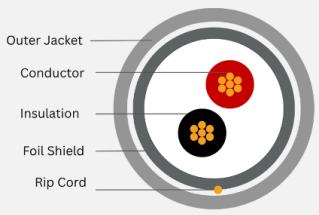


SCHNELL 2 CORE 20 AWG SHIELDED MULTI CONDUCTOR CABLE

Schnell 2-Core 20 AWG Shielded Multi-Conductor Cable is designed for audio, control, and instrumentation applications where EMI protection is critical. Featuring PE insulation, 100% aluminum/polyester foil shielding with tinned copper drain, and a PVC or LSZH outer jacket, it delivers reliable signal integrity and durability in demanding environments.



DIAGRAM & CONSTRUCTION

Conductor	: Bare Copper, 20 AWG (7 × 28 strands) : High-Density		Shielding	: 100% Aluminum Foil & Polyester Tape + Tinned Copper Drain
Insulation	: Polyethylene (PE)		Outer Jacket	: PVC or LSZH
Rip cord	: Nylon		Jacket Color	: Grey

ELECTRICAL CHARACTERISTICS

Conductor DC Resistance	: 33.8 Ω/km
Dielectric Strength	
Max Operating Voltage (UL Rated)	: 1.5 kV AC / 5 min : 300 V RMS

PHYSICAL & MECHANICAL CHARACTERISTICS

Number of Conductors	: 2
Conductor Size	: 20 AWG (7×28 strands)
Jacket Diameter	: 3.50 mm
Jacket Thickness	: 0.44 mm
Minimum Bend Radius	: 28 mm
Max Pulling Tension	: 80 N
Operating Temperature	: -10 °C to +60 °C

KEY FEATURES

- Full foil-polyester shielding with tinned drain for EMI/RFI protection
- PE insulation and rugged PVC/LSZH jackets for durability
- Ideal for audio, control, and instrumentation wiring in noisy environments

KEY APPLICATIONS

- Industrial audio/control systems
- Instrumentation in manufacturing environments
- Equipment wiring near motors or heavy machinery
- HVAC, elevator, and security system signal wiring

REACTION TO FIRE

Jacket Options	: PVC or LSZH (low smoke)
Cold Bend Fire Safety	satisfied : No cracking at -20 °C (4 hr test)

STANDARDS

- UL 758 / UL 1581 for 300 V rating
- RoHS and REACH compliant
- PVC/LSZH & IEC/ASTM

PART NUMBER

Part Number	Description
SCZ-9010220SMC1	SCHNELL 2C X 0.52 MM (20 AWG) SHIELDED MULTI CONDUCTOR CABLE LSZH 100 MTR
SCZ-9010220SMC2	SCHNELL 2C X 0.52 MM (20 AWG) SHIELDED MULTI CONDUCTOR CABLE LSZH 305 MTR