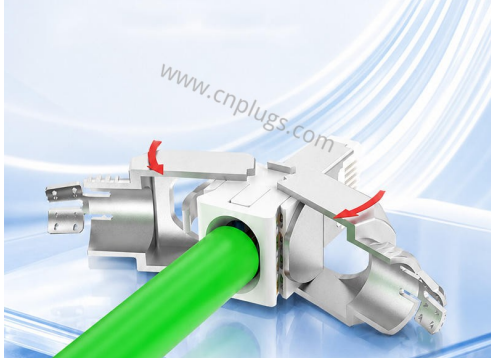


## Cat6A &amp; Cat8 Plugs

# Cat6A Toolless Shielded RJ45 Plug, Zinc Alloy Field Termination for FTP/STP 10G

180 ° bidirectional true pressure free  
30% increase in crimping efficiency

New generation pressure free module | Fast wiring saves more effort



## Key specifications

|                  |                                            |
|------------------|--------------------------------------------|
| Interface        | RJ45 / 8P8C male, field-installable        |
| Category / class | Cat6A / ISO/IEC 11801 Class EA, 500 MHz    |
| Data rate        | 10GBASE-T (10 Gbps) on a qualified channel |
| Termination      | Toolless IDC; no 8P8C crimp die required   |

## Product summary

- Cat6A / Class EA field plug for 10GBASE-T to 500 MHz — no crimp tool
- Zinc-alloy die-cast housing, 360° STP/FTP shield and earth bond
- IDC + color-coded wire manager, T568A and T568B printed on the cap
- Fits solid or stranded 23–26 AWG, typical jacket 6.0–8.5 mm
- Built for MPTL drops: WAPs, IP cameras, access control, HDBaseT
- 50 µin gold 8P8C contacts; PoE / PoE+ / PoE++ (IEEE 802.3bt) capable
- Re-terminable on site (typically up to 5 times) if a pair is crossed
- OEM / project pack for SI, electrical contractors, and panel shops

### Product page:

<https://www.cnplugs.com/product/cat6a-toolless-zinc-alloy-shielded-rj45-field-termination-plug/>

Category: Cat6A & Cat8 Plugs

## Contact & technical support

|                 |                                                                              |
|-----------------|------------------------------------------------------------------------------|
| Email           | <a href="mailto:austin@cnplugs.com">austin@cnplugs.com</a>                   |
| Call / WhatsApp | <a href="tel:+8613428509915">+86 134 2850 9915</a>                           |
| Business hours  | Monday–Saturday, 08:30–18:00 (UTC+8)                                         |
| Contact page    | <a href="http://www.cnplugs.com/contact-us/">www.cnplugs.com/contact-us/</a> |

## Product details

### Toolless Cat6A Zinc Alloy Shielded RJ45 Field Termination Plug

This Cat6A RJ45 connector is a toolless, zinc-alloy, fully shielded field-termination plug for FTP and STP cable. It is not a two-piece RJ45 crimp plug. There is no load bar to stuff and no 8P8C die to buy. The installer lays conductors into a color-coded manager, folds the cap, and closes the zinc housing until the IDC punches through the insulation. The same motion bonds the foil or braid to the die-cast shell so the shield is continuous from cable to jack.

System integrators and electrical contractors search this part as a Cat6A field termination plug, tool-free STP RJ45, or MPTL connector. Those buyers are not building factory patch cords. They are landing a horizontal Cat6A run directly on a wireless access point, a dome camera, a ceiling AP, or a control panel — a Modular Plug Terminated Link. A factory crimp plug is the wrong tool in a lift. This zinc field plug is the right one. For factory Cat7 S/FTP patch-cord production, use our [Cat7 crimp STP plug with separator](#) instead.

**Category 6A** (Augmented Cat 6, ISO/IEC Class EA) is specified to 500 MHz and is the TIA workhorse for 10GBASE-T to 100 m. Field plugs in this class must also survive [Power over Ethernet](#) heat, including 4PPoE / PoE++ up to 90–100 W at the PSE. Gold 8P8C contacts and a tin IDC block are sized for that current. The zinc can is the EMI can: it stops alien crosstalk in a cable tray and it is the ground path for FTP/STP foil.

### How Field Termination Beats a Crimp Plug on Site

A crimp 8P8C needs a calibrated die, a precise conductor OD, and a one-shot crimp. Get the braid fold wrong and the cord is scrap. A toolless Cat6A plug uses IDC: each conductor sits in a labeled slot (T568A on one side of the manager, T568B on the other), the cap hinges shut, and the zinc cover latches or screws down. Many crews close the last millimeter with ordinary pliers — still no RJ45 crimp tool. If pair 3 and 6 are swapped, the cap opens and the plug can be re-terminated a few times. That is why MPTL specifications and wireless-AP vendors call out field plugs, not RJ45 crimp plugs.

