

LT-CAT6A-FUTP23A-PVC

CAT6A FUTP 23AWG Solid Bare Copper Cable

The LT-CAT6A-FUTP23A-PVC is a high-performance Category 6A cable designed for high-speed data transmission in indoor environments. Constructed with 23AWG solid conductors and Foiled Unshielded Twisted Pairs (F/UTP), it ensures excellent signal integrity and minimal crosstalk, making it ideal for 10 Gigabit Ethernet networks and other bandwidth-intensive applications.

Encased in a Low Smoke Zero Halogen (LSZH) jacket, the cable is engineered to enhance fire safety by reducing toxic emissions, making it a reliable choice for enterprise data centers, commercial buildings, and secure communication infrastructures.

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

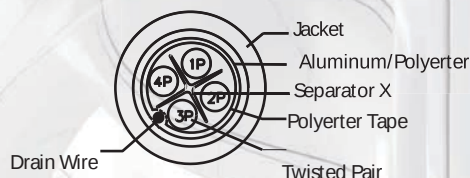
- Supports PoE/PoE+ applications
- Low attenuation, minimal crosstalk
- Durable for long-term use
- Easy to install with color-coded pairs

Applications

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

Standards Compliance:

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



Specifications

Electrical Specifications	
Conductor	Solid Bare Copper, 23 AWG
Conductor Construction	1/0.59 mm
Insulation Material	PE
Nominal Insulation Thickness	0.29 mm
Nominal Insulation Diameter	1.17 mm
Jacket Material	PVC
Nominal Jacket Thickness	0.55 mm
Outer Diameter	7.3 mm (±0.2 mm)
Electrical Characteristics (at 20°C)	
Max Conductor DC Resistance	93.8 Ω/km
Min Insulation Resistance	100 MΩ·km (PE) Dielectric Strength
Shield Type	Aluminum/Polyester Tape
Shield Coverage	≥125%
Drain Wire	Stranded Tinned Copper, 7/0.20TG
Separator	PE
Package List	
Box Size	365 x 350 x 330 cm
Pallet Size	1120 x 1120 x 120 mm
Quantity Per Pallet	54 Boxes

Frequency (MHz)	Attenuation (dB/100m)	NEXT (dB/100m)	PSNEXT (dB)	ACRF (dB/100m)	PSACRF (dB/100m)	RL (dB)	Delay (ns/100m)	PS ANEXT (dB/100 m)	PS AACRF (dB/100 m)
1	2.1	74.3	72.3	67.8	64.8	20	570	67	67
4	3.8	65.3	63.3	55.8	52.8	23	552	67	66.2
100	19.1	44.3	42.3	27.8	24.8	20.1	538	62.5	38.2
250	31.1	38.3	36.3	19.8	16.8	17.3	536	56.5	30.2

