# DATASHEET

## RJ45 Patch Cord Cat.5e SF/UTP PVC CCA grey 15m




### General data

The Cat.5e patch cable from EFB-Elektronik transmits data up to 2.5Gbit. SF/UTP shielding reliably protects against interference and ensures high-quality signal. Because it is a Cat.5e network cable, it offers a frequency range of up to 100MHz.

• Increase interference immunity in electromagnetically charged environments – double shielding (SF/UTP) improves the 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.
• Ensure reliable 2.5 Gigabit connections – gold-plated contact surfaces reduce contact resistances and contact corrosion, which supports signal quality and thus stable 2.5 Gbps transmission.

Product Description
The SF/UTP Ethernet cable combines foil and braid shielding. It thus effectively protects against internal and external interference and ensures the highest signal quality even with dense cable routing. The temperature range of the cable is -20 – 60 °C. The wide range of possible applications is supported by the bending radius of >25 mm. The Ethernet cable is IP20 rated. The polyvinyl chloride (PVC) jacket is a flexible standard jacket for network applications, without special fire protection properties.

Technical details

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

EFB-Elektronik GmbH
Striegauer Straße 1
33719 Bielefeld

fon: +49 521 40 41 8-0
fax: +49 521 40 41 8-50

info@efb-elektronik.de
www.efb-elektronik.de

WIR SORGEN FÜR VERBINDUNG
WE CARE FOR CONNECTION

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- Cat.5e
- Connector: RJ45 8(8) to RJ45 8(8) with RJ45 connectors
- Shielding: SF/UTP cable with 4x2 x AWG26/7
- Cable shape: round
- Pin assignment: 1:1 according to TIA/EIA 568B
- Gold-plated contacts
- Sheath: Polyvinyl chloride (PVC) sheath material
- Outer diameter: 5.7 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: ≥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 | 100MHz |
| Bending radius | >25 mm |
| Cable construction | 4x2 |
| Cable shape | rund |
| Cable type | SF/UTP |
| Cabling standard | EN50173 |
| Category | 5e |
| Colour anti-kink sleeve | grey |
| Colour outer sheath | grey |
| Conductive shield | Selected shield contact |
| Conductor Material | CCA |
| Conductor resistance DC | 146 Ω/km |
| Connector | IEC 60603-7-3 |
| Connector type | RJ45 standard |
| Contact Resistance | 30 mΩ |
| Contacts | Gold plated |
| Current capacity | max. 1 A |
| Fire retardant version | acc. IEC60332-1 |
| Halogen free | False |

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| | |
|---|---|
| Harmonised Standard | EN 50575 |
| Impedance | 100 |
| Insulation Resistance | 10 MΩ |
| Length imprint | True |
| Locking lever | True |
| Loop resistance | 292 Ω/km |
| Material outer sheath | Polyvinylchlorid (PVC) |
| 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 | 5.7 mm |
| Ozone resistance | No |
| Pin assignment | 1:1 |
| Printing | SF/UTP 300 CAT.5E 26AWG×4P PATCH ISO/IEC 11801 & EN 50173 VERIFIED ***2,5 GIGABIT*** www.efb-elektronik.de |
| Resistance unbalance | 5 % |
| 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 |
| Total screening | 65 % |
| Transmission | 2.5Gbit |
| 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 | POE class | Length tolerance |
|---|---|---|---|---|
| K5455.0,15 | RJ45 Patch Cord Cat.5e SF/UTP PVC CCA grey 0,15m | 0.15 m | No | ±5 % |
| K5455.0,25 | RJ45 Patch Cord Cat.5e SF/UTP PVC CCA grey 0,25m | 0.25 m | No | ±5 % |
| K5455.0,3 | RJ45 Patch Cord Cat.5e SF/UTP PVC CCA grey 0,3m | 0.3 m | No | ±5 % |
| K5455.0,5 | RJ45 Patch Cord Cat.5e SF/UTP PVC CCA grey 0,5m | 0.5 m | No | ±5 % |
| K5455.1 | RJ45 Patch Cord Cat.5e SF/UTP PVC CCA grey 1m | 1.0 m | No | ±5 % |
| K5455.1,5 | RJ45 Patch Cord Cat.5e SF/UTP PVC CCA grey 1,5m | 1.5 m | No | ±5 % |

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| | | | | |
|---|---|---|---|---|
| K5455.10 | RJ45 Patch Cord Cat.5e SF/UTP PVC CCA grey 10m | 10.0 m | No | ±5 % |
| K5455.15 | RJ45 Patch Cord Cat.5e SF/UTP PVC CCA grey 15m | 15.0 m | No | ±5 % |
| K5455.2 | RJ45 Patch Cord Cat.5e SF/UTP PVC CCA grey 2m | 2.0 m | No | ±5 % |
| K5455.20 | RJ45 Patch Cord Cat.5e SF/UTP PVC CCA grey 20m | 20.0 m | No | ±5 % |
| K5455.25 | RJ45 Patch Cord Cat.5e SF/UTP PVC CCA grey 25m | 25.0 m | No | ±5 % |
| K5455.3 | RJ45 Patch Cord Cat.5e SF/UTP PVC CCA grey 3m | 3.0 m | No | ±5 % |
| K5455.30 | RJ45 Patch Cord Cat.5e SF/UTP PVC CCA grey 30m | 30.0 m | No | ±5 % |
| K5455.5 | RJ45 Patch Cord Cat.5e SF/UTP PVC CCA grey 5m | 5.0 m | No | ±5 % |
| K5455.7,5 | RJ45 Patch Cord Cat.5e SF/UTP PVC CCA grey 7,5m | 7.5 m | No | ±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.



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