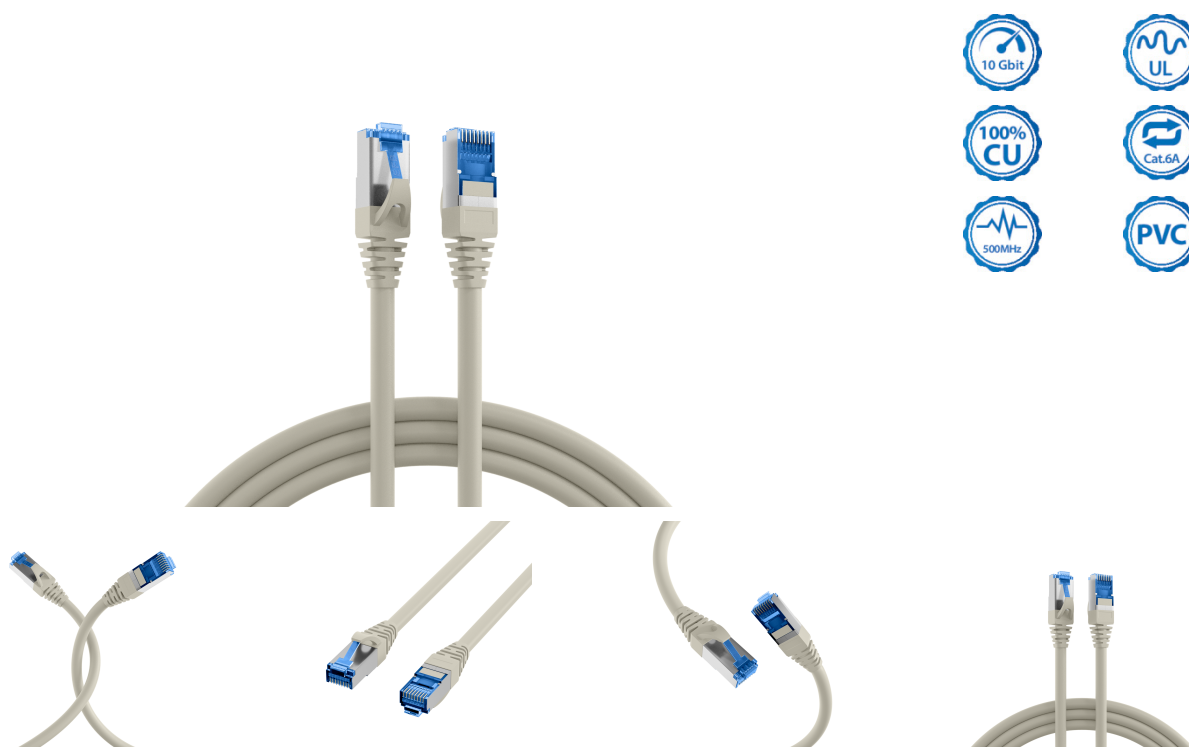


# DATASHEET

## RJ45 Patch Cord Cat.6A S/FTP PVCUL grey 3m



### General data

This Cat.6A (TIA) LAN cable from EFB-Elektronik supports data transfers up to 10Gbit. S/FTP shielding reliably protects against interference and ensures good signal quality. Since it is a Cat.6A (TIA) Ethernet cable, it offers a frequency range of up to 500MHz, which provides high data transmission performance.

- Increase interference immunity in electromagnetically charged environments – double shielding (S/FTP) improves EMC reserve, reduces susceptibility to radiation and stabilizes transmission in parallel cable routing.
- Cover fire protection requirements in compliance with standards – flame-retardant cable behaviour according to IEC60332-1 reduces the spread of fire in the event of a fault and supports compliance with common installation specifications.
- Power and connect end devices via one cable – reduces cabling effort because data and power are transmitted via 4PPoE according to IEEE802.3bt on one line (fewer power supplies/sockets, faster installation).

