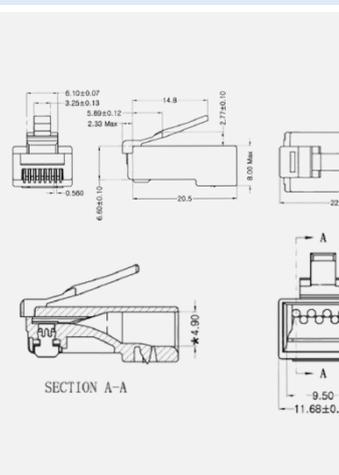


SCHNELL CAT6 RJ45 PASS THROUGH CONNECTOR

Schnell Category 6 RJ45 pass-through connectors deliver high-performance terminations for Gigabit Ethernet (1000BASE-T) and future-ready applications. Designed for 23–26 AWG solid or stranded cables, they support up to 250 MHz. The pass-through design ensures faster, more accurate wiring. Ideal for reliable patch cord assembly and reduced signal loss.



DIAGRAM & CONSTRUCTION

| | | |
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| <p>Housing Material : Polycarbonate (UL 94 V-0 flame rated)</p> <p>Contact Blade : Copper Alloy</p> <p>Contact Surface Material : Gold over Nickel</p> <p>Gold Plating Thickness : 3µ" to 50µ"</p> |  | <p>Connector Design Type : 2-piece (RJ45 plug + Loading Bar)</p> <p>Wire Compatibility : 23–26 AWG, Solid or Stranded</p> <p>Available Colors : Transparent (custom colors on request)</p> |
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ELECTRICAL CHARACTERISTICS

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|-----------------------|-------------------------------------|
| Voltage Rating | : 1000 Volts AC / 60 sec |
| Contact Resistance | : ≤ 20 mΩ |
| Insulation Resistance | : ≥ 500 MΩ |
| Dielectric Withstand | : 1000V AC |
| Compatibility | : IEEE 802.3af / 802.3at (PoE/PoE+) |

MECHANICAL CHARACTERISTICS

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|-----------------------|-----------------------------|
| Insertion Durability | : ≥ 1200 Cycles |
| Operating Temperature | : -40°C to +70°C |
| Humidity Tolerance | : 0–90% RH (non-condensing) |

KEY FEATURES

- Meets ANSI/TIA-568.2-D, ISO/IEC 11801, EN50173-2, and IEC 60603-7-4 standards
- Suitable for both solid and stranded 23–26 AWG conductors
- Flame-retardant housing with high-impact strength
- Gold-plated contacts ensure corrosion resistance and signal reliability
- Designed for fast, secure patch cord assembly with loading bar

KEY APPLICATIONS

- Termination of Cat6 patch cords in structured cabling systems
- 1000BASE-T (Gigabit Ethernet) and backward-compatible networks
- VoIP, IP surveillance, and high-speed data transfer
- PoE and PoE+ powered devices
- Data centers, server rooms, and telecom closets

PART NUMBER

| Part Number | Description |
|-------------|--|
| SCZ-C6RJPT | SCHNELL CAT6 RJ45 PASS THROUGH CONNECTOR |