



Cat8.1 S/FTP Network Patch Cable, 0.25m, Gray

40G, 2 GHz, LSZH, 100% Copper, 24 AWG, RJ45, Stranded, Snag-free, Gold-plated Contacts

Part No.: **742337**

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Cat8 Ethernet Cable - S/FTP, 40G, 2000 MHz LSZH LAN patch cord - 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 S/FTP Network Patch Cable from Intellinet Network Solutions. It supports 40 Gbps data transmissions with frequencies up to 2 GHz and all PoE applications up to PoE++.

Maximum shielding for best signal quality and low noise

This stranded 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 multi-layer S/FTP design has each pair of cores shielded with aluminum foil while the inner cable is wrapped in an overall aluminum braid. The result is superior data transfer because it prevents interference such as near-end crosstalk (NEXT) if cables run parallel to each other.

Pure copper cable with gold-plated contacts for perfect

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conductivity

As opposed to other cables that are manufactured with copper-clad aluminum (CCA) or even copper-clad steel (CCS), this cable contains 100% pure bare copper for perfect conductivity. This Cat8 Ethernet Cable is therefore compliant with the highest data-cable requirements and is ideal for use in PoE applications. Gold plating on the contacts makes them corrosion-resistant in every environment.

Low Smoke Zero Halogen (LSZH/LS0H) jacket

The cable jacket does not contain any halogen, which significantly reduces the release of toxic gases and vapors, should combustion ever occur. LSZH is frequently part of health and safety regulations applying to poorly aired spaces where it protects people and equipment from corrosive gasses.

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:

- Certified 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
- S/FTP with overall aluminum braid shielding and aluminum foil around each pair
- Low Smoke Zero Halogen (LSZH/LS0H) jacket in accordance with IEC 60754-2 to reduce toxic gases in case of fire
- 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
- Ideal for HDBaseT and PoE applications up to IEEE802.3bt / PoE++ / 4PPoE / Ultra PoE
- Heavy-duty strain relief
- Compatible and color-coded with T568A and T568B
- Standard 8P8C design, compatible with all network RJ45 connections
- Fully backward compatible with previous cable categories, including Category 6a, 6, 5e and 5

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- Lifetime warranty

Specifications:

Standards and Certifications

- ISO/IEC 11801
- EN 50173-1
- IEC 60754-2
- CE
- RoHS
- UKCA
- 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: ≥ 750

Connectors

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

Cable

- 24/7 AWG
- Shielding: S/FTP with overall aluminum braid shielding and aluminum foil around each pair (PiMF)
- LSZH jacket
- Wire: 100% pure bare copper (Cu)
- Jacket OD: 7.5 mm ± 0.2 mm
- Conductor type: stranded
- Cable type: round
- Length: 0.25 m (1 ft.)
- Net weight: 20 g
- Gross weight: 25 g

Electrical

- Insulation resistance: ≥ 500 MOhm
- Contact resistance: 30 MOhm max.
- Dielectric withstanding voltage: 2500 VDC

Environmental

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

Package Contents

- Cat8.1 S/FTP Network Patch Cable, 0.25 m, Gray