The housing is nickel-plated zinc alloy. Inside: a PC wire manager (often glass-filled), tin-plated IDC, and an 8P8C nose with phosphor-bronze contacts, 50 µin gold over nickel. Typical ratings: 1.5 A, contact resistance ≤ 20 mΩ, insulation ≥ 500 MΩ, dielectric 1,000 VDC, 750 mating cycles, operating −40 °C to +70 °C or better. Cable window is usually 23–26 AWG solid and stranded, jacket about 6.0–8.5 mm — the thick Cat6A FTP/STP that will not enter a cheap Cat5e plug. Confirm your jacket OD against the drawing before a project buy.

### FTP, STP, and the earth spring

FTP (F/UTP) has an overall foil. STP / S/FTP adds braid or pair foils. This plug accepts both. A spring or clamp in the strain-relief neck presses foil and drain against the zinc body so the shield does not go open when the cable is tugged. Do not land UTP in this shell and call the link Cat6A shielded — the plug will mate, but the channel is unshielded. For UTP Cat6A keystones see [Cat6A UTP jacks](#).

### Where buyers use this plug

Typical jobs: ceiling WAPs and Wi-Fi 6/6E/7 APs, PoE++ cameras, access-control readers, HDBaseT and AV-over-IP endpoints, industrial Ethernet drops next to drives, modular furniture whips, and last-meter repairs when a factory cord will not reach. Backward compatible with Cat6 and Cat5e shielded cable when the channel only needs that class. The 8P8C nose fits any standard RJ45 jack, including shielded keystones and device jacks on cameras and APs.

Need the rest of a Cat6A shielded plant? Add [Cat6A STP keystone jacks](#), [Cat6A FTP/STP bulk cable](#), and a [parallel-jaw closer](#) on the same PO.

## How Contractors and OEMs Should Specify This Part

Write the PO as: Cat6A toolless field termination RJ45, zinc alloy, shielded STP/FTP, IDC, 23–26 AWG, 10G / 500 MHz. Do not write “RJ45 crimp plug” or “Cat7 crimp plug.” Those are different SKUs and will not close on thick Cat6A FTP in a ceiling. For audited projects, ask for a component-level or MPTL sample report, not a marketing 10G claim.

### Incoming and field check

Confirm zinc body (magnet test is not reliable — use weight and casting marks), 8P8C gold nose, and a manager printed A and B. After termination: shield continuity from foil to shell; no pin-to-shell shorts; wire map T568A or B as specified; optional certification to TIA Cat6A Permanent Link or MPTL. Reject lots that are plastic-bodied “toolless” Cat5e copies.

## Technical specifications

| Specification           | Published value                                     |
|-------------------------|-----------------------------------------------------|
| Interface               | RJ45 / 8P8C male, field-installable                 |
| Category / class        | Cat6A / ISO/IEC 11801 Class EA, 500 MHz             |
| Data rate               | 10GBASE-T (10 Gbps) on a qualified channel          |
| Termination             | Toolless IDC; no 8P8C crimp die required            |
| Housing                 | Zinc alloy, die-cast, nickel plated                 |
| Shielding               | 360° STP; foil/braid bonded by spring or clamp      |
| Cable types             | Cat6A / Cat6 / Cat5e FTP, F/UTP, S/FTP, STP         |
| Wire manager            | Color-coded T568A and T568B                         |
| Wire range              | 23–26 AWG solid; 23–26 AWG stranded (typical)       |
| Cable jacket OD         | Approx. 6.0–8.5 mm (confirm drawing)                |
| Contacts                | Phosphor bronze, 50 µin gold over nickel            |
| IDC                     | Tin-plated copper alloy                             |
| PoE                     | IEEE 802.3af / at / bt (PoE / PoE+ / PoE++ / 4PPoE) |
| Current / voltage class | 1.5 A; 1,000 VDC dielectric typical                 |
| Contact resistance      | ≤ 20 mΩ                                             |
| Insulation resistance   | ≥ 500 MΩ                                            |
| Mating cycles           | ≥ 750                                               |
| Re-termination          | Typically up to 5 times (do not reuse damaged IDC)  |
| Protection (typical)    | IP20; dust cap on many packs                        |
| Operating temperature   | –40 °C to +70 °C (typical; see drawing)             |

| Specification                  | Published value                                           |
|--------------------------------|-----------------------------------------------------------|
| Standards (interface / intent) | TIA-568.2 Cat6A, IEC 60603-7-51, MPTL / direct-attach use |
| Compliance                     | RoHS; REACH on request                                    |
| OEM                            | Housing color, latch style, bag qty, private label        |