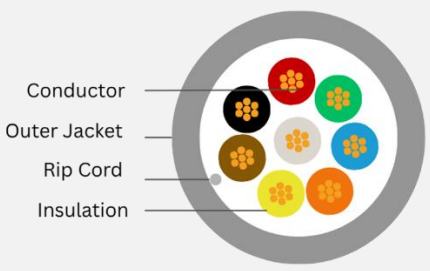


SCHNELL 8 CORE 20 AWG UNSHIELDED MULTI CONDUCTOR CABLE

SCHNELL 8-Core 20 AWG Unshielded Multi-Conductor Cable is ideal for control, signaling, and industrial applications. It features stranded copper conductors with PE insulation and a flexible PVC or LSZH outer jacket. With reliable mechanical durability and low capacitance, it is well-suited for building automation, audio, and instrumentation installations.



DIAGRAM & CONSTRUCTION

<p>Conductors : Bare Copper 20 AWG (7×28)</p> <p>Conductor Size : 20 AWG</p> <p>Core count : 8</p>	 <p>Conductor</p> <p>Outer Jacket</p> <p>Rip Cord</p> <p>Insulation</p>	<p>Insulation : PE (Polyethylene)</p> <p>Rip Cord : Nylon</p> <p>Outer Jacket : PVC or LSZH, Grey</p>
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ELECTRICAL CHARACTERISTICS

Nominal Capacitance	: ~92 pF/m between conductors
Conductor Resistance	: ~31.5 Ω/km
Maximum Voltage	: 300 V UL-rated
Cold Bend Performance	: No cracking at -20 °C
Tensile Strength	: ≥ 13.8 MPa

PHYSICAL & MECHANICAL CHARACTERISTICS

Nominal Jacket Diameter	: ~6.2 mm
Insulation Thickness	: ~0.20 mm
Jacket Thickness	: ~0.40 mm
Max Pulling Tension	: ~400 N
Min Bending Radius	: ~62 mm (10× OD)
Temperature Range	: -10 °C to +75 °C

KEY FEATURES

- Flexible stranded copper for ease of routing
- PE insulation with excellent dielectric properties
- Available in PVC or LSZH jacket types
- Strong tensile and bending durability

KEY APPLICATIONS

- Industrial control and automation wiring
- Public address and audio cabling
- Instrumentation and sensor circuits
- Building and HVAC control systems

REACTION TO FIRE

Flame Retardant Jacket	: Complies with IEC 60332-1
Smoke Emission (LSZH)	: Low smoke output
Halogen Content (LSZH)	: Halogen-free
High Temp Integrity	: Maintains insulation under fire

STANDARDS

- UL 2464 Communication Cable
- ANSI/TIA-568.2-D Structured Cabling
- ISO/IEC 11801 Cabling Standards
- RoHS Compliant
- IEC 60332-1 Flame Resistance

PART NUMBER

Part Number	Description
SCZ-9010820UMC1	SCHNELL 8C X 0.52 MM (20 AWG) UNSHIELDED MULTI CONDUCTOR CABLE LSZH 100 MTR
SCZ-9010820UMC2	SCHNELL 8C X 0.52 MM (20 AWG) UNSHIELDED MULTI CONDUCTOR CABLE LSZH 305 MTR

