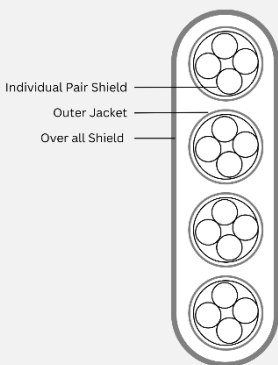


SCHNELL CAT 6A UTP 23 AWG 16 PAIR ELEVATOR CABLE

Schnell Category 6A UTP 16 Pair Elevator Cable is engineered for high-speed vertical data transmission in elevator and lift systems. It supports 10G Ethernet over 100 meters, tested to 500 MHz, and features a flat, flexible design ideal for continuous motion. Its LSZH jacket enhances fire safety, while the unshielded twisted pair construction ensures signal integrity and ease of termination.



DIAGRAM & CONSTRUCTION

Conductor : Bare Copper Material Conductor Size : 23 AWG Conductor Type : Stranded Number of Pairs : 16 Pairs (32 conductors) Insulation Material : Polyethylene (PE)		R Twisting : Unshielded Twisted Pair (UTP) Outer Jacket Material : LSZH (Low Smoke Zero Halogen) Cable Type : Flat, elevator-rated Color Code : Per TIA/EIA-568B Rip Cord : Included, grey jacket
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ELECTRICAL CHARACTERISTICS

Impedance	: 100 ±10 Ω
DC Resistance	: ≤ 9.38 Ohm/100 m
Resistance Unbalance	: ≤ 5%
NEXT @ 500 MHz	: ≥ 35 dB
ACRF @ 500 MHz	: ≥ 20 dB
Mutual Capacitance	: ≤ 5.6 nF/100 m
Dielectric Strength	: ≥ 1 kV/min
Operating Voltage	: 300V DC

PHYSICAL CHARACTERISTICS

Outer Jacket Color	: Black / Grey / Custom
Cable Design	: Flat for flexibility
Outer Diameter	: Customized per 16-pair layout
Bend Radius (Dynamic)	: ≥ 10 × OD
Operating Temp. Range	: -20°C to +75°C
Installation Temp.	: 0°C to +60°C
Movement Cycles	: ≥ 2 million cycles

KEY FEATURES

- Flat design ideal for elevator shaft routing
- UTP construction for lightweight and flexibility
- Tested to 500 MHz, supports 10GBASE-T
- LSZH jacket ensures low smoke and flame spread

KEY APPLICATIONS

- Vertical structured cabling in lifts
- Elevator system data transmission
- High-rise building automation systems
- Industrial and commercial control

REACTION TO FIRE		STANDARDS
Flame Retardancy	: IEC 60332-1-2	<ul style="list-style-type: none"> • ISO/IEC 11801 Class EA • ANSI/TIA-568.2-D • IEC 61156-5 • EN 50173-1 • RoHS & REACH Compliant
Smoke Density	: IEC 61034-2	
Halogen Emission	: IEC 60754-1/2	
LSZH Compliance	: Confirmed	

PART NUMBER

Part Number	Description
SCZ-5010C6A2316ELGY	SCHNELL CAT 6A UTP 23 AWG 16 PAIR ELEVATOR CABLE PVC