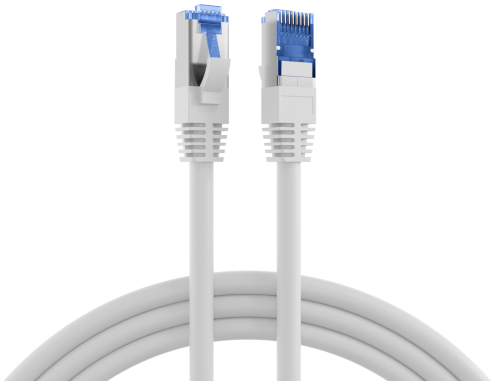
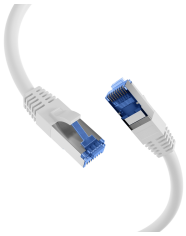
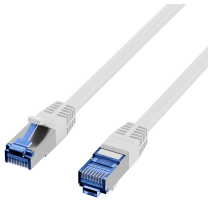
# DATASHEET

## RJ45 Patch Cord Cat.6A S/FTP TPE Cat.7 raw cable superflex white 0,25m



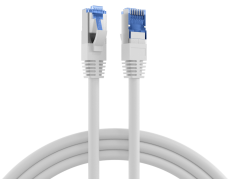













### General data

This Cat.6A (IEC) data cable from EFB-Elektronik supports data transmissions up to 10Gbit. The S/FTP shielding reliably protects against interference and ensures good signal quality. Since it is a Cat.6A (IEC) Ethernet cable, it supports a frequency range 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).

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## RJ45 Patch Cord Cat.6A S/FTP TPE Cat.7 raw cable superflex white 0,25m

Product Description
The S/FTP data cable has double shielding, which effectively minimizes electromagnetic interference. It can be used in a temperature range of -20 – 60 °C. The wide range of possible applications is supported by the bending radius of >32.5 mm. The Ethernet cable has an IP20 rating. The TPE/LSZH jacket is flexible, halogen-free and low-smoke, making it ideal for safe and professional patch and server cabinet installations.

Technical details
• Cat.6A (IEC)
• 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
• Gold-plated contacts
• Sheath: TPE/LSZH sheath material
• Outer diameter: 6.5 mm
• With an injected anti-kink grommet
• Fire protection: flame-retardant according to IEC60332-1, low-smoke according to IEC61034, halogen-free according to IEC60754-2
• Degree of protection: IP20
• With a 360° umbrella attachment
• With locking lever protection
• Mating cycles: ≥750
• With length print
• 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 | >32,5 mm |
| Cable construction | 4x2 |
| Cable shape | round |
| Cable type | S/FTP |
| Cabling standard | EN50173 |
| Category | 6A (IEC) |
| Colour anti-kink sleeve | white |
| Colour outer sheath | white |
| Conductive shield | 360° shield contact |



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## RJ45 Patch Cord Cat.6A S/FTP TPE Cat.7 raw cable superflex white 0,25m

| | |
|---|---|
| Conductor Material | Copper |
| Conductor resistance DC | 142 Ω/km |
| Connector | IEC 60603-7-51 |
| Connector type | RJ45 standard blue |
| Contact Resistance | 30 mΩ |
| Contacts | Gold plated |
| Current capacity | max. 1 A |
| Fire retardant version | acc. IEC60332-1 |
| Halogen free | acc. IEC60754-2 |
| Harmonised Standard | EN 50575 |
| Impedance | 100 ±25 Ω |
| Insulation Resistance | 100 MΩ |
| Length imprint | True |
| Locking lever | True |
| Loop resistance | 284 Ω/km |
| Low smoke | acc. IEC61034 |
| Material outer sheath | TPE/LSZH |
| Mating cycles | ≥750 |
| Model | shielded |
| Oil resistant | no |
| Operating Temperature | -20 – 60 °C |
| Operating-/ tempering voltage | max. 50 V DC |
| Outer diameter of the cable | 6.5 mm |
| Ozone resistance | No |
| Pin assignment | 1:1 |
| Printing | Cat.6 S/FTP 4x2xAWG27/7 PIMF ISO/IEC 11801 & EN50173-1 TIA/EIA 568B.2-1 Halogen Free ***Gigabit*** www.efb-elektronik.de |
| Raw cable | Cat.7 |
| Resistance unbalance | 2 % |
| Resistant to chemicals | False |
| Silicone-free | True |
| 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) |

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## RJ45 Patch Cord Cat.6A S/FTP TPE Cat.7 raw cable superflex white 0,25m

| | |
|---|---|
| Type of connector connection 2 | RJ45 8(8) |
| UL approbated | False |
| UV resistant | no |

