

SCHNELL 8 CORE 20 AWG SHIELDED MULTI CONDUCTOR CABLE

SCHNELL 8 Core 20 AWG Shielded Multi-Conductor Cable is designed for high-performance control, signal, and communication applications. It features stranded bare copper conductors, polyethylene insulation, an aluminum foil shield with drain wire, and a durable PVC or LSZH jacket. Ideal for environments requiring enhanced EMI protection and mechanical strength.

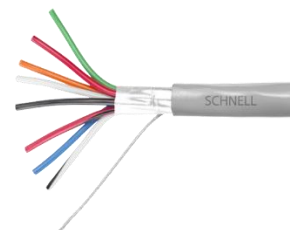
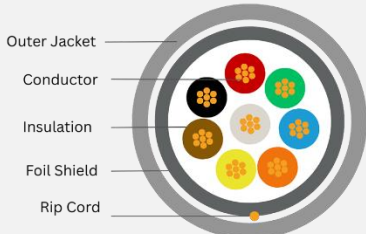


DIAGRAM & CONSTRUCTION

Conductor	: Stranded Bare Copper (20 AWG, 7×28)		Shield	: Aluminum Foil with Drain Wire
Core count	: 8		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

Insulation Thickness	: ~0.20 mm
Jacket Thickness	: ~0.45 mm
Jacket Diameter	: ~6.90 mm
Pulling Tension	: ~408 N
Min. Bending Radius	: ~69 mm (minor axis)
Operating Temperature	: -10°C to +60°C

KEY FEATURES

- Overall foil shielding reduces EMI interference
- Flexible and robust for industrial applications
- Flame-retardant and RoHS compliant
- LSZH option available for low-smoke environments

KEY APPLICATIONS

- Industrial automation and instrumentation
- Access control and security systems
- Signal and communication transmission
- EMI-sensitive commercial installations

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

PART NUMBER

Part Number	Description
SCZ-9010820SMC1	SCHNELL 8C X 0.52 MM (20 AWG) SHIELDED MULTI CONDUCTOR CABLE LSZH 100 MTR
SCZ-9010820SMC2	SCHNELL 8C X 0.52 MM (20 AWG) SHIELDED MULTI CONDUCTOR CABLE LSZH 305 MTR