Cat6 Flat Patch Cord

Cat6 Flat Ethernet Patch Cable Manufacturer – Custom Length

Key specifications

Product type	Flat Ethernet network patch cable
Category	Cat6
Connector configuration	RJ45-style 8P8C male to male
Wiring	Straight-through, typically T568B at both ends

Product summary

- **Space-saving flat profile:** Low-profile Cat6 cable routes neatly along baseboards, behind furniture and beneath suitable low-traffic floor coverings.
- **Reliable Cat6 connectivity:** Designed for 1000BASE-T Gigabit Ethernet and up to 250MHz in a compliant channel; validated short-link 10G options are available.
- **RJ45 male-to-male:** Compatible with standard Ethernet ports on routers, switches, computers, modems, access points, game consoles and smart TVs.
- **Snagless molded boots:** Integrated strain relief protects the RJ45 latch and supports the cable-to-connector transition.
- **Flexible stranded conductors:** Typical 32 AWG U/UTP construction offers easy routing in homes, offices and compact network installations.
- **Custom lengths and colors:** Metric and imperial lengths plus blue, black, white, gray and other OEM colors can be produced to order.
- **Private-label packaging:** Options include individual bags, retail boxes, barcode labels, bundled packs and branded master cartons.
- **Factory-direct OEM/ODM:** PROUNTA supports conductor, jacket, connector, color, length and packaging customization with sample testing.

Product page:
https://www.cnplugs.com/product/cat6-flat-ethernet-patch-cable/

Category: Cat6 Flat Patch Cord

Contact & technical support

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Product details

Cat6 Flat Ethernet Patch Cable for Space-Saving Network Connections

The PROUNTA Cat6 flat Ethernet patch cable is a slim RJ45 male-to-male network cord designed for organized routing in homes, offices, retail systems and compact equipment areas. Its flat ribbon profile can follow baseboards, pass behind furniture and fit into spaces where a conventional round cable creates unnecessary bulk. Molded snagless boots protect the RJ45 latches and provide a flexible transition between each plug and cable jacket.

This U/UTP patch cord is available in custom lengths, jacket colors and private-label packaging for distributors, network brands, installers and OEM equipment suppliers. The pictured version uses a light-blue flat jacket with transparent RJ45 plugs and matching molded boots. Product performance depends on conductor material, gauge, length, termination and testing; the flat shape alone does not increase or reduce category rating.

Cat6 Performance with Practical Installation Flexibility

Category 6 cabling is specified to 250MHz and supports 1000BASE-T over a compliant 100-meter channel. Cat6 can also support 10GBASE-T over qualified shorter distances, but a thin 32 AWG patch cable should not be advertised for a specific 10G length without validation. For technical background, see Wikipedia’s Category 6 cable article.

The cord uses two 8P8C male modular plugs wired as a straight-through patch cable, normally following T568B at both ends. It connects standard Ethernet equipment without an adapter. Wikipedia’s Ethernet over twisted pair overview explains common copper Ethernet interfaces and link architectures.

Flat Cable Routing Advantages

A flat cable sits close to walls and furniture, making it useful for visible installations where appearance matters. It can route under the edge of a rug, around a desk or through a narrow gap more discreetly than many round cords. The flexible stranded construction also simplifies coiling and packaging.

Flat does not mean indestructible. Avoid sharp folds, repeated crushing, rolling chair paths, door thresholds, staples and high-temperature locations. Do not place the cable permanently beneath carpet where building codes, abrasion, heat or traffic make the route unsafe. Observe an appropriate bend radius and use smooth cable clips when fixing it to a surface.

Custom Length, Color and Brand Packaging

PROUNTA can manufacture flat Cat6 patch cords in customer-defined metric or imperial lengths. Length should be measured from connector tip to connector tip unless another method is specified. Buyers should also define tolerance, cable color, boot color, wiring scheme, label content and packaging quantity. Physical samples are recommended when color consistency or installation clearance is critical.

OEM packaging options include plain or printed PE bags, resealable bags, color boxes, barcode labels, bundled multipacks and export cartons. Cable jackets, molded boots and labels can be coordinated with a customer’s brand program. Browse the network patch cord category and PROUNTA’s RJ45 connector catalog for related termination components.

Applications

Typical applications include router-to-computer connections, switches, modems, smart TVs, game consoles, network printers, access points, VoIP devices and compact office workstations. Flat cords are especially useful behind desks, entertainment cabinets and furniture or along a clean baseboard route. For high-density rack patching, confirm that the flat cable’s exit direction and bend behavior fit the cable-management system.

The transparent plugs and molded boots should match the cable’s conductor dimensions and flex requirements. Buyers developing related assemblies can review PROUNTA’s Cat6 and Cat5e modular plugs and RJ45 strain-relief boots.

Source Custom Cat6 Flat Patch Cables from PROUNTA

Reliable flat patch cords require stable conductor geometry, accurate length, secure molded terminations and consistent electrical testing. PROUNTA supports samples, custom colors, made-to-order lengths and branded packaging for distributors, installers and network equipment suppliers for global private-label network accessory programs.

Technical specifications

Specification	Published value
Product type	Flat Ethernet network patch cable
Category	Cat6
Connector configuration	RJ45-style 8P8C male to male
Wiring	Straight-through, typically T568B at both ends
Shielding	U/UTP unshielded
Nominal bandwidth	250MHz Cat6; higher tested frequency available by specification
Standard data application	10/100/1000BASE-T; short-link 10G subject to testing
Typical conductor	32 AWG stranded copper; confirm selected construction
Cable profile	Flat four-pair ribbon construction
Typical thickness	Approximately 1.2–1.8mm, model dependent
Jacket	Flexible PVC; LSZH or other options by project
Connector contacts	Gold-plated copper-alloy contacts
Boot design	Molded snagless strain relief
Standard colors	Blue, black, white and gray; custom colors available
Length options	Standard metric/imperial lengths and custom lengths
PoE use	Only on validated gauge, length, bundle and temperature configurations
Packaging	PE bag, retail box, bundled pack or private-label carton
Testing	Wire map, continuity and specified channel/patch-cord test options