



## Cat8.1 U/FTP Slim Network Patch Cable, 0.5 ft., Black, 10-Pack

**40G, 2 GHz, 100% Copper, 30 AWG, RJ45, Stranded, Snag-free, Gold-plated Contacts**

Part No.: **745017**

EAN-13: 0766623745017 | UPC: 766623745017

## Cat 8 Ethernet Cable, 10 pcs - 40G, 2000 MHz LAN patch cord, ultra-thin - future-proof high-end connections in data centers and more

Establish your high-performance network connections, especially for Top of Rack (ToR) and Middle of Row (MoR) installations in data centers, with this Cat8.1 U/FTP Network Patch Cable from Intellinet Network Solutions. Our Cat8 Ethernet cable speeds can reach as high as 40 Gbps, with frequencies supported up to 2 GHz. It's a clear winner in achieving future-proof network connections.

### Strong, yet slim, space-saving design

This stranded-copper Cat8 cable offers all the benefits of a standard Cat8.1 network cable but with a diameter that's considerably smaller. In dense cable installations, the cable creates a tidier and more-organized look, and its thinner size helps promote better air circulation to equipment in a network cabinet. The cable's reduced size also means it is more flexible, which makes it a perfect choice for installation around corners and in tight-space cable runs.

### Aluminum foil shielding for good signal quality and low noise

For more information on Intellinet products, consult your local dealer or visit [www.intellinet-network.com](http://www.intellinet-network.com).

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This Cat8 patch cable is ideal for ultra-high performance network applications up to 25GBase-T and 40GBase-T with PoE applications up to IEEE802.3bt / PoE++ / 4PPoE / Ultra PoE. Its U/FTP design has the inner cable wrapped in an overall aluminum braid. The result is great data transfer because it helps prevent interference such as near-end crosstalk (NEXT) if cables run parallel to each other.

## **Pure copper cable with gold-plated contacts for perfect conductivity**

As opposed to other cables that are manufactured with copper-clad aluminum (CCA) or even copper-clad steel (CCS), this Cat 8 Ethernet cable contains 100% pure bare copper for perfect conductivity. Gold plating on the contacts makes them corrosion-resistant in every environment. Such quality construction makes our Cat8 patch cable compliant with the highest data-cable requirements.

## **Snag-free Boot Design**

The snag-free boot design makes all patch cables from Intellinet Network Solutions the perfect choice for high-density environments, like data centers or server rooms. The cable plugs are equipped with strain relief and a molded boot for protection that makes it easy to safely connect and disconnect the latch without breaking it.

### **Features:**

- Cat8.1 Class I with 40G / 25G and 2000 MHz in accordance with ISO/IEC 11801 and EN 50173-1
- Pure bare copper wire for maximum conductivity
- U/FTP with aluminum foil shielding around each pair
- 50 micro-inch gold-plated contacts for corrosion-free connections
- Snag-free boots to smoothly and easily pull the cable without damaging the RJ45 connectors
- Future-proof high-end connection; ideal for ToR and MoR cabling installations in data centers
- Ultra-thin format for more flexibility and simplified cable management in dense installations
- Ideal for HDBaseT and PoE applications up to IEEE802.3bt / PoE++ / 4PPoE / Ultra PoE
- Heavy-duty strain relief
- UL approved
- CM rating for in-wall Ethernet installations to safeguard against potential fire risks
- Compatible and color-coded with T568A and T568B
- Standard 8P8C design, compatible with all network RJ45 connections

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- Fully backward compatible with previous cable categories, including Category 6a, 6, 5e and 5
- Lifetime warranty

## **Specifications:**

### Standards and Certifications

- UL
- ISO/IEC 11801
- EN 50173-1
- CE
- RoHS
- REACH
- 25GBase-T/40GBase-T
- ANSI/TIA-568.2-D

### General

- Supported transfer speeds: up to 40 Gbps
- Max. operating frequency: 2000 MHz
- Supports all PoE standards up to IEEE802.3bt / PoE++ / 4PPoE / Ultra PoE
- Mating cycles:  $\geq 750$

### Connectors

- Two RJ45 male
- 50 micro-inch gold-plated contacts

### Cable

- 30 AWG
- Shielding: U/FTP with aluminum foil shielding around each pair
- CM-rated jacket
- Wire: 100% pure bare copper (Cu)
- Jacket OD: 0.19 in.  $\pm 0.01$  in. (4.8 mm  $\pm 0.3$  mm)
- Conductor type: stranded
- Cable type: round
- Length: 0.5 ft. (0.15 m)
- Net weight per cable: 0.35 oz. (10 g)
- Gross weight 10-pack: 4.13 oz. (117 g)

### Electrical

- Insulation resistance:  $\geq 10$  MOhm
- Dielectric withstanding voltage: 300 VDC

### Environmental

- Operating temperature: 14 - 140°F (-10 - 60°C)
- Storage temperature: -40 - 158°F (-40 - 70°C)
- Operating humidity (non-condensing): 10 - 90% RH

## Package Contents

- 10 x Cat8.1 U/FTP Slim Network Patch Cable, 0.5 ft., Black





