# Cat6 STP Pass-Through RJ45 Plug 30µ — Fork Contacts with Thick Gold Plating and Full Nickel Plating

Structured Cabling / RJ45 Connectors

Jar of 100 CAT6 STP (shielded with grounding pin) pass-through RJ45 modular plugs with contacts plated with 30 microns of gold. Designed for professional structured cabling, CCTV and high-performance enterprise networks.

**KNC-RJ45-6-S-PT30-100**

**Note**
KNC-RJ45-6-S-PT30-100

**Category and Performance**
CAT6 — Meets and exceeds ANSI/TIA-568.2-D, ISO/IEC 11801 Class E and EN 50173 standards.

**Shielding Type**
STP (Shielded with Grounding Pin) — Nickel-plated zinc/copper alloy housing for electrostatic discharge dissipation and isolation from electromagnetic interference (EMI/RFI).

## Key features

- 30-Micron Gold-Plated Contacts: Excellent electrical conductivity and no degradation from salt or environmental corrosion, maintaining stable Gigabit/10G transmissions.
- Pass-Through Technology for Zero Errors: Speeds installation by up to 40%, allowing installers to verify pair order before crimping and reducing connector waste in large projects.
- 360° Metal Shielding with Grounding Pin: Protects the signal against alien crosstalk and electrical noise from motors, lights and adjacent power cables.
- PoE, PoE+ and PoE++ Compatibility (IEEE 802.3af/at/bt): Supports high-power Ethernet delivery of up to 90W without overheating or contact arcing.
- High-Strength Flexible Latch: Retaining clip tested to withstand more than 180° of continuous flexing without breaking during installation in confined spaces.

## Technical specifications

| Parameter | Specification |
|---|---|
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| **Shielding Type** | STP (Shielded with Grounding Pin) — Nickel-plated zinc/copper alloy housing for electrostatic discharge dissipation and isolation from electromagnetic interference (EMI/RFI). |
| **Termination Technology** | Pass-Through — The 8 conductors pass through the connector front, allowing T568A/T568B color code verification before crimping and ensuring a flush cut. |
| **Contact Plating** | 30-micron gold plating on phosphor bronze alloy contacts with a triple-prong (3-Prong) design for maximum penetration into solid and stranded cable. |
| **Compatible Gauge** | 23 AWG to 26 AWG conductors (compatible conductor insulation: 0.95 mm to 1.15 mm). |
| **Body Material** | High-impact polycarbonate (PC), UL94V-0 / UL94V-2 flammability grade, resistant to deformation and breakage. |
| **Voltage and Current** | Insulation resistance ≥ 500 MΩ at 500V DC; Dielectric strength of 1000V RMS 60Hz for 1 minute; Rated current 1.5 A. |
| **Operating Cycles** | Guaranteed minimum of 750 insertion/disconnection cycles; Contact resistance ≤ 20 mΩ. |
| **Temperature Range** | Continuous operation from -20°C to +70°C; Relative humidity from 10% to 90%, non-condensing. |
| **Packaging** | Sealed rigid plastic jar with 100 pieces, protecting against moisture and dust on site. |
| **Certifications and Compliance** | RoHS ISO 9001 REACH CE Compliant |
| **Warranty** | 5 years |

## Applications

**Enterprise Structured Cabling and Data Centers**
High-density terminations in patch panels, faceplates and horizontal links for CAT6 corporate networks.

**IP Video Surveillance and Electronic Security Systems (CCTV)**
Continuous power and interconnection for outdoor IP cameras, PTZ domes, NVRs and video servers in industrial settings and buildings with high electromagnetic interference.

**Wi-Fi 6/7 Access Points, VoIP Telephony and IoT Devices**
Stable links without packet loss for gateways, PoE switches, high-density access points and industrial automation.

**Custom Patch Cord Repair**
Replace damaged plugs or prepare specific lengths for the rack; select compatible cable and tools, and check the wire map when finished.

## Packaging & contents

Sealed rigid plastic jar with 100 pieces, protecting against moisture and dust on site.

## Warranty

KONGIA 5-year warranty.

## Declared compliance

RoHS · ISO 9001 · REACH · CE Compliant