



## Cat8.1 U/FTP Slim Network Patch Cable, 5 ft., Green, 10-Pack

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

Part No.: **744959**

EAN-13: 0766623744959 | UPC: 766623744959

## 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).

All names of products or services mentioned herein are trademarks or registered trademarks of their respective owners. Distribution and reproduction of this document, and use and disclosure of the contents herein, are prohibited unless specifically authorized.

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

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

All names of products or services mentioned herein are trademarks or registered trademarks of their respective owners. Distribution and reproduction of this document, and use and disclosure of the contents herein, are prohibited unless specifically authorized.

- 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: 5 ft. (1.5 m)
- Net weight per cable: 1.06 oz. (30 g)
- Gross weight 10-pack: 10.93 oz. (310 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





