

Cat7 Patch Cord

Cat7 Round Shielded Ethernet Patch Cable - 8P8C STP for Industrial Applications

**Key specifications**

Category	Cat7
Bandwidth	600 MHz
Data Rate	10 Gbps (up to 100m)
Shielding Type	STP (Shielded Twisted Pair) + Overall Braid

Product summary

Factory-Direct Cat7 STP Round Ethernet Patch Cable

- **Cat7 600MHz bandwidth** – Full 10G Ethernet support up to 100m
- **Shielded STP design** – Individual pair shielding + overall foil braid for superior 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, moving equipment, and high-flex industrial environments
- **Industrial grade** – Oil-resistant, drag-chain rated, -40°C to +75°C operating range
- **100% Fluke DSX tested** – NEXT, return loss, crosstalk, and alien crosstalk guaranteed

Product page:

<https://www.cnplugs.com/product/cat7-round-shielded-ethernet-patch-cable/>

Category: Cat7 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 Cat7 STP Round Cables for Industrial Networks

In industrial environments – near motors, VFDs (Variable Frequency Drives), PLCs, or high-power equipment – **electromagnetic interference (EMI) and radio frequency interference (RFI) can destroy data integrity**. Standard Cat6 UTP cables simply cannot provide the protection needed for reliable industrial Ethernet communication.

Our **Cat7 Round Shielded Ethernet Patch Cable** is specifically engineered for these challenging conditions. It features:

Industrial-Grade Protection Features

- **Individual Pair Shielding (PiMF)** – Each of the 4 pairs is wrapped in foil shielding
- **Overall Braided Shield** – An additional foil braid surrounds all pairs for maximum EMI protection
- **Metal Shell Connectors** – 360° shielding continuity from cable to plug
- **Oil-Resistant Jacket** – Withstands exposure to oils, solvents, and industrial contaminants
- **Drag-Chain Rated** – Designed for continuous flexing in automated machinery
- **Extended Temperature Range** – -40°C to +75°C for harsh environments

Cat7 vs Cat6: When to Choose Each

Understanding the difference helps you select the right cable for your application:

PROUNTA Cat7 Round Shielded Patch Cable Specifications

Related Products

Cat7 Shielded RJ45 Connector (Metal Can)

Matching connector for Cat7 shielded cables. Metal can design with fork ground for superior EMI protection.

Cat7 STP RJ45 Plug with Separator

Cat7 connector with internal separator for pair isolation. 10Gbps rated, shielded design.

Cat6 Round UTP Ethernet Patch Cable

Non-shielded version for office and low-EMI environments. Compare with Cat7 STP for your needs.

PROFINET RJ45 Field Plug (Metal Hood)

Industrial field-terminable RJ45 connector for PROFINET networks. Shielded, metal hood design.

All RJ45 Modular Plugs

Browse our complete range of RJ45 connectors for industrial and commercial applications.

Get a Quote for Cat7 Round Shielded Ethernet Patch Cable

[100% Fluke DSX Tested](#) [Industrial Grade EMI Protection](#) [10G Full Speed Up to 100m](#) [OEM/ODM Available](#)
[Fast Delivery \(5-10 Days\)](#) [Request a Quote](#) [WhatsApp Now](#)

PROUNTA - Dongguan Prounta Electronics Co., Ltd.

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Technical specifications

Specification	Published value
Category	Cat7
Bandwidth	600 MHz
Data Rate	10 Gbps (up to 100m)
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, 10m (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 F
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)