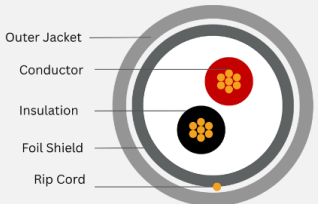


SCHNELL 2 CORE 16 AWG SHIELDED MULTI CONDUCTOR CABLE

SCHNELL 2 Core 16 AWG Shielded Multi-Conductor Cable is engineered for precise signal transmission in control, instrumentation, and audio applications. Featuring bare copper conductors, polyethylene insulation, and an aluminum foil shield with drain wire, it ensures excellent noise immunity and signal integrity. A durable PVC or LSZH outer jacket offers robust mechanical and fire protection.



DIAGRAM & CONSTRUCTION

Conductor	: Bare Copper, 16 AWG (26/30)		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	: 76.4 pF/m
Conductor Resistance (DCR)	: 13.2 Ω/km
Max. Operating Voltage	: 300 V
Max. Current @ 25°C	: 8.5 Amps
Impedance	: 68.3 Ω

PHYSICAL & MECHANICAL CHARACTERISTICS

Number of Conductors	: 2
Insulation Thickness	: 0.25 mm
Insulation Diameter	: 2.20 mm
Jacket Thickness	: 0.55 mm
Overall Diameter	: 6.00 mm
Max. Pulling Tension	: 310 N
Min. Bending Radius (Minor)	: 60 mm
Operating Temperature Range	: -10°C to +75°C

KEY FEATURES

- Excellent shielding performance for noise-sensitive applications
- Durable and flexible jacket for ease of installation
- Superior signal integrity with high-conductivity copper
- Ideal for professional-grade control and audio systems

KEY APPLICATIONS

- Industrial control and automation
- Audio transmission systems
- Building automation systems
- Instrumentation cabling

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 Retardancy
- RoHS Compliant
- ISO/IEC 11801 Cabling Standard
- ANSI/TIA-568.2-D Structured Cabling

PART NUMBER

Part Number	Description
SCZ-9010216SMC1	SCHNELL 2C X 1.5 MM (16 AWG) SHIELDED MULTI CONDUCTOR CABLE LSZH 100 MTR
SCZ-9010216SMC2	SCHNELL 2C X 1.5 MM (16 AWG) SHIELDED MULTI CONDUCTOR CABLE LSZH 305 MTR