**Available variants**

| ArtNr. | Bezeichnung | Length | POE class | Length tolerance |
|---|---|---|---|---|
| K5525FWS.0,15 | RJ45 Patch Cord Cat.6A S/FTP TPE Cat.7 raw cable superflex white 0,15m | 0.15 m | PoE acc. to IEEE802.3af;PoE+ acc. to IEEE802.3at;4PPoE acc. to IEEE802.3bt | ±5 % |
| K5525FWS.0,25 | RJ45 Patch Cord Cat.6A S/FTP TPE Cat.7 raw cable superflex white 0,25m | 0.25 m | PoE acc. to IEEE802.3af;PoE+ acc. to IEEE802.3at;4PPoE acc. to IEEE802.3bt | ±5 % |
| K5525FWS.0,5 | RJ45 Patch Cord Cat.6A S/FTP TPE Cat.7 raw cable superflex white 0,5m | 0.5 m | PoE acc. to IEEE802.3af;PoE+ acc. to IEEE802.3at;4PPoE acc. to IEEE802.3bt | ±5 % |
| K5525FWS.1 | RJ45 Patch Cord Cat.6A S/FTP TPE Cat.7 raw cable superflex white 1m | 1.0 m | PoE acc. to IEEE802.3af;PoE+ acc. to IEEE802.3at;4PPoE acc. to IEEE802.3bt | ±5 % |
| K5525FWS.1,5 | RJ45 Patch Cord Cat.6A S/FTP TPE Cat.7 raw cable superflex white 1,5m | 1.5 m | PoE acc. to IEEE802.3af;PoE+ acc. to IEEE802.3at;4PPoE acc. to IEEE802.3bt | ±5 % |
| K5525FWS.10 | RJ45 Patch Cord Cat.6A S/FTP TPE Cat.7 raw cable superflex white 10m | 10.0 m | PoE acc. to IEEE802.3af;PoE+ acc. to IEEE802.3at;4PPoE acc. to IEEE802.3bt | ±5 % |
| K5525FWS.15 | RJ45 Patch Cord Cat.6A S/FTP TPE Cat.7 raw cable superflex white 15m | 15.0 m | PoE acc. to IEEE802.3af;PoE+ acc. to IEEE802.3at;4PPoE acc. to IEEE802.3bt | ±5 % |
| K5525FWS.2 | RJ45 Patch Cord Cat.6A S/FTP TPE Cat.7 raw cable superflex white 2m | 2.0 m | PoE acc. to IEEE802.3af;PoE+ acc. to IEEE802.3at;4PPoE acc. to IEEE802.3bt | ±5 % |
| K5525FWS.20 | RJ45 Patch Cord Cat.6A S/FTP TPE Cat.7 raw cable superflex white 20m | 20.0 m | PoE acc. to IEEE802.3af;PoE+ acc. to IEEE802.3at;4PPoE acc. to IEEE802.3bt | ±5 % |
| K5525FWS.25 | RJ45 Patch Cord Cat.6A S/FTP TPE Cat.7 raw cable superflex white 25m | 25.0 m | PoE acc. to IEEE802.3af;PoE+ acc. to IEEE802.3at | ±5 % |
| K5525FWS.3 | RJ45 Patch Cord Cat.6A S/FTP TPE Cat.7 raw cable superflex white 3m | 3.0 m | PoE acc. to IEEE802.3af;PoE+ acc. to IEEE802.3at;4PPoE acc. to IEEE802.3bt | ±5 % |
| K5525FWS.30 | RJ45 Patch Cord Cat.6A S/FTP TPE Cat.7 raw cable superflex white 30m | 30.0 m | PoE acc. to IEEE802.3af;PoE+ acc. to IEEE802.3at | ±5 % |
| K5525FWS.4 | RJ45 Patch Cord Cat.6A S/FTP TPE Cat.7 raw cable superflex white 4m | 4.0 m | PoE acc. to IEEE802.3af;PoE+ acc. to IEEE802.3at;4PPoE acc. to IEEE802.3bt | ±5 % |
| K5525FWS.5 | RJ45 Patch Cord Cat.6A S/FTP TPE Cat.7 raw cable superflex white 5m | 5.0 m | PoE acc. to IEEE802.3af;PoE+ acc. to IEEE802.3at;4PPoE acc. to IEEE802.3bt | ±5 % |
| K5525FWS.7,5 | RJ45 Patch Cord Cat.6A S/FTP TPE Cat.7 raw cable superflex white 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**

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## RJ45 Patch Cord Cat.6A S/FTP TPE Cat.7 raw cable superflex white 0,25m

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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