
Quantity Per Pallet	44 Boxes

Frequency (MHz)	Attenuation (dB/100m)	NEXT (dB/100m)	PSNEXT (dB)	ACRF (dB/100m)	PSACRF (dB/100m)	RL (dB)	Delay (ns/100m)
1	2	74.3	72.3	67.8	64.8	20	570
4	3.8	65.3	63.3	55.8	52.8	23	552
10	6	59.3	57.3	47.8	44.8	25	545
100	19.8	44.3	42.3	27.8	24.8	20.1	538
250	32.8	38.3	36.3	19.8	16.8	17.3	536

