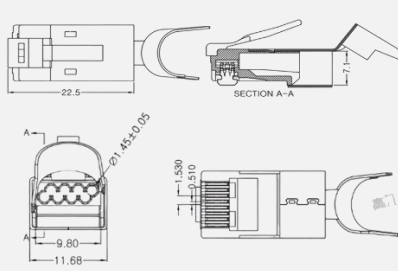


SCHNELL CAT 6A SFTP RJ45 CONNECTOR

SCHNELL CAT6A RJ45 Shielded Connector is engineered for high-performance 10 Gigabit Ethernet applications. It supports frequencies up to 500 MHz and offers superior shielding to reduce EMI and crosstalk. Designed for 23–26 AWG solid or stranded cables with large-diameter conductors and insulation, the connector ensures a secure fit with its crimp tail design and gold-plated contacts.



DIAGRAM & CONSTRUCTION

<p>Housing Material : Polycarbonate, UL94V-0 flame retardant</p> <p>Shielding : Full metal shield with crimp tail design</p> <p>Contact Blade : Phosphor Bronze</p>		<p>Contact Plating : 50µ" Gold over Nickel</p> <p>Cable Compatibility : 23–26 AWG, Solid or Stranded</p> <p>Cable OD Compatibility : 6.0 – 7.5 mm</p> <p>Insulation OD Range : 0.98 – 1.08 mm</p> <p>Connector Format : RJ45 8P8C, 2-piece with load bar</p>
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ELECTRICAL CHARACTERISTICS

Impedance	: 100 ±15 Ω
Frequency Range	: Up to 500 MHz
Voltage Rating	: 150 V max
Contact Resistance	: ≤ 20 mΩ
Insulation Resistance	: ≥ 500 MΩ
Dielectric Strength	: 1000 V AC for 60 seconds

MECHANICAL CHARACTERISTICS

Insertion Cycles	: ≥ 750
Operating Temperature	: -10°C to +60°C
Crimp Tail Retention	: Ensures strain relief and firm contact
Connector Type	: Tool-crimpable plug with ground tab

KEY FEATURES

- Shielded crimp-tail design enhances EMI protection
- Compatible with Cat6A and Cat7 round cables
- 50µ" gold-plated contacts ensure long-lasting connection
- Accommodates large OD cables and thick insulation

KEY APPLICATIONS

- High-density network patch panels and switchgear
- Industrial and EMI-prone environments
- PoE/PoE+ installations requiring reliable shielding
- Precision terminations in structured cabling systems

PART NUMBER

Part Number	Description
SCZ-C6ARJSFTP	SCHNELL CAT 6A SFTP RJ45 CONNECTOR