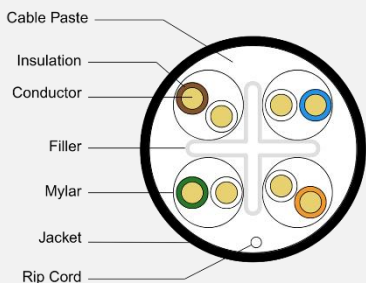


## SCHNELL CAT6 U/UTP 23 AWG 4 PAIR OUTDOOR CABLE

Schnell Category 6 UTP cables exceed Cat 6/Class E specifications and are tested up to 250 MHz, supporting Gigabit 1000Base-T and 1000Base-TX applications up to 100 meters. With superior pair-balance, they enhance EMC, reduce signal radiation, and improve noise immunity and alien crosstalk. Built tough, these external cables are ideal for industrial use and direct sunlight exposure.



### DIAGRAM & CONSTRUCTION

Conductor Material	: Bare Copper		Color Code	: Per TIA/EIA 568-B
Conductor Size	: 23 AWG		Total Number of Wires	: 8
Conductor Type	: Solid		Rip Cord	: Yes, Nylon
Insulation Material	: High Density PE		Outer Jacket Material	: PVC / LSZH
Insulation Thickness	: 0.225 mm		Outer Jacket Thickness	: 0.60 ± 0.55 mm
Insulation Diameter	: 1.03 ± 0.02 mm		Outer Jacket Diameter	: 6.3 mm ± 0.20 mm
Inner Layer Pitch	: 30 mm		Outer Jacket color	: Black
REF				
Outside Layer cross	: 100 ± 0.02 mm			

### ELECTRICAL CHARACTERISTICS

Insulation Resistance	: Min 5000 mega ohms-km at 20°C
Dielectric Test	: 1000V DC /1 min No Breakdown
Temperature Rating	: 60°C
Voltage Rating	: 30 V

### PHYSICAL CHARACTERISTICS

Operating Temperature	: -20°C to +75°C
Min Bend Radius	: 53.6 mm
Tensile Strength	: 110 N

### KEY FEATURES

- Supports IEEE 802.3af, 802.3at (PoE+), and 802.3bt (PoE++) applications
- Suitable for high-speed data, voice, and power transmission
- Gigabit Support: Handles 1000Base-T/Tx up to 100m.
- Low Crosstalk: Superior EMC and noise reduction.
- Outdoor-Ready: UV-resistant for harsh environments.
- High Bandwidth: Tested up to 250 MHz.

### KEY APPLICATIONS

- Supports Gigabit Ethernet
- PoE/PoE+/PoE++ devices
- LAN cabling, data centers
- IP surveillance, smart building systems
- LSZH-required environments.

### REACTION TO FIRE

Material Identifier	: HF1
Material Description	: Standard HFFR-LS
Flammability Rating	: IEC/EN 60332-1-2
Classification / Euro Class	: Eca

### STANDARDS

- ANSI/TIA-568.2-D Category 6 compliant
- ISO/IEC 11801 Class E and IEC 61156-5 certified
- Flame retardant and LSZH rated (IEC 60332-1, IEC 60754, IEC 61034)

**TRANSMISSION PERFORMANCE**

Freq. MHz	Attenuation dB/100m @ 20°C	NEXT dB	PSNEXT dB	RL dB	ELFEXT dB	PS.ACRF dB
1	1.9	87.6	82.6	28.0	85.0	80.0
4	3.5	79.2	74.2	30.0	73.0	68.0
10	5.6	73.3	68.3	29.0	65.0	60.2
20	8.4	69.1	63.8	29.0	59.0	54.0
31.25	10.0	66.0	61.1	28.6	55.1	50.3
100	18.9	58.0	53.0	25.1	45.0	40.1
150	24.0	55.2	50.7	23.8	41.8	36.9
200	26.1	53.0	48.0	22.8	39.0	33.8
250	30.0	52.6	47.6	22.0	37.8	32.8

**PACKING INFORMATION**

Part Number	Packing Mode	Roll Length	N.W (kg)	G.W (kg)	Dimension (mm)
SCZ-5010C6UTPOBK	Plywood Reel/Ctn	305 Mtr	19.1	20.0	380 x 380 x 260
SCZ-5010C6UTPOLSBK	Plywood Reel/Ctn	305 Mtr	19.1	20.0	380 x 380 x 260

**PART NUMBER**

Part Number	Description
SCZ-5010C6UTPOBK	SCHNELL CAT6 U/UTP 23 AWG 4 PAIR OUTDOOR CABLE
SCZ-5010C6UTPOLSBK	SCHNELL CAT6 U/UTP 23 AWG 4 PAIR OUTDOOR CABLE LSZH