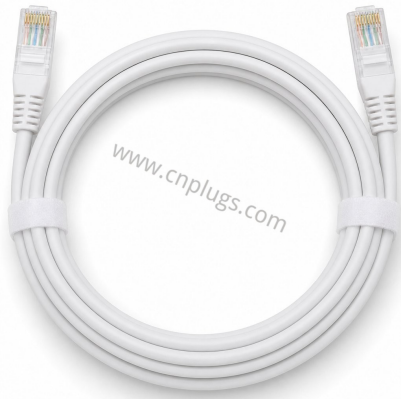


Cat5e Patch Cord

Cat5e UTP Patch Cord — Factory Direct 1Gbps Ethernet LAN Cable, OEM/Wholesale

**Key specifications**

Category	Cat5e (Category 5 enhanced), UTP unshielded
Performance Standard	ANSI/TIA-568.2-D, ISO/IEC 11801 Class D, EN 50173-1
Bandwidth	Up to 350 MHz
Data Rate	10/100/1000 Mbps (Gigabit Ethernet) up to 100 m; 10GBASE-T up to 45 m (short-reach)

Product summary

- **Category:** Cat5e, UTP unshielded, 4-pair 24AWG stranded bare copper
- **Performance:** 1 Gbps Ethernet up to 100 m, 350 MHz bandwidth, TIA/EIA 568-C.2 verified
- **Connectors:** 8P8C RJ45 plugs, 3μ"-50μ" gold-plated phosphor bronze contacts, snagless molded boots
- **Jacket:** Premium PVC (CM/CMR rated optional), standard white; all TIA colors available
- **Testing:** 100% Fluke DSX-8000 tested — wire map, NEXT, Return Loss, Insertion Loss
- **Standard lengths:** 0.25 m / 0.5 m / 1 m / 2 m / 3 m / 5 m / 7 m / 10 m / 15 m / 20 m / 30 m
- **OEM services:** Custom length, color, jacket printing, boot logo, blister/bulk packaging
- **MOQ:** 100 pcs for stock lengths; 500 pcs for OEM custom builds
- **Certifications:** RoHS 2.0, REACH, ISO/IEC 11801, ANSI/TIA-568.2-D

Product page:<https://www.cnplugs.com/product/cat5e-utp-patch-cord/>**Category:** Cat5e Patch Cord

Contact & technical support

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Business hours	Monday–Saturday, 08:30–18:00 (UTC+8)
Contact page	www.cnplugs.com/contact-us/

Product details

Cat5e UTP Patch Cord — Reliable Gigabit Connectivity from a Specialist RJ45 Manufacturer

Every Cat5e patch cord is constructed with 24 AWG stranded bare copper conductors for flexibility and fatigue resistance during repeated patching cycles, terminated with our own precision-molded RJ45 modular plugs from the [Cat5e/Cat6 UTP plug line](#), and over-molded with snag-resistant strain-relief boots that protect the latch during moves, adds and changes. All cords are 100% continuity and performance tested using Fluke DSX-8000 cable analyzers, so you receive zero-defect product ready for immediate deployment.

Where Cat5e Patch Cords Are Used

[Cat5e](#) (Category 5 enhanced) remains the most widely deployed twisted-pair cabling category in the world for enterprise and residential networks, because it strikes the proven balance between Gigabit performance, ease of termination, and installed cost. Our Cat5e UTP patch cords are commonly specified for:

- **Office structured cabling:** Work-area patching between wall outlets and desktop PCs, IP phones, printers, and wireless access points.
- **Data rack & equipment room patching:** Short 0.25 m–1 m jumpers between patch panels and Ethernet switches in server racks and MDF/IDF closets.
- **IP surveillance & PoE lighting:** Connecting IP cameras, PoE switches, NVRs, and PoE-powered LED lighting where runs are within the 100 m channel limit.
- **POS & retail networks:** Reliable connectivity for point-of-sale terminals, barcode scanners, and payment devices in supermarkets, restaurants and retail chains.
- **Home networks & SOHO:** Broadband router-to-PC connections, smart TV, game consoles, NAS devices, and home office workstations.
- **Education & government:** Classroom networks, library carrels, and government offices where Cat5e is still the approved installed base.

For links running alongside VFD power cables or in high-EMI industrial cabinets, we recommend stepping up to our shielded [Cat6A STP patch cords](#) or the full range of [industrial and VFD-rated connector solutions](#).

Why PROUNTA Cat5e Patch Cords Are Different

Low-cost patch cords available on general marketplaces often use copper-clad aluminum (CCA) conductors, flash-gold plating less than 1µ" thick, and recycled plastic housings — materials that pass a quick continuity beep test but fail to meet Cat5e crosstalk and return-loss requirements after a few months in service. Every PROUNTA Cat5e UTP patch cord is built to meet or exceed the published TIA specifications:

- **True bare copper conductors:** 24 AWG stranded pure copper — not CCA — for real PoE current-carrying capacity and stable long-term resistance.
- **Controlled twist lay:** Tight, varied pair twist lengths are maintained all the way to the IDC crimp point, with less than 13 mm of untwisted wire at each termination to protect NEXT performance.
- **Our own RJ45 plugs:** We don't buy commodity connectors — the plugs on these cords are [manufactured in our own Dongguan factory](#) with precision-stamped phosphor bronze contacts plated in-house, giving us full traceability from copper melt to finished cord.
- **100% Fluke testing:** Every cord passes through an automated Fluke DSX-8000 test cell before packaging. Any unit that fails wire map, NEXT, return loss or insertion loss is cut and re-terminated — not shipped.
- **Molded snagless boots:** Injection-molded directly onto the cable jacket for strong strain relief and a clean latch protector that survives frequent moves, adds and changes without snapping.

