

## SCHNELL CAT 6A UTP 23 AWG 4 PAIR ELEVATOR CABLE

Schnell Category 6A UTP Elevator Cable is specially designed for vertical moving applications like elevators and lifts. Built with high-flexibility stranded copper conductors and a durable LSZH jacket, it supports 10 Gigabit Ethernet, is tested up to 500 MHz, and offers excellent NEXT and ACRF performance. Suitable for high-performance structured cabling in dynamic environments.



### DIAGRAM & CONSTRUCTION

Conductor Material	: Bare Copper		Twisting	: UTP (Unshielded Twisted Pair)
Conductor Size	: 23 AWG		Separator	: Cross Filler (Optional)
Conductor	: Stranded (7/0.20		Outer Jacket Material	: LSZH or PVC
Construction	mm or similar)		Outer Jacket Color	: Custom (Black/Grey/Yellow etc.)
Insulation Material	: HDPE			

### ELECTRICAL CHARACTERISTICS

Impedance	: 100 ±10 Ω
DC Resistance	: ≤ 9.38 Ohm/100 m
Resistance Unbalance	: ≤ 5%
Mutual Capacitance	: ≤ 5.6 nF/100 m
NEXT @ 500 MHz	: ≥ 35 dB
ACRF @ 500 MHz	: ≥ 20 dB
Dielectric Strength	: 1.0 kV/min
Operating Voltage	: 300V DC

### PHYSICAL CHARACTERISTICS

Cable Outer Diameter	: 6.5 – 7.3 mm
Cable Type	: High-flex, elevator-rated
Bend Radius (Dynamic)	: 10 × OD
Bend Radius (Static)	: 4 × OD
Operating Temperature	: -20°C to +75°C
Installation Temperature	: 0°C to +60°C
Movement Cycles (Min.)	: ≥ 2 million

### KEY FEATURES

- Designed for elevator and lift systems
- Flexible stranded copper for dynamic use
- Tested to 500 MHz for 10GBASE-T applications
- LSZH jacket for safe, low-smoke performance

### KEY APPLICATIONS

- Elevator communication systems
- Vertical cable runs in buildings
- PoE and 10G Ethernet in moving environments
- Smart building automation and control

### REACTION TO FIRE

Flame Retardant	: IEC 60332-1-2
Smoke Density	: IEC 61034-2
Halogen Emission	: IEC 60754-1/2
LSZH Rating	: Compliant

### STANDARDS

- ISO/IEC 11801 Class EA
- ANSI/TIA-568.2-D
- IEC 61156-5
- EN 50173-1
- RoHS & REACH Compliant

### PART NUMBER

Part Number	Description
SCZ-5010C6A23ELBK	SCHNELL CAT6A UTP 23 AWG 4 PAIR ELEVATOR CABLE PVC

