

Cat6A & Cat8 Plugs

Cat7 Shielded RJ45 8P8C Plug, Metal Shell, Grounding Tabs and Load Bar

**Key specifications**

Interface	RJ45 / 8P8C male, cable-mount crimp
Category / class	Cat7 / ISO/IEC 11801 Class F, 600 MHz
Data rate	10GBASE-T on a qualified channel
Shielding	Nickel-plated metal shell; fork-style braid clamp; two side ground pins

Product summary

- Cat7/Class F 8P8C shielded plug for 10GBASE-T up to 600 MHz on compatible shielded cable.
- Nickel-plated metal shell with forked grounding tabs that bond the cable braid and foil during crimping.
- Two side grounding contacts on the insert help maintain shield continuity to the jack.
- Separate transparent 8-hole load bar helps preserve pair twist and conductor layout.
- Gold-plated 8P8C contacts for S/FTP, F/FTP and STP Cat7/Cat6A round cable.
- Two-piece set: shielded plug body and wire-management bar (see photos).
- For patch-cord production, data-center links and industrial Ethernet jumpers.
- OEM/ODM options: contact plating, AWG range, packaging quantity and private label.

Product page:

<https://www.cnplugs.com/product/cat7-shielded-rj45-8p8c-metal-can-fork-ground-load-bar/>

Category: Cat6A & Cat8 Plugs

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Product details

Cat7 STP RJ45 plug with metal shell, forked grounding tabs, and 8-hole load bar

This Cat7 connector is a shielded 8P8C modular plug with a nickel metal housing, a fork-shaped ground tail, two side earth pins, and a separate clear load bar. It is a crimp-on RJ45 plug for S/FTP and STP cable, not a zinc toolless field plug and not a two-piece PROFINET hood with a turquoise manager. Patch-cord plants and system integrators use it when the jacket is individually foiled, the braid must land on a metal shell, and the last 13 mm of pairs must stay in a load bar or the 10G channel fails NEXT.

Buyers searching for a Cat7 shielded RJ45 plug, an STP 8P8C connector with load bar, or a metal-can Cat7 modular plug will specify this kit instead of an unshielded Cat5e head. Pair it with Cat7 S/FTP patch cables and Cat7 shielded keystones. For cabinet PROFINET leads use the [industrial field hood plug](#). For MPTL WAPs use a [Cat6A toolless field plug](#).

How the fork tail and side pins complete the shield

Cat7 cable is almost always S/FTP or F/FTP: each pair in foil, plus an overall braid. A plastic plug leaves that braid floating. This plug's metal shell wraps the 8P8C body. The Y-shaped fork at the rear folds onto the braid and jacket so a shielded crimp die closes the earth in the same stroke as the gold blades. Two side pins on the insert wipe the jack shield or the can so the path is not a single drain stuffed under one tab. That is the difference between a "shielded-looking" RJ45 plug and a plug that can pass alien crosstalk on a 10G bundle.

[Category 7](#) (ISO/IEC 11801 Class F) is specified to 600 MHz and is commonly used for 10GBASE-T. The mating face is still the [8P8C modular connector](#). Category lives in the cable, the plug geometry, and the tested channel. Putting this can on Cat5e UTP does not create a Cat7 link.

Why the load bar is a separate part

The small clear 8-hole piece is the separator. Conductors pass through it so pair twist and spacing hold up to the gold contacts. Skipping it is the usual reason shop-made "Cat7" cords fail return loss. Dress T568A or T568B in the bar, seat the bar in the plug, fold foil and braid onto the fork, then crimp with a Cat6A/Cat7 shielded die that folds the can. A telephone-style tool will not close the fork and will fail shield continuity.

Typical wire is 22–24 AWG solid or stranded, insulation about 1.3–1.45 mm, jacket about 6.5–8.2 mm. Confirm OD so the fork bites jacket and braid together. Gold is commonly 50 µin over nickel on phosphor-bronze 3-prong blades so both solid horizontal and stranded patch wire seat in one crimp.

Where this plug is used

OEM Cat7 patch-cord lines, data-center 10G jumpers, shielded drops in labs and hospitals, industrial Ethernet next to drives, and 4K AV-over-IP tails. The 8P8C nose fits any RJ45 jack; the Cat7 claim only holds on a tested shielded channel. Indoor commercial is the default.

How OEM buyers should write the PO

State: Cat7 STP RJ45 8P8C, metal shell, forked grounding tabs tail, 8-hole load bar, gold contacts. Do not

substitute an unshielded RJ45 plug or a PROFINET screw hood. Those are other SKUs.

Technical specifications

Specification	Published value
Interface	RJ45 / 8P8C male, cable-mount crimp
Category / class	Cat7 / ISO/IEC 11801 Class F, 600 MHz
Data rate	10GBASE-T on a qualified channel
Shielding	Nickel-plated metal shell; fork-style braid clamp; two side ground pins
Pair management	Separate 8-hole clear load bar
Housing	Transparent polycarbonate + metal shield
Contacts	8P8C, gold-plated copper alloy / phosphor bronze
Wiring	T568A / T568B
Wire range (typical)	22–24 AWG solid or stranded
Cable types	Cat7 / Cat7A / Cat6A S/FTP, F/FTP, STP
Termination	IDC crimp; shielded 8P8C die required
Kit contents	Shielded plug body + 8-hole load bar
Current / voltage class	1.5 A / 125 VAC typical; PoE / PoE+ capable on a designed channel
OEM / ODM	Gold thickness, AWG window, pack quantity, private label