Q: Are Cat5 and Cat5e patch cords the same?

A: No. Original Cat5 was rated for 100 MHz and Fast Ethernet (100 Mbps). [Cat5e \(enhanced\)](#) tightened the specification for Near-End Crosstalk (NEXT), Power-Sum NEXT, and Return Loss, raising the bandwidth to 350 MHz and certifying Gigabit Ethernet (1000 Mbps) operation up to 100 meters. Cat5 is obsolete; all new installs and cord replacements should use Cat5e or higher.

Q: What is the difference between a patch cord and a regular Ethernet cable?

A: A patch cord is a factory-terminated, fixed-length cable with RJ45 plugs molded onto both ends, built with flexible stranded conductors for short connections between devices or between patch panels and switches. Permanent-link or "horizontal" cable installed inside walls and ceilings uses solid conductors and is terminated on-site into keystone jacks or patch panels. Patch cords are always stranded for flexibility; in-wall cable is solid for punching down.

Q: Which wiring scheme do you use — T568A or T568B?

A: Stock Cat5e patch cords are wired straight-through T568B, which is the de-facto standard in the US, Asia and most of the world. T568A straight-through and crossover pinouts are available on OEM orders at no additional charge. As long as both ends of a single cord use the same scheme, performance is identical — the choice is purely a site-administration convention.

Q: Can Cat5e patch cords support PoE?

A: Yes. Our standard 3μ"-6μ" gold Cat5e cords fully support IEEE 802.3af (15.4 W) and 802.3at PoE+ (30 W) for IP cameras, VoIP phones and wireless access points. For 802.3bt PoE++ (60–90 W) devices such as PTZ cameras, LED lighting and high-power Wi-Fi 6/7 APs, we recommend ordering with 15μ" or thicker gold plating and verifying total channel length against the IEEE power budget.

Q: What is the minimum order quantity?

A: 100 pieces per SKU for standard stock colors and lengths. OEM custom builds start at 500 pieces per SKU, with lower MOQs available for distributors running trial orders.

Q: Can I get free samples?

A: Yes. We provide free samples of stock Cat5e patch cords for qualified business customers; you cover only the international shipping cost. Request samples through our [sample request form](#).

OEM, Wholesale & Project Quotations**Technical specifications**

Specification	Published value
Category	Cat5e (Category 5 enhanced), UTP unshielded
Performance Standard	ANSI/TIA-568.2-D, ISO/IEC 11801 Class D, EN 50173-1
Bandwidth	Up to 350 MHz
Data Rate	10/100/1000 Mbps (Gigabit Ethernet) up to 100 m; 10GBASE-T up to 45 m (short-reach)
Conductor	24 AWG 7/0.20 mm stranded bare copper (BC)
Insulation	High-density Polyethylene (HDPE), 0.92 mm nominal
Twisted Pairs	4 pairs (8 conductors), pair-twisted with varied lay length to reduce crosstalk
Separator	Not required for Cat5e UTP (cross-web used on Cat6 and above)
Jacket Material	PVC (CM flame rating, CM/CMR/LSZH optional)
Jacket Outer Diameter	5.0 ± 0.2 mm
Jacket Color (stock)	White, Gray, Black, Blue, Red, Yellow, Green, Orange
Connector	8P8C RJ45 male plug, both ends, transparent polycarbonate housing
Contact Plating	3μ", 6μ", 15μ", 30μ" or 50μ" gold over 50μ" nickel on phosphor bronze (selectable)
Boot	Injection-molded snagless PVC strain-relief boot, color-matched to jacket
Wiring Scheme	TIA/EIA-568B straight-through (568A or crossover available on request)
Standard Lengths	0.25 m / 0.5 m / 1 m / 1.5 m / 2 m / 3 m / 5 m / 7 m / 10 m / 15 m / 20 m / 30 m

Specification	Published value
PoE Support	IEEE 802.3af/at (PoE / PoE+ up to 30 W); PoE++ (60/90 W) supported with 15μ"+ gold
Temperature Range	Operating: -20 °C to +60 °C; Storage: -40 °C to +75 °C
Flame Rating	UL 1581 VW-1 (CM); CMR riser and LSZH IEC 60332-1 available
Certifications	RoHS 2.0, REACH, ISO 9001; ETL/UL verified patch cord program available
Testing	100% Fluke DSX-8000: wire map, length, NEXT, PSNEXT, RL, IL, ACR-F; test reports on request
Packaging	Individual poly bag with Velcro tie; bulk 100 pcs/box or OEM blister/retail pack