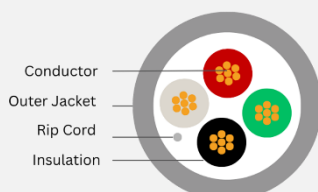


## SCHNELL 4 CORE 20 AWG UNSHIELDED MULTI CONDUCTOR CABLE

SCHNELL 4-Core 20 AWG Unshielded Multi-Conductor Cable is ideal for control, signaling, and industrial communication applications. Designed with stranded copper conductors, PE insulation, and a robust PVC or LSZH outer jacket, it offers excellent durability, ease of installation, and performance in low-voltage wiring environments.



### DIAGRAM & CONSTRUCTION

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

### ELECTRICAL CHARACTERISTICS

Nominal Capacitance	: ~72 pF/m between conductors
Conductor Resistance	: ~31.5 Ω/km
Operating Voltage	: 300 V
Dielectric Strength	: ≥ 1000 V for 1 minute
Cold Bend Test	: No cracking at -20°C

### PHYSICAL & MECHANICAL CHARACTERISTICS

Jacket Diameter	: ~4.1 mm
Insulation Thickness	: ~0.20 mm
Jacket Thickness	: ~0.40 mm
Pulling Tension	: 222 N
Min. Bending Radius	: 33 mm (minor axis)
Operating Temperature	: -10°C to +60°C

### KEY FEATURES

- Flexible and durable stranded copper conductor
- Excellent signal integrity with PE insulation
- PVC/LSZH outer jacket with optional flame resistance
- Smooth installation and strong mechanical performance

### KEY APPLICATIONS

- Industrial control systems
- Audio and signaling networks
- Building automation wiring
- Low-voltage instrumentation circuits

### REACTION TO FIRE

Flame Retardant Jacket	: IEC 60332-1 Compliant
Smoke Emission (LSZH)	: Low smoke output
Halogen Content	: Halogen-free (LSZH only)
Thermal Resistance	: Withstands elevated temp

### STANDARDS

- UL 2464 (Communication Cables)
- ANSI/TIA-568.2-D
- ISO/IEC 11801
- RoHS Compliant
- IEC 60332-1

### PART NUMBER

Part Number	Description
SCZ-9010420UMC1	SCHNELL 4C X 0.52 MM (20 AWG) UNSHIELDED MULTI CONDUCTOR CABLE LSZH 100 MTR
SCZ-9010420UMC2	SCHNELL 4C X 0.52 MM (20 AWG) UNSHIELDED MULTI CONDUCTOR CABLE LSZH 305 MTR