# DATASHEET

## Cat.6A/classEA Installation link, S/FTP, 50m on drum





### General data

The Cat.6A (TIA) Ethernet cable from EFB-Elektronik supports data transmissions up to 10Gbit. The S/FTP shielding reliably protects against interference and ensures good signal quality.

• 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.
• Better visibility and safer evacuation in the event of an emergency after IEC61034 – low smoke development helps to keep escape routes as low-smoke as possible in the event of a fire.
• Reliable performance for your network connection – the pure copper conductor material ensures stable data transmission and supports consistent signal quality in typical IT and home network applications.

Product Description
The S/FTP network cable has a double shield that effectively reduces electromagnetic interference. The temperature range of the cable is -20 – 60 °C. The wide range of possible applications is supported by the bending radius of 4 x OD. The FRNC jacket is flame-retardant, halogen-free and low-smoke and is suitable for safety-critical, fixed installation areas.

Technical details
• Cat.6A (TIA)
• Connector: RJ45 8(8) to RJ45 8(8) with RJ45 connectors
• Shielding: S/FTP cable with 4x2 x AWG23

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

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- Cable shape: round
- Pin assignment: 1:1 according to TIA/EIA 568B
- Gold-plated contacts
- Sheath: FRNC sheath material
- With an injected anti-kink grommet
- Fire protection: flame-retardant, low-smoke according to IEC61034
- With a 360° umbrella attachment
- Brand: EFB-Elektronik

| **Technical properties** | |
|---|---|
| AWG-size | 23 |
| Allocation | acc. TIA/EIA 568B |
| Anti-kink sleeve | none |
| Bending radius | 4 x OD |
| Cable construction | 4x2 |
| Cable shape | rund |
| Cable type | S/FTP |
| Cabling standard | ISO/IEC 11801 |
| Category | 6A (TIA) |
| Colour anti-kink sleeve | black |
| Colour outer sheath | orange |
| Conductive shield | 360° shield contact |
| Conductor Material | Copper |
| Contacts | Gold plated |
| Dust cover | True |
| Fire retardant version | True |
| Length imprint | False |
| Locking lever | False |
| Low smoke | acc. IEC61034 |
| Material outer sheath | FRNC |
| Model | shielded |
| NVP value | 79 % |
| Oil resistant | no |
| Operating Temperature | -20 – 60 °C |
| Ozone resistance | No |
| Pin assignment | 1:1 |
| Raw cable | Cat.7 |
| Resistant to chemicals | False |
| Test voltage | 1000 (V DC, 1min) core/core und core/screen |

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| | |
|---|---|
| Transmission | 10Gbit |
| Type of connector connection 1 | RJ45 8(8) |
| Type of connector connection 2 | RJ45 8(8) |
| UL approbated | False |
| UV resistant | Nein |

**Available variants**

| ArtNr. | Bezeichnung | Length |
|---|---|---|
| K9201.50 | Cat.6A/classEA Installation link, S/FTP, 50m on drum | 50.0 m |
| K9201.90 | Cat.6A/classEA Installation link, S/FTP, 90m on drum | 90.0 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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