

Cat6A & Cat8 Plugs

Cat6A Shielded Toolless RJ45 Connector Manufacturer - 10G

**Key specifications**

Product type	Cat6A shielded toolless field termination plug
Connector format	RJ45-style 8P8C male modular plug
Mounting	Cable mounted; not panel mounted
Rated performance	Up to 10Gbps / 500MHz in a compliant Cat6A channel

Product summary

- **Cat6A 10G performance:** Shielded 8P8C male field plug designed for 10GBASE-T and up to 500MHz in a compliant Cat6A channel.
- **No RJ45 crimp tool:** Hinged housing and color-coded IDC wire manager support fast T568A/T568B field termination.
- **Zinc alloy shielding:** Nickel-plated metal enclosure maintains 360° shield continuity and helps control EMI, RFI, NEXT and alien crosstalk.
- **Broad cable compatibility:** Typical model accepts 23–26 AWG solid or stranded shielded cable with approximately 6.0–8.5mm jacket OD.
- **Re-terminable construction:** Housing can be reopened to correct conductor placement when components remain undamaged.
- **Secure strain relief:** Transparent screw-on rear boot grips the cable jacket and supports shield bonding at the connector entry.
- **MPTL and PoE ready:** Suitable for wireless access points, cameras and other direct-connect devices in a compliant PoE/PoE++ channel.
- **Factory-direct OEM/ODM:** PROUNTA supplies samples, bulk pricing, custom marking, plating options and private-label packaging.

Product page:

<https://www.cnplugs.com/product/cat6a-shielded-toolless-rj45-connector/>

Category: Cat6A & Cat8 Plugs

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Product details

Cat6A Shielded Toolless RJ45 Connector for 10G Field Termination

The PROUNTA Cat6A shielded toolless RJ45 connector is a cable-mounted 8P8C male field plug. Its hinged zinc alloy body, conductor manager and screw-on boot terminate large shielded cable without an RJ45 crimper. The reusable structure suits enterprise networks, access points, cameras, industrial controls and OEM assemblies.

This is a male plug, not a coupler, panel socket or keystone jack. It connects directly to a shielded RJ45 port. See Wikipedia's [modular connector](#) overview for terminology.

Cat6A Performance for 10GBASE-T Networks

Category 6A supports 500MHz channel performance and 10GBASE-T over a compliant 100-meter channel. The connector's internal IDC and conductor-management structure keeps pair geometry more repeatable than a basic crimp plug on thick cable. Final performance still depends on cable construction, termination workmanship, shield bonding, connected hardware and the selected test limit. A connector alone cannot upgrade a lower-category channel.

For installations that will be certified, select the test limit before termination. A patch-cord, channel and MPTL test do not measure identical boundaries. MPTL testing must include the mated plug connection at the device end with the appropriate adapter. Request reports showing the exact connector, cable, firmware, test limit and result, rather than accepting an unrelated family report or a basic continuity check only.

Fast Tool-Free and Re-Terminating Design

Prepare the jacket and shield, place trimmed conductors in the T568A or T568B manager, then close the cap and housing to engage the IDC contacts. Tightening the boot secures the cable. No crimp die is required, but use a stripper, cutter and tester. The housing can be reopened to correct wiring.

Full-Metal Shielding and Strain Relief

The nickel-plated zinc alloy enclosure provides a conductive path between the cable shield and grounded port. Correct 360° bonding helps control EMI, RFI and crosstalk. Preserve the foil or braid, follow the assembly drawing and use compatible grounded equipment.

Cable Compatibility and MPTL Applications

Use round shielded cable matching the model's AWG, insulation diameter, jacket OD and shield structure. The common range is 23–26 AWG and 6.0–8.5mm, but one plug does not fit every Cat6A cable. Compatible Cat6 or Cat7 cable may be terminated; the link follows its lowest-rated component.

The plug suits MPTLs connecting horizontal cable directly to cameras, access points or automation devices. Compare PROUNTA's [tool-free connectors](#) and [shielded RJ45 plugs](#). See Wikipedia's [Category 6 cable overview](#).

How to Install the Cat6A Toolless RJ45 Plug

1. Confirm cable AWG, conductor insulation OD, jacket OD and shield construction.
2. Slide the transparent screw-on boot onto the cable.
3. Strip the jacket carefully without damaging pairs, foil, braid or drain conductor.
4. Position the shield according to the connector assembly drawing.
5. Keep pair untwisting minimal and select T568A or T568B.
6. Place conductors in the color-coded manager and trim them flush.
7. Insert the manager fully, close the hinged housing and tighten the boot.
8. Inspect shield contact, then test wire map and required network performance.

Applications and OEM Manufacturing

Applications include access points, IP cameras, PoE lighting, access control, HDBaseT, industrial Ethernet, smart buildings, servers, switches and MPTLs. The metal body and IDC termination suit thick cable, tight work

areas and electrical noise.

PROUNTA supports distributors, brands, integrators and panel builders with cable-fit verification, samples, bulk production and OEM/ODM service. Options include marking, plating, packaging and barcodes. Browse the [RJ45 connector catalog](#) or [Cat8 toolless connectors](#) for 25G/40G projects.

Source Cat6A Toolless RJ45 Connectors from PROUNTA

PROUNTA helps professional buyers verify Cat6A cable fit, IDC engagement, shield continuity and channel performance before bulk or private-label production.

Technical specifications

Specification	Published value
Product type	Cat6A shielded toolless field termination plug
Connector format	RJ45-style 8P8C male modular plug
Mounting	Cable mounted; not panel mounted
Rated performance	Up to 10Gbps / 500MHz in a compliant Cat6A channel
Termination	Tool-free hinged IDC design
Wiring schemes	T568A and T568B
Conductor range	23–26 AWG solid or stranded copper
Typical insulated conductor OD	Up to approximately 1.45mm; confirm selected model
Typical cable jacket OD	Approximately 6.0–8.5mm
Compatible cable construction	Cat6A F/UTP, U/FTP, S/FTP and compatible shielded cable
Housing	Nickel-plated die-cast zinc alloy
Contact material	Gold-plated phosphor bronze
Gold-plating option	Up to 50µin over nickel
Typical contact resistance	20mΩ maximum, model dependent
Typical mating durability	At least 750 cycles, model dependent
Cable retention	Screw-on transparent strain-relief boot
PoE application	PoE/PoE+/PoE++ option, subject to model verification
Target standards	ANSI/TIA-568.2-D Cat6A, ISO/IEC 11801 Class EA, IEC 60603-7 series
Customization	Logo, plating, packaging and project-specific options