### Product Description

The S/FTP data cable has a double shield, which effectively reduces electromagnetic interference. It can be used in a temperature range of -20 – 75 °C. The wide range of possible applications is supported by the bending radius of >31 mm. The patch cable has an IP20 rating. The polyvinyl chloride (PVC) jacket is a flexible standard jacket for network applications, without special fire protection properties.

### Technical details

- Cat.6A (TIA)

This datasheet was created automatically on 01-11-2026 . Technical changes reserved.



# DATASHEET

## RJ45 Patch Cord Cat.6A S/FTP PVCUL grey 3m

- Connector: RJ45 8(8) to RJ45 8(8) with blue RJ45 connectors
- Shielding: S/FTP cable with 4x2 x AWG26/7
- Cable shape: round
- Pin assignment: 1:1 according to TIA/EIA 568B
- Equivalent to PoE class: PoE to IEEE802.3af, PoE+ to IEEE802.3at, and 4PPoE to IEEE802.3bt
- UL approved
- Gold-plated contacts
- Sheath: Polyvinyl chloride (PVC) sheath material
- Outer diameter: 6.5 mm
- With an injected anti-kink grommet
- Fire protection: flame-retardant according to IEC60332-1
- Degree of protection: IP20
- With a punctual screen contact
- With locking lever protection
- Mating cycles:  $\geq 750$
- Brand: EFB-Elektronik

### Technical properties

|                         |                         |
|-------------------------|-------------------------|
| AWG-size                | 26/7                    |
| Allocation              | acc. TIA/EIA 568B       |
| Anti-kink sleeve        | moulded-on              |
| Area of Application     | Industrial Ethernet     |
| Bandwidth               | 500MHz                  |
| Bending radius          | >31 mm                  |
| Cable construction      | 4x2                     |
| Cable shape             | rund                    |
| Cable type              | S/FTP                   |
| Cabling standard        | EN50173                 |
| Category                | 6A (TIA)                |
| Colour anti-kink sleeve | grey                    |
| Colour outer sheath     | grey                    |
| Conductive shield       | Selected shield contact |
| Conductor Material      | Copper                  |
| Conductor resistance DC | 142 $\Omega$ /km        |
| Connector               | IEC 60603-7-51          |
| Connector type          | RJ45 standard blue      |
| Contact Resistance      | 30 m $\Omega$           |
| Contacts                | Gold plated             |
| Current capacity        | max. 1.5 A              |
| Fire retardant version  | acc. IEC60332-1         |
| Halogen free            | False                   |

This datasheet was created automatically on 01-11-2026 . Technical changes reserved.



# DATASHEET

## RJ45 Patch Cord Cat.6A S/FTP PVCUL grey 3m

|                                        |                                                                                                          |
|----------------------------------------|----------------------------------------------------------------------------------------------------------|
| Harmonised Standard                    | EN 50575                                                                                                 |
| Impedance                              | 100 $\pm$ 15 $\Omega$                                                                                    |
| Insulation Resistance                  | 100 M $\Omega$                                                                                           |
| Length imprint                         | False                                                                                                    |
| Locking lever                          | True                                                                                                     |
| Loop resistance                        | 284 $\Omega$ /km                                                                                         |
| Material outer sheath                  | Polyvinylchlorid (PVC)                                                                                   |
| Mating cycles                          | $\geq$ 750                                                                                               |
| Model                                  | shielded                                                                                                 |
| Oil resistant                          | no                                                                                                       |
| Operating Temperature                  | -20 - 75 $^{\circ}$ C                                                                                    |
| Operating-/ tempering voltage          | max. 50 V DC                                                                                             |
| Outer diameter of the cable            | 6.5 mm                                                                                                   |
| Ozone resistance                       | No                                                                                                       |
| Pin assignment                         | 1:1                                                                                                      |
| Printing                               | E132276-C (UL) CM 75 $^{\circ}$ 4PR 26AWG CSA LL64151-C CMG 75 $^{\circ}$ C FT4 Cat.6(A) SSTP PATCH CORD |
| Resistant to chemicals                 | False                                                                                                    |
| Suitable for degree of protection (IP) | IP20                                                                                                     |
| Test voltage                           | 1000 (V DC, 1min) core/core und core/screen                                                              |
| Transmission                           | 10Gbit                                                                                                   |
| Type of connector connection 1         | RJ45 8(8)                                                                                                |
| Type of connector connection 2         | RJ45 8(8)                                                                                                |
| UL approbated                          | True                                                                                                     |
| UV resistant                           | Nein                                                                                                     |

