

Cat8 Patch Cord

Cat8 Round Shielded Ethernet Patch Cable - 8P8C STP for Data Centers & High-Speed Networks



Key specifications

Category	Cat8
Bandwidth	2000 MHz
Data Rate	25 Gbps / 40 Gbps (up to 30m)
Shielding Type	STP (Shielded Twisted Pair) + Overall Braid

Product summary

Factory-Direct Cat8 STP Round Ethernet Patch Cable

- **Cat8 2000MHz bandwidth** – Full 25G/40G Ethernet support, future-proof for next-gen networks
- **Shielded STP design** – Individual pair shielding + overall braid for maximum EMI/RFI protection
- **8P8C connectors** – 3-prong 50µ" gold-plated contacts, metal shell, staggered layout with load bar
- **Round solid conductor** – Better for drag chains, data center cable management, high-flex environments
- **Data center grade** – Oil-resistant, high-temperature rated, optimized for 25G/40G applications
- **100% Fluke DSX tested** – NEXT, return loss, crosstalk, and alien crosstalk guaranteed

Product page:
<https://www.cnplugs.com/product/cat8-round-shielded-ethernet-patch-cable/>
Category: Cat8 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

[Inquire Now - Get Quote in 24h](#) [Chat on WhatsApp](#)

Why Cat8 for Future-Proof Networks

In today's data centers and enterprise networks, **Cat6 and Cat7 cables are becoming bottlenecks**. With the rise of 25G and 40G Ethernet, you need cabling that can handle the speed without signal degradation.

Our **Cat8 Round Shielded Ethernet Patch Cable** delivers **2000MHz bandwidth** and **full 25G/40G support**, making it the ideal choice for:

[Ideal Applications for Cat8 Cables](#)

- **Data Centers** - 25G/40G server-to-switch connections
- **Enterprise Networks** - High-speed backbone cabling
- **Cloud Computing** - Hyper-scale data center infrastructure
- **Financial Trading** - Low-latency high-frequency trading networks
- **Medical Imaging** - High-resolution imaging equipment
- **Industrial Automation** - High-speed machine vision and control systems

Cat8 vs Cat7 vs Cat6: The Technical Difference

Understanding the differences helps you choose the right cable for your network requirements:

PROUNTA Recommendation: For data centers and future-proof networks requiring 25G or 40G speeds, **Cat8 is the only choice** that provides the bandwidth and shielding needed for reliable high-speed performance.

PROUNTA Cat8 Round Shielded Patch Cable Specifications

Why Choose Round Cable for Cat8 Applications

At Cat8 speeds (25G/40G), **every detail matters**. Round cables offer distinct advantages:

[Round Cable Advantages for Cat8](#)

- **Better Signal Integrity:** Round geometry maintains consistent conductor spacing for superior high-frequency performance
- **Enhanced Shielding:** Round design allows for more effective overall braid shielding coverage
- **Improved Cooling:** Better airflow around round cables in high-density data center environments
- **Easier Management:** Round cables are easier to route and manage in cable trays and racks
- **Industry Standard:** Round Cat8 is the preferred choice for data center applications worldwide

Related Products

[Cat7 Round Shielded Ethernet Patch Cable](#)

600MHz bandwidth, STP design for industrial applications. Step down from Cat8 for most use cases.

[Cat6 Round UTP Ethernet Patch Cable](#)

250MHz bandwidth, unshielded design for office and low-EMI environments.

[Cat8 Toolless RJ45 Connector](#)

Field-terminable Cat8 connector for quick installations without crimping tools.

[All RJ45 Modular Plugs](#)

Browse our complete range of RJ45 connectors from Cat5e to Cat8.

Get a Quote for Cat8 Round Shielded Ethernet Patch Cable

□ 2000MHz Bandwidth □ 25G/40G Support □ Data Center Grade □ OEM/ODM Available □ Fast Delivery □
[Request a Quote](#) □ [WhatsApp Now](#)

PROUNTA - Dongguan Prounta Electronics Co., Ltd.
Factory-direct manufacturer of RJ45 connectors and Ethernet cable assemblies for data centers and industrial networks.
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Technical specifications

Specification	Published value
Category	Cat8
Bandwidth	2000 MHz
Data Rate	25 Gbps / 40 Gbps (up to 30m)
Shielding Type	STP (Shielded Twisted Pair) + Overall Braid
Conductor Material	100% Copper (Solid)
Conductor Gauge	23 AWG
Connector Type	8P8C RJ45 Modular Plug (Shielded)
Contact Layout	Staggered with Load Bar
Contact Material	Phosphor Bronze
Plating	50 microinches Gold
Connector Shell	Zinc Alloy (Metal)
Housing Material	Transparent polycarbonate (PC)
Jacket Material	PVC (Standard) / LSZH (Optional) / PUR (Industrial)
Jacket Color	Black, Gray, Blue (Custom available)
Standard Lengths	0.5m, 1m, 1.5m, 2m, 3m, 5m (Custom lengths available)
Contact Resistance	< 20 mΩ
Insertion Force	8-20 N
Extraction Force	25-80 N
Mating Cycles	> 750
Operating Temperature	-40°C to +75°C
Bend Radius (Min)	4x cable diameter
Certifications	RoHS, REACH, CE, UL, ISO/IEC 11801 Class I/II
Packaging	100 pcs/bag, 1000 pcs/carton (Custom packaging available)
Lead Time	5-10 days for stock lengths, 20-25 days for custom
MOQ	500 pcs (Negotiable for first order)