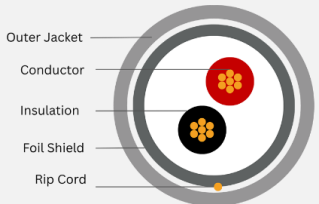


SCHNELL 2 CORE 18 AWG SHIELDED MULTI CONDUCTOR CABLE

SCHNELL 2 Core 18 AWG Shielded Multi-Conductor Cable is ideal for commercial audio, instrumentation, and control signal applications. Constructed with bare copper conductors, PE insulation, aluminum foil shielding with drain wire, and a PVC or LSZH jacket, it ensures high performance in EMI-prone environments. Flexible and durable, it supports reliable data transmission across long distances.



DIAGRAM & CONSTRUCTION

Conductor	: Bare Copper, 18 AWG (16/30)		Shielding	: 100% Aluminum Foil & Polyester Tape + Tinned Copper Drain
Insulation	: High-Density Polyethylene (PE)		Outer Jacket	: PVC or LSZH
Rip Cord	: Nylon		Jacket Color	: Grey

ELECTRICAL CHARACTERISTICS

Nominal Capacitance	: 74.2 pF/m
Conductor Resistance (DCR)	: 20.9 Ω/km
Max. Operating Voltage	: 300 V
Max. Current @ 25°C	: 5.7 Amps
Impedance	: 68.3 Ω

PHYSICAL & MECHANICAL CHARACTERISTICS

Number of Conductors	: 2
Insulation Thickness	: 0.25 mm
Insulation Diameter	: 1.90 mm
Jacket Thickness	: 0.50 mm
Overall Diameter	: 5.50 mm
Max. Pulling Tension	: 260 N
Min. Bending Radius (Minor)	: 55 mm
Operating Temperature Range	: -10°C to +75°C

KEY FEATURES

- Superior EMI protection via aluminum foil shielding
- Robust and flame-retardant PVC/LSZH jacket
- Flexible construction for easy routing and handling
- Reliable performance in control and signal systems

KEY APPLICATIONS

- Audio and public address systems
- Instrumentation and control panels
- Commercial automation systems
- Low voltage signal transmission

REACTION TO FIRE

Flame Retardant	: IEC 60332-1 Compliant
Smoke Emission	: Low (with LSZH option)
Toxicity	: Halogen-Free (LSZH)
Insulation Integrity	: Maintained under exposure

STANDARDS

- UL 13 Power-Limited Circuit Cable
- IEC 60332-1 Flame Resistance
- RoHS Compliant
- ANSI/TIA-568.2-D Structured Cabling
- ISO/IEC 11801 Cabling Standards

PART NUMBER

Part Number	Description
SCZ-9010218SMC1	SCHNELL 2C X 0.75 MM (18 AWG) SHIELDED MULTI CONDUCTOR CABLE LSZH 100 MTR
SCZ-9010218SMC2	SCHNELL 2C X 0.75 MM (18 AWG) SHIELDED MULTI CONDUCTOR CABLE LSZH 305 MTR