### Available variants

| ArtNr.      | Bezeichnung                                  | Length POE class |                                                                            | Length tolerance |
|-------------|----------------------------------------------|------------------|----------------------------------------------------------------------------|------------------|
| K5535GR.0,5 | RJ45 Patch Cord Cat.6A S/FTP PVCUL grey 0,5m | 0.5 m            | PoE acc. to IEEE802.3af;PoE+ acc. to IEEE802.3at;4PPoE acc. to IEEE802.3bt | $\pm$ 5 %        |
| K5535GR.1   | RJ45 Patch Cord Cat.6A S/FTP PVCUL grey 1m   | 1.0 m            | PoE acc. to IEEE802.3af;PoE+ acc. to IEEE802.3at;4PPoE acc. to IEEE802.3bt | $\pm$ 5 %        |
| K5535GR.10  | RJ45 Patch Cord Cat.6A S/FTP PVCUL grey 10m  | 10.0 m           | PoE acc. to IEEE802.3af;PoE+ acc. to IEEE802.3at;4PPoE acc. to IEEE802.3bt | $\pm$ 5 %        |
| K5535GR.15  | RJ45 Patch Cord Cat.6A S/FTP PVCUL grey 15m  | 15.0 m           | PoE acc. to IEEE802.3af;PoE+ acc. to IEEE802.3at;4PPoE acc. to IEEE802.3bt | $\pm$ 5 %        |

This datasheet was created automatically on 01-11-2026 . Technical changes reserved.



# DATASHEET

## RJ45 Patch Cord Cat.6A S/FTP PVCUL grey 3m

|             |                                              |        |                                                                            |      |
|-------------|----------------------------------------------|--------|----------------------------------------------------------------------------|------|
| K5535GR.2   | RJ45 Patch Cord Cat.6A S/FTP PVCUL grey 2m   | 2.0 m  | PoE acc. to IEEE802.3af;PoE+ acc. to IEEE802.3at;4PPoE acc. to IEEE802.3bt | ±5 % |
| K5535GR.20  | RJ45 Patch Cord Cat.6A S/FTP PVCUL grey 20m  | 20.0 m | PoE acc. to IEEE802.3af;PoE+ acc. to IEEE802.3at;4PPoE acc. to IEEE802.3bt | ±5 % |
| K5535GR.3   | RJ45 Patch Cord Cat.6A S/FTP PVCUL grey 3m   | 3.0 m  | PoE acc. to IEEE802.3af;PoE+ acc. to IEEE802.3at;4PPoE acc. to IEEE802.3bt | ±5 % |
| K5535GR.30  | RJ45 Patch Cord Cat.6A S/FTP PVCUL grey 30m  | 30.0 m | PoE acc. to IEEE802.3af;PoE+ acc. to IEEE802.3at                           | ±5 % |
| K5535GR.5   | RJ45 Patch Cord Cat.6A S/FTP PVCUL grey 5m   | 5.0 m  | PoE acc. to IEEE802.3af;PoE+ acc. to IEEE802.3at;4PPoE acc. to IEEE802.3bt | ±5 % |
| K5535GR.7,5 | RJ45 Patch Cord Cat.6A S/FTP PVCUL grey 7,5m | 7.5 m  | PoE acc. to IEEE802.3af;PoE+ acc. to IEEE802.3at;4PPoE acc. to IEEE802.3bt | ±5 % |

### 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.

This datasheet was created automatically on 01-11-2026 . Technical changes reserved.

