

Pass-Through RJ45 Plugs

Cat6 UTP Pass-Through RJ45 Modular Plug Manufacturer

**Key specifications**

Product type	Cat6 UTP pass-through RJ45 modular plug
Connector format	8P8C male plug
Contact layout	Single-row, open-nose pass-through
Shielding	UTP / unshielded

Product summary

- **Fast pass-through termination:** Eight conductors feed through the open plug nose for easy T568A/T568B sequence checking before crimping.
- **Cat6 UTP performance:** Unshielded 8P8C modular plug designed for 250MHz Cat6 Ethernet cabling and backward-compatible Cat5e applications.
- **23-26 AWG cable support:** Suitable for compatible solid or stranded U/UTP copper conductors with 0.90-1.10mm insulated conductor diameter.
- **Reliable 3-prong contacts:** Copper-alloy contacts grip solid and stranded conductors securely; 3µin, 15µin, 30µin and 50µin gold-plating options are available.
- **Clear virgin PC housing:** High-transparency polycarbonate simplifies visual inspection and withstands repeated professional crimping.
- **PoE-ready cabling:** Suitable for PoE, PoE+ and PoE++ installations when the finished cable and complete channel meet the applicable standard.
- **Installer-friendly 8P8C design:** Single-row feed-through structure requires no separate load bar and works with a compatible pass-through RJ45 crimper.
- **Factory-direct OEM/ODM supply:** PROUNTA offers bulk pricing, free sample evaluation, custom logo, private-label packaging and specification support.

Product page:

<https://www.cnplugs.com/product/cat6-utp-pass-through-rj45-modular-plug/>

Category: Pass-Through RJ45 Plugs

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Product details

Cat6 UTP Pass-Through RJ45 Modular Plug Manufacturer and OEM Supplier

PROUNTA manufactures Cat6 UTP pass-through RJ45 connectors for cabling brands, distributors, patch-cord factories and installers. This unshielded 8P8C modular plug lets all eight conductors extend through its open nose. Technicians can verify the T568A or T568B sequence and remove excess wire during crimping, creating a faster, repeatable process for bulk Cat6 cable assembly.

The transparent plug fits standard RJ45 ports on patch panels, switches, routers, computers, access points and IP cameras. Cat6 cable is rated to 250MHz and normally uses an [8P8C modular connector](#). Correctly matched plugs, cable and tools support Gigabit Ethernet and permitted short-distance 10GBASE-T Cat6 channels.

Why Installers Choose Pass-Through RJ45 Connectors

Closed-end plugs require conductors to be trimmed before insertion, making retracted or crossed wires harder to detect. With a Cat6 pass-through RJ45 plug, the wires remain visible at the nose so sequence and insertion depth can be checked. A compatible crimper then seats the contacts and trims the conductors flush in one cycle.

The method reduces measuring and improves consistency for contractors, CCTV installers and cable factories. It is not tool-free: a feed-through RJ45 crimper with a sharp cutting blade is required.

3-Prong Contacts and High-Clarity Polycarbonate Housing

Each contact uses a 3-prong geometry for compatible solid or stranded copper conductors. Buyers can select 3µin, 15µin, 30µin or 50µin gold plating over nickel according to durability and corrosion-resistance requirements.

The clear virgin-polycarbonate housing simplifies inspection, and its latch secures the plug in a standard jack. This UTP connector has no metallic grounding path; high-EMI projects should use a shielded cable and connector system.

How to Terminate a Cat6 Pass-Through RJ45 Plug

1. Confirm cable AWG, insulated conductor diameter and jacket diameter.
2. Slide on the required [RJ45 strain-relief boot](#).
3. Strip the jacket without nicking conductor insulation.
4. Minimize pair untwisting and arrange the wires to T568A or T568B.
5. Feed all eight wires through the nose until the jacket enters the plug.
6. Verify every wire position.
7. Crimp and flush-cut with a compatible pass-through tool.
8. Inspect the nose, then test wire map, continuity and network performance.

Compare the [pass-through RJ45 range](#) or a [standard Cat6 UTP plug with load bar](#).

Applications and B2B Supply

Applications include office LANs, schools, hotels, data cabinets, residential networks, IP surveillance, VoIP, wireless access points and building automation. Patch-cord factories gain easier inspection, while field installers can build accurate custom-length cables.

Choose a Cat6 RJ45 Connector Manufacturer for Consistent Bulk Supply

Contact geometry, plating, cable fit, tool compatibility and inspection all affect termination quality. PROUNTA helps B2B buyers match these variables, test samples with the intended cable and scale the approved Cat6 UTP pass-through plug to bulk supply.

Technical specifications

Specification	Published value
Product type	Cat6 UTP pass-through RJ45 modular plug
Connector format	8P8C male plug
Contact layout	Single-row, open-nose pass-through
Shielding	UTP / unshielded
Rated category	Cat6; backward compatible with suitable Cat5e cable
Rated bandwidth	Up to 250MHz in a compliant Cat6 channel
Wiring schemes	T568A and T568B
Conductor compatibility	23-26 AWG solid or stranded copper
Insulated conductor diameter	0.90-1.10mm
Maximum cable jacket diameter	Up to 6.5mm
Contact design	3-prong copper-alloy contact
Gold-plating options	3µin / 15µin / 30µin / 50µin over nickel
Housing material	Transparent polycarbonate (PC)
Termination method	Pass-through crimp and flush cut
Separate load bar	Not required for this single-row model
PoE applications	Suitable for PoE/PoE+/PoE++ in a compliant channel
Target standards	ANSI/TIA-568.2-D, ISO/IEC 11801 Class E, IEC 60603-7 series
Standard packaging	100 pieces per bag; jars, cards and OEM cartons available
Customization	Logo, body tint, label, barcode and private-label packaging