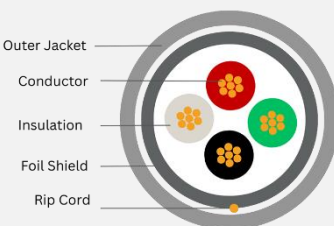


SCHNELL 4 CORE 20 AWG SHIELDED MULTI CONDUCTOR CABLE

SCHNELL 4 Core 20 AWG Shielded Multi-Conductor Cable is designed for reliable data, control, and signal transmission in demanding environments. It features stranded copper conductors, PE insulation, and an overall aluminum foil shield with drain wire, enclosed in a durable PVC or LSZH jacket. Ideal for EMI-sensitive installations requiring superior electrical performance.



DIAGRAM & CONSTRUCTION

Conductor	: Stranded Bare Copper (20 AWG, 7x28)		Shield	: Aluminum Foil with Drain Wire
Core count	: 4		Rip Cord	: Nylon
Insulation	: Polyethylene (PE)		Outer Jacket	: PVC / LSZH
			Jacket Color	: Grey

ELECTRICAL CHARACTERISTICS

Nominal Capacitance	: ~72 pF/m
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	: ~4.8 mm
Insulation Thickness	: ~0.20 mm
Jacket Thickness	: ~0.40 mm
Pulling Tension	: 222 N
Min. Bending Radius	: 38 mm (minor axis)
Operating Temperature	: -10°C to +60°C

KEY FEATURES

- Overall aluminum foil shield for EMI protection
- Durable and flexible construction
- Suitable for PVC or LSZH jacket options
- Ideal for low-voltage and control circuits

KEY APPLICATIONS

- Industrial and commercial control systems
- Data acquisition and instrumentation
- Signal and security wiring
- EMI-sensitive environments

REACTION TO FIRE

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

STANDARDS

- UL 2464
- ISO/IEC 11801
- ANSI/TIA-568.2-D
- IEC 60332-1
- RoHS Compliant

PART NUMBER

Part Number	Description
SCZ-9010420SMC1	SCHNELL 4C X 0.52 MM (20 AWG) SHIELDED MULTI CONDUCTOR CABLE LSZH 100 MTR
SCZ-9010420SMC2	SCHNELL 4C X 0.52 MM (20 AWG) SHIELDED MULTI CONDUCTOR CABLE LSZH 305 MTR