



VOLTAN

POWERING CONNECTIONS • ENERGIZING SOLUTIONS



Voltan Elevator Cable

Designed to move. Engineered to impress.

TECHNICAL SPECIFICATION

Frequency: Up to 250 MHz (Cat6), 500 MHz (Cat6A)

Conductor: Copper, multi-conductor, 23 AWG, 0.56 mm diameter

Insulation: HDPE, 1.0 mm diameter, 0.18 mm thickness

Jacket Material: Flexible PVC or LSZH/PE

Cable Structure: Twisted pair, no Mylar tape, no shielding, rip cord included

Pair colors: White-Blue/Blue, White-Orange/Orange, White-Green/Green, White-Brown/Brown

Resistance: 7.0 Ω/100m

Insulation Resistance: 5000 MΩ·KM at 20°C, 500V

Capacitance: Mutual capacitance of a pair is 5.6 pF/100m

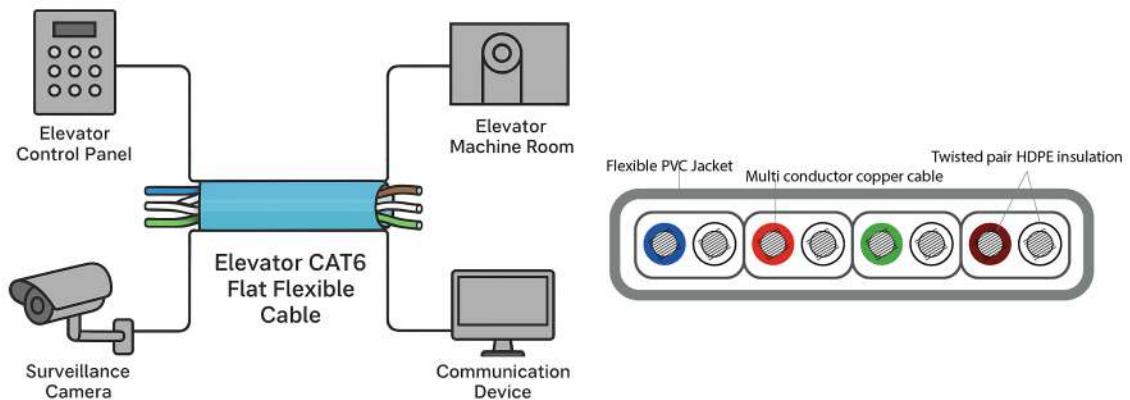
Dielectric Strength: DC 1.0 kV for 1 minute

Transmission Performance: Meets Cat6/Cat6A requirements for NEXT, PSNEXT, ACR-F, PSACR-F, Return Loss, Insertion Loss, Impedance at various frequencies up to 250 MHz / 500 MHz.

Reference Standards: EN50288-5-1, ANSI/TIA/EIA-568-5-2000, EN 55032, EN 55035,

ISO/IEC 11801 (2011 Ed 2.2 Class E)

INSIGHTS



This cable is purpose-built for elevator installations where both exceptional flexibility and reliable data transmission are critical. Designed to meet major international standards, it ensures broad compatibility and adheres to stringent safety requirements. Its use of twisted pair construction effectively minimizes signal interference and crosstalk, making it especially suitable for electrically noisy environments such as elevator shafts.



TYPICAL APPLICATION

Engineered specifically for elevator control system data transmission, this cable serves a wide range of applications within elevator environments. It is commonly used to connect control panels with communication devices and sensors, enabling seamless operation and monitoring. The cable also supports elevator surveillance systems, integrates with building management platforms, and facilitates audio/video transmission as well as IP device connectivity, ensuring reliable performance across multiple elevator-related functions.

PRODUCT FEATURES

- Flat, flexible design optimized for elevator cable trays and dynamic motion environments
- Available in PVC, LSZH, or PE jackets to meet fire safety standards and environmental regulations
- Supports high-speed data transmission for advanced elevator control systems (Cat6/Cat6A compliant)
- Twisted pair architecture engineered to minimize crosstalk and electromagnetic interference
- Integrated rip cord enables quick and hassle-free stripping during installation
- Distinct color-coded pairs ensure easy identification and streamlined connectivity

WHY CHOOSE OUR ELEVATOR CABLES?

Engineered specifically for elevator applications and tight-space installations, our cable ensures reliable data signal integrity even under continuous flexing. It complies with or surpasses international standards for data cabling, including Cat6 and Cat6A classifications. Safety is further enhanced through the option of a Low Smoke Zero Halogen (LSZH) jacket, minimizing toxic emissions in case of fire. Widely deployed in building automation, signaling systems, IP video setups, and high-speed data transmission environments, the cable also streamlines installation thanks to its flexible design and integrated rip cord.

ORDER INFORMATION

Part No.	Description
NTVLC623P	Voltan Cat6 Flat lift travel multi conductor Flexible cable, 23 Awg, 250 Mhz, PVC, 305m
NTVLC6A23P	Voltan Cat6A Flat lift travel multi conductor Flexible cable, 23 Awg, 500 Mhz, PVC, 305m

VOLTAN

Voltan Technology Limited stands as a dedicated leader in the electrical and electronics manufacturing industry, with a strong footprint across diverse sectors.

Recognized globally as a specialist in low voltage solutions, we operate from our headquarters in London, UK. Delivering advanced, efficient methodologies to meet the dynamic needs of our clients.

Our comprehensive portfolio includes UPS systems, LAN & Control cables, Network Racks, and IP enclosures. We are proud to support a wide array of industries, including government, hospitality, education, healthcare, utilities, media and entertainment.

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