

✓ RoHS & CE	✓ UL 94V-0/V-2
✓ Fluke Tested	✓ OEM / ODM

CAT5E RJ45 CONNECTOR SERIES

Professional Cat5e UTP RJ45 Connector - Unshielded 8P8C Modular Plug with 50µ" Gold Plating for Stable 100MHz Networking

Online Product Page:
https://www.hxplug.com/cat5e-utp-rj45-connector-50u-gold-plated-unshielded/

KEY PRODUCT HIGHLIGHTS

- High-Speed Performance : Our Cat5e UTP RJ45 Connector is designed for 100MHz frequency standards, supporting stable Fast Ethernet and Gigabit data transmission.
- Industrial 50µ" Gold Plating : Features genuine 50 micro-inch gold-plated contacts to ensure maximum conductivity and resistance to oxidation over time.
- Universal Compatibility : Optimized for Cat5e unshielded twisted pair (UTP) cables, fitting both solid and stranded wires (24-26 AWG).
- Flexible Locking Tab : Molded from high-purity Polycarbonate (PC), the latch can be bent 180 degrees multiple times without snapping.
- Fluke Verified Quality : Engineered to meet TIA/EIA 568-B standards, ensuring your cabling projects pass professional network testing every time.

TECHNICAL SPECIFICATIONS & PARAMETERS

Parameter	Specification / Standard
Product Feature	Technical Details
Product Model	Cat5e UTP Classic Series
Interface Type	8P8C (Unshielded)
Contact Material	High-Conductivity Phosphor Bronze
Gold Plating	Genuine 50µ" (Micron) Gold
Housing Material	Crystal Clear Polycarbonate (UL 94V-2)
Blade Structure	3-Prong (Fits Solid & Stranded)
Wire Gauge Support	24AWG - 26AWG
Rated Performance	100MHz (Fast Ethernet / 1Gbps)
Insertion Life	> 750 Times
Compliance	RoHS, REACH , ISO9001

ENGINEERING OVERVIEW & APPLICATIONS

In the world of network infrastructure, consistency is key. The Cat5e UTP RJ45 Connector remains one of the most widely used components for Ethernet connectivity. Whether you are setting up a residential Wi-Fi network, an IP camera surveillance system, or a large-scale office VOIP setup, these unshielded 8P8C modular plugs provide the perfect balance between cost-efficiency and performance. At HXPLUG , we manufacture our Cat5e connectors to exceed standard industry requirements, ensuring that your physical layer connection is the strongest link in your network.

The most critical part of any Cat5e UTP RJ45 Connector is the contact point. Many cheap alternatives on the market use "gold flash," which wears off quickly and leads to intermittent signals or total connection failure due to oxidation. Our professional-grade plugs are equipped with high-purity phosphor bronze contacts finished with a genuine 50 micro-inch

(50μ") gold plating . This thick gold layer provides a gas-tight connection that is immune to humidity and corrosion, guaranteeing over 750 insertion cycles without signal degradation. This makes them ideal for environments where cables are frequently plugged and unplugged.

Mechanical stability is just as important as electrical conductivity. Our Cat5e UTP RJ45 Connector features an optimized 3-prong blade design. Unlike 2-prong blades that only make contact with the top of the wire, the 3-prong design pierces the insulation and "wraps" around the copper conductor from three sides. This creates a much larger contact surface area and ensures a vibration-proof connection. Whether you are using Solid horizontal cabling or Stranded patch cord wires, our 3-prong technology ensures a secure and stable physical bond every time.

The body of our Cat5e UTP RJ45 Connector is injection-molded using only 100% virgin Polycarbonate (PC) . This high-grade plastic provides exceptional clarity, making it easy for installers to visually verify the wire sequence (T568A or T568B) before crimping. Furthermore, the locking tab (the latch) is engineered for extreme durability. You can bend the tab 180 degrees back and forth without it snapping, which is a common frustration with lower-quality connectors. This flexibility is vital when pulling cables through tight conduits or behind crowded server racks.

Gold Plating Options FU" / 3μ" / 6μ" / 15μ" / 30μ" / 50μ" Custom Gold Plating	**100% Quality Assurance** Fluke Versiv / DSX Tested, Salt-Spray & ≥750–2000 Mating Cycles
OEM / ODM Customization Custom Mold Tooling, Housing Colors, Cable Lengths & Private Label	**Certifications & Compliance** ISO 9001:2015, RoHS, REACH, CE, UL 94V-0 / UL 94V-2 Rated

Need Custom Gold Plating (3μ"–50μ"), Custom Molding, Private Label Packaging, or Bulk Factory Pricing?
WhatsApp / Tel: **+86 136 6278 0115** | Email: **iris@hxplug.com** | Online: **https://www.hxplug.com/cat5e-utp-rj45-connector-50u-gold-plated-unshielded/**