

RJ12 6P6C Telephone Plugs

RJ12 6P6C Telephone Modular Plug



Key specifications

Interface	6-position, 6-contact (6P6C) male modular plug
Common name	RJ12 (formal registered jack code RJ25)
Housing	Transparent polycarbonate
Contacts	6 gold-plated blades (all positions loaded)

Product summary

RJ12 6P6C modular telephone plug with six gold-plated contacts and a clear polycarbonate housing. For six-conductor flat telephone cords in PBX and multi-line systems. Specify 6P6C to distinguish it from 6P4C and 6P2C.

Product page:

<https://www.cnplugs.com/product/rj12-6p6c-gold-plated-telephone-modular-plug/>

Category: RJ12 6P6C Telephone Plugs

Contact & technical support

Email	austin@cnplugs.com
Call / WhatsApp	+86 134 2850 9915
Business hours	Monday-Saturday, 08:30-18:00 (UTC+8)
Contact page	www.cnplugs.com/contact-us/

Product details

Clear RJ12 6P6C modular plug with six gold contacts

This transparent 6P6C modular telephone plug has six loaded positions and six gold-plated contacts. It is designed for six-conductor flat telephone cords used with PBX station lines, intercom systems and multi-line phones. It is not an 8P8C Ethernet plug or a 4P4C handset plug (RJ9/RJ10/RJ22).

For a six-position connector, confirm that all six contacts are required. This part differs from the [RJ11 6P4C plug](#) (four contacts) and the [RJ11 6P2C plug](#) (two contacts). For Ethernet use, see the [RJ45 8P8C modular plugs](#).

Why 6P6C: three pairs in one six-position nose

Six contacts carry three tip/ring pairs. Key systems and many PBX stations use the extra pairs for lamp signaling, feature leads and a second voice path, which is why their station cords are six-conductor. A 6P4C plug carries two pairs; a 6P2C plug carries one. The interface belongs to the [registered jack](#) family: 6P6C is formally the RJ25 code, while catalogs and buyers commonly call it RJ12. The [modular connector](#) nose is the same six-position face as RJ11, so this plug physically mates RJ11 jacks and key-system ports; the equipment wiring, not the plastic, decides whether the connection is correct.

One practical detail: because all six cavities are loaded, there are no empty positions and no fillers to specify. Buyers moving from 6P4C photos should not expect the small clear filler chips seen on partly loaded plugs.

Gold blades, flat cable, and the right die

Contacts are gold over nickel on copper alloy or phosphor bronze, as a 2- or 3-prong IDC so both solid and stranded 26–28 AWG telephone conductors hold after crimp. The typical cable is flat six-conductor satin cord, 26 AWG in most OEM specs. A 6P modular crimp die is required; an 8P8C-only Ethernet tool has the wrong cavity and will damage the nose. Crimp latch-down with the gold blades facing the operator, and follow the key system or PBX wiring chart for pair-to-position order, which varies by platform.

This plug is unshielded and voice / low-speed signal class. Typical ratings in this family: about 1.5 A / 125 VAC signal, contact resistance in the tens of milliohms, 750+ mating cycles, indoor –10 °C to +60 °C. Do not specify it for Ethernet or PoE. Outdoor or wet runs need a protected enclosure, not a thicker gold flash.

Where 6P6C telephone plugs are used

Key-system station cords and PBX console leads are the core volume. Intercom and door-entry panels, multi-line telephone cords, alarm and POS leads that run more than two pairs, and spare bags for building MRO round out the demand. Indoor dry commercial environments are the default.

How to write the PO

Do not specify this telephone plug as RJ45 or Cat6: those terms refer to 8P8C Ethernet plugs and do not fit a 6P telephone die or jack.

Technical specifications

Specification	Published value
Interface	6-position, 6-contact (6P6C) male modular plug
Common name	RJ12 (formal registered jack code RJ25)
Housing	Transparent polycarbonate
Contacts	6 gold-plated blades (all positions loaded)
Shielding	Unshielded

Specification	Published value
Termination	IDC crimp, 6P die
Wire (typical)	26–28 AWG, flat 6-conductor satin telephone cable
Duty	Key telephone systems, PBX stations, intercom consoles, multi-line cords
Not for	8P8C Ethernet / Cat5e–Cat8; 4P4C handset unless specified
Electrical class (typical)	1.5 A / 125 VAC signal; ≥ 750 mating cycles
OEM / ODM	Gold thickness, 6P2C / 6P4C siblings, bag qty, mixed cartons