

Cat6A & Cat8 Plugs

Cat7 Toolless RJ45 Connector - Shielded 8P8C Zinc Alloy Plug

**Key specifications**

Product type	Toolless shielded RJ45 field termination plug
Connector format	8P8C male modular plug
Primary cable category	Cat7 shielded Ethernet cable
Backward compatibility	Suitable Cat6A and Cat6 shielded cable

Product summary

- **Cat7 10Gbps performance:** Shielded 8P8C male plug designed for up to 600MHz Cat7 Ethernet cabling.
- **Fast tool-free termination:** No RJ45 crimping tool is required; the reusable hinged housing simplifies field installation and re-termination.
- **360° zinc alloy shielding:** Durable full-metal shell helps maintain shield continuity and reduce EMI, RFI and alien crosstalk.
- **Secure cable retention:** Screw-on metal strain-relief boot firmly grips the cable jacket for a stable connection.
- **T568A/T568B wiring:** Color-coded wire manager supports accurate conductor placement and reduces termination errors.
- **Broad cable fit:** Suitable for 22-24 AWG solid or stranded shielded cable with a typical outer diameter of 7.0-8.5mm.
- **Network-ready compatibility:** Works with standard RJ45 ports and is backward compatible with suitable shielded Cat6A and Cat6 cable.
- **Factory-direct OEM/ODM:** PROUNTA supports bulk supply, custom logo marking, private-label packaging and samples for qualified projects.

Product page:

<https://www.cnplugs.com/product/cat7-toolless-rj45-connector/>

Category: Cat6A & Cat8 Plugs

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Product details

Cat7 Toolless RJ45 Connector for Shielded 10Gbps Field Termination

The PROUNTA Cat7 Toolless RJ45 Connector is a reusable, field-terminable 8P8C male plug engineered for shielded high-speed Ethernet cable. It combines a robust zinc alloy body, a color-coded conductor manager and a screw-on strain-relief boot in one installer-friendly design. Technicians can build or repair custom-length network cables without carrying a conventional RJ45 crimping tool, making the connector practical for data centers, industrial networks, surveillance systems, wireless access points and commercial structured cabling.

Designed for Cat7 applications up to 600MHz and 10Gbps, the plug fits standard RJ45 Ethernet sockets on switches, routers, servers, laptops and cameras. For background on the physical format, see the [8P8C modular connector](#) reference.

Tool-Free, Reusable Design for Faster Installation

This Cat7 tool-free RJ45 plug uses a removable wire guide and hinged metal housing. Prepare the jacket, arrange the conductors to T568A or T568B, trim them, insert the wire manager and close the housing. The rear compression nut grips the jacket for strain relief. A cable stripper and flush cutter are recommended, but no RJ45 crimper is needed.

The housing can be reopened to correct the pinout, reducing connector waste during field changes, emergency repairs and custom assembly.

Full-Metal Shielding for Signal Integrity

The die-cast zinc alloy enclosure protects the termination area with continuous metal shielding. Correctly bonded to the cable foil or braid, it helps control EMI, RFI and alien crosstalk near power cabling, motors and machinery.

Shielding depends on the complete system. Use shielded cable and grounded equipment, preserve the shield during preparation and follow project bonding requirements. A connector cannot compensate for poor grounding, excessive untwisting or an out-of-spec cable.

Cable Compatibility and Network Applications

This plug is intended for 22–24 AWG shielded Cat7 bulk cable with an overall diameter of approximately 7.0–8.5mm. It can also terminate compatible Cat6A or Cat6 shielded cable within that dimensional range. Solid and stranded conductors are supported. Review PROUNTA's [tool-free RJ45 connectors](#) or compare other [shielded high-speed RJ45 plugs](#).

Typical applications include data-center moves and changes, server and switch connections, Wi-Fi access points, IP cameras, NVR systems, industrial control cabinets, building automation, smart displays and office network upgrades. The connector may be used in PoE systems when the cable, powered device, power-sourcing equipment and complete installed channel satisfy the required PoE standard. Learn more about the cabling classes associated with Cat7 in the [ISO/IEC 11801 Class F overview](#).

How to Terminate the Cat7 Toolless RJ45 Plug

1. Slide the screw-on metal boot onto the cable before preparing the jacket.
2. Strip the outer jacket carefully without damaging the braid, foil, drain wire or conductor insulation.
3. Fold the overall shield back as directed and keep each twisted pair twisted as close as possible to the termination point.
4. Arrange the eight conductors in the wire manager using one consistent scheme: T568A or T568B.
5. Seat and trim the conductors flush, then insert the loaded wire manager fully into the plug body.
6. Close the hinged housing until it locks, establish shield contact and tighten the rear boot onto the cable jacket.
7. Verify wire map, continuity and, where required, channel performance with an appropriate network cable tester.

Source Cat7 Toolless RJ45 Connectors from PROUNTA

PROUNTA supports distributors, cabling brands, system integrators and project contractors with consistent manufacturing, inspection and OEM/ODM service. Share your cable category, shielding construction, conductor gauge, jacket diameter, required gold-plating thickness, packaging format and target market certification. The engineering team can verify fit, prepare samples and recommend the correct field termination plug before mass production. Choose a shielded tool-free connector that reduces installation time while providing the mechanical strength and signal protection required by professional 10 Gigabit Ethernet projects.

Technical specifications

Specification	Published value
Product type	Toolless shielded RJ45 field termination plug
Connector format	8P8C male modular plug
Primary cable category	Cat7 shielded Ethernet cable
Backward compatibility	Suitable Cat6A and Cat6 shielded cable
Rated data performance	Up to 10Gbps / 10GBASE-T in a compliant channel
Rated bandwidth	Up to 600MHz
Termination style	Tool-free, field-terminable and reusable
Wiring schemes	T568A and T568B
Supported conductors	22-24 AWG solid or stranded copper
Typical cable outer diameter	7.0-8.5mm
Housing	Die-cast zinc alloy, fully shielded
Contact material	Gold-plated phosphor bronze
Contact plating option	Up to 50µin gold; confirm order specification
Cable retention	Screw-on metal strain-relief boot
Wiring aid	Color-coded conductor management insert
PoE use	Suitable for PoE applications in a compliant cable channel
Customization	OEM/ODM logo, packaging and specification options