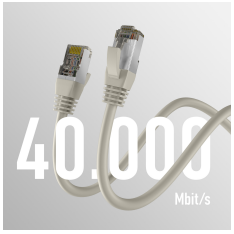
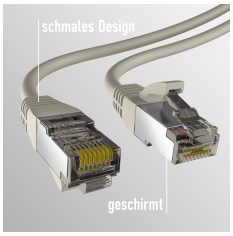
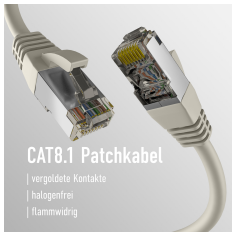
# DATASHEET

## CAT8.1 GREY 7,5m RJ45 Patch Cable S/FTP PIMF LSZH 2000MHZ 40GB Network Cable



### General data

**Achieve speeds of up to 40 Gbps with Cat.8 cables**

Category 8, or simply Cat.8, is the fastest copper Ethernet cable available. It represents a significant leap in data transmission speed compared to Cat.7 and Cat.6a cables: The Cat 8.1 network cable from EFB-Elektronik is designed for transmission speeds of up to 40 Gbps and an operating frequency of up to 2000 MHz. That's four times the performance of Cat.6a and Cat.7 cables. EFB-Elektronik's Cat.8.1 patch cables are individually tested with a Fluke measuring device, and the corresponding report is included with each cable.

**Order Cat.8 network cables online**

Cat.8.1 LAN cables are perfect for use in high-speed networks and for connecting routers, switches, servers, patch

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panels, and much more. To fully utilize the capacity, the other components in the network should also be designed for such speeds. In combination with the EFB-Elektronik data outlet and the EFB-Elektronik patch panel, you can achieve the optimal performance of the Cat.8 network cable. Cat.8.1 patch cables are ideal for switch-to-switch communication in data centers and server rooms. These ultra-fast Cat.8 network cables are also used in professional networking and media technology. With Cat.8 network cables, a foil sheath surrounds each twisted pair of wires to virtually eliminate crosstalk and enable higher data transmission speeds. The halogen-free outer jacket of the LAN cable provides additional safety. In the Cat.8.1 version, the cable has a high-quality, shielded RJ45 connector with gold-plated contacts. Thanks to its kink and strain relief, a high number of mating cycles are possible.

Cat.8 network cables support Power over Ethernet (PoE) technology for transmitting power and data over a single cable. By eliminating or reducing the need for power cables, Cat.8 patch cables can save considerable space in crowded server rooms.

The Cat.8.1 network cables from EFB-Elektronik are backward compatible and can also be used in Cat.5 or Cat.6 networks, achieving speeds of up to 40 Gbps.

| **Technical properties** | |
|---|---|
| AWG-size | 26/7 |
| Allocation | acc. TIA/EIA 568B |
| Anti-kink sleeve | moulded-on |
| Area of Application | Data center |
| Cable construction | 4x2 |
| Cable type | S/FTP |
| Category | 8.1 |
| Colour anti-kink sleeve | grey |
| Colour outer sheath | grey |
| Conductor Material | Copper |
| Connector type | RJ45 standard |
| Contacts | 50 µ" Gold plated |
| Length imprint | True |
| Locking lever | True |
| Material outer sheath | LSZH |
| Model | shielded |
| Outer diameter of the cable | 6.2 mm |
| Pin assignment | 1:1 |
| Printing | www.efb-elektronik.de |
| Raw cable | Cat.8.1 |
| Suitable for degree of protection (IP) | IP20 |
| Type of connector connection 1 | RJ45 8(8) |

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| | |
|---|---|
| Type of connector connection 2 | RJ45 8(8) |

**Available variants**

| ArtNr. | Bezeichnung | Length |
|---|---|---|
| EC020200255 | CAT8.1 GREY 0,25m RJ45 Patch Cable S/FTP PIMF LSZH 2000MHZ 40GB Network Cable | 0.25 m |
| EC020200256 | CAT8.1 GREY 0,50m RJ45 Patch Cable S/FTP PIMF LSZH 2000MHZ 40GB Network Cable | 0.50 m |
| EC020200257 | CAT8.1 GREY 1m RJ45 Patch Cable S/FTP PIMF LSZH 2000MHZ 40GB Network Cable | 1.0 m |
| EC020200258 | CAT8.1 GREY 1,5m RJ45 Patch Cable S/FTP PIMF LSZH 2000MHZ 40GB Network Cable | 1.5 m |
| EC020200259 | CAT8.1 GREY 2m RJ45 Patch Cable S/FTP PIMF LSZH 2000MHZ 40GB Network Cable | 2.0 m |
| EC020200260 | CAT8.1 GREY 3m RJ45 Patch Cable S/FTP PIMF LSZH 2000MHZ 40GB Network Cable | 3.0 m |
| EC020200261 | CAT8.1 GREY 5m RJ45 Patch Cable S/FTP PIMF LSZH 2000MHZ 40GB Network Cable | 5.0 m |
| EC020200262 | CAT8.1 GREY 7,5m RJ45 Patch Cable S/FTP PIMF LSZH 2000MHZ 40GB Network Cable | 7.5 m |
| EC020200263 | CAT8.1 GREY 10m RJ45 Patch Cable S/FTP PIMF LSZH 2000MHZ 40GB Network Cable | 10.0 m |
| EC020200264 | CAT8.1 GREY 15m RJ45 Patch Cable S/FTP PIMF LSZH 2000MHZ 40GB Network Cable | 15.0 m |
| EC020200265 | CAT8.1 GREY 20m RJ45 Patch Cable S/FTP PIMF LSZH 2000MHZ 40GB Network Cable | 20.0 m |

**Note on Intended Use**

This data sheet is intended solely to describe the technical characteristics of the product. It does not replace an assessment of the product's suitability for a specific application. The user is responsible for ensuring that the product is used in accordance with its technical specifications and applicable legal and regulatory requirements.

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