

LT-CAT6-UTP23A-OD

CAT6 UTP 23AWG Solid Bare Copper Cable, Outdoor-Rated

The CAT6 UTP 23AWG Solid Cable with a LLDPE (Linear Low-Density Polyethylene) jacket is designed for outdoor use in harsh environments. This cable provides excellent protection against oil, UV, and moisture, making it ideal for outdoor network installations. The cable meets ANSI/TIA-568.2-D standards and supports Gigabit Ethernet applications with frequencies up to 250 MHz.

Key Features

- CAT6a solid LLDPE 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 LLDPE 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

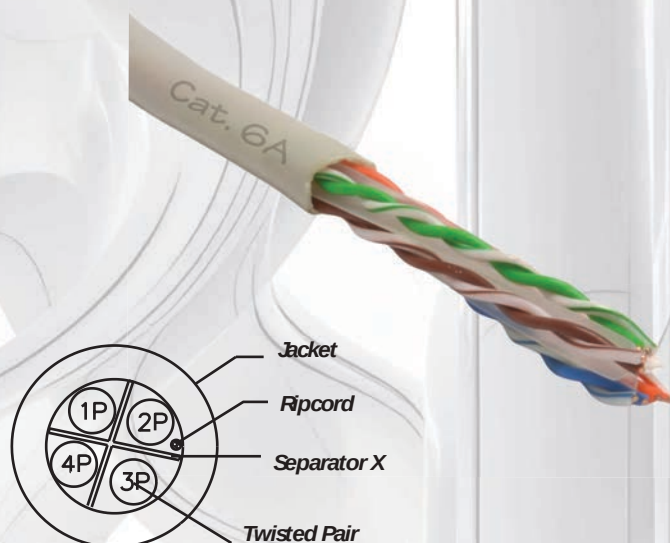
- Ideal for 10 Gigabit Ethernet (10GBASE-T), Gigabit Ethernet (1000BASE-T), and highspeed LAN connections in indoor environments

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



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	LLDPE
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)	19.8 dB
Tensile Strength of Jacket (kgf/mm ²)	≥0.844
Operating Temperature	-20°C to +75°C
Resistance to	UV, Oil, Moisture

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

