Jar of 100 Modular Connectors RJ45 CAT6 STP, Gold Plating: 50 microns — Fork Contacts with Thick Gold Plating and Full Nickel Plating

Structured Cabling / RJ45 Connectors

Jar of 100 RJ45 CAT6 STP (shielded with grounding pin) standard (traditional structure) modular connectors with 50-micron gold-plated contacts. Designed for professional structured cabling, CCTV and high-performance enterprise network projects.

KNC-RJ45-6-S-ST50-100

Note
KNC-RJ45-6-S-ST50-100

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

- 50-Micron Gold-Plated Contacts: Excellent electrical conductivity and no degradation from salt or environmental corrosion, maintaining stable Gigabit/10G transmissions.
- Robust Traditional Guide Structure: Ideal for installers using universal crimping tools with high repeatability and mechanical stability in cable routes.
- 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
Note	KNC-RJ45-6-S-ST50-100

Technical specifications

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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).
Termination Technology	Standard (Traditional Structure) — Precision guided insertion with internal stops for secure seating of the 8 wires.
Contact Plating	50-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