

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

CAT6 RJ45 CONNECTOR SERIES

Cat6 Pass-Through RJ45 Connector Unshielded 8P8C Modular Plug - Single Row Easy Feed-Thru for 23-24 AWG Ethernet Cable

Online Product Page:
https://www.hxplug.com/cat6-pass-through-rj45-connector-single-row/

KEY PRODUCT HIGHLIGHTS

- Effortless Termination : The pass-through design allows wires to feed through the front of the connector, making wire sequence verification easier and faster.
- Single-Row Precision : Specifically engineered for Cat6 cables with a single-row internal layout, ensuring a perfect fit for 1.1mm insulated conductors.
- Superior Conductivity : Genuine 50µ" gold-plated 3-prong contacts provide maximum signal integrity and prevent long-term corrosion.
- High-Grade Material : Molded from eco-friendly, high-transparency Polycarbonate (PC) to ensure durability and a flexible locking tab.
- Fluke Verified : Optimized for high-speed Gigabit Ethernet networks; guaranteed to pass strict industrial performance tests.

TECHNICAL SPECIFICATIONS & PARAMETERS

Parameter	Specification / Standard
Model	Cat6 UTP Pass-Through
Structure	8P8C Single-Row
Max Insulated OD	1.10 mm
Gold Plating	50 micro-inches (Pure Gold)
Contact Blade	3-Prong (Fits Solid & Stranded)
Flammability Rating	UL 94V-2 / 94V-0
Transmission Rate	1000Mbps (1Gbps)
Standard	RoHS, REACH, ISO9001

ENGINEERING OVERVIEW & APPLICATIONS

Networking professionals know that the most time-consuming part of any installation is ensuring the wire sequence is correct before crimping. Our Cat6 Pass-Through RJ45 Connector eliminates the guesswork. By allowing the individual conductors to pass entirely through the connector body, you can visually verify the T568A or T568B sequence with 100% accuracy. This "Feed-Thru" technology significantly reduces wasted connectors and minimizes the need for re-termination, saving you time and labor costs on the job site.

While standard Cat6 plugs often use a staggered (up/down) layout, our Single-Row Pass-Through version is designed for specific cable geometries. It accommodates insulated wire diameters up to 1.1mm , making it the ideal choice for high-quality 23AWG and 24AWG unshielded twisted pair (UTP) cables. The precision-engineered internal channels keep the wires tightly aligned, reducing Near-End Crosstalk (NEXT) and ensuring your network hits true Gigabit speeds.

At HXPLUG , we believe that even a small component deserves world-class engineering. We use only 100% virgin Polycarbonate (PC) . Unlike cheap, recycled plastics that turn yellow or brittle, our connectors remain crystal clear and highly resilient. The locking tab (the "clip") is tested to withstand over 180-degree bends without snapping, ensuring a secure connection in high-density patch panels or wall jacks.

In the B2B world, reliability is everything. Many suppliers claim "gold plating" but only provide a thin flash that wears off within months. HXPLUG's connectors feature a thick 50 micro-inch gold layer over phosphor bronze contacts. This isn't just for show; it provides an exceptionally low-resistance contact point that resists oxidation even in humid environments. The 3-prong design ensures a more stable "bite" into the copper wire, whether you are using solid core horizontal cabling or flexible stranded patch cords.

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

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