# DATASHEET

## RJ45 Patch Cord Cat.5e S/UTP PVCDätwyler 5502 TM11 grey 25m




### General data

This Cat.5e network cable from EFB-Elektronik supports 2.5Gbit. The S/UTP shielding reliably protects against interference and ensures good signal quality. Since it is a Cat.5e patch cable, it offers a frequency range of up to 100MHz.

• 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).
• 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/UTP LAN cable offers reliable performance under typical EMC loads. The braided shield reduces electromagnetic radiation, increases operational reliability and ensures stable data connections in the standard network. The temperature range of the cable is -20 – 60 °C. The wide range of possible applications is supported by the bending radius of >20 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.

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

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Technical details
- Cat.5e
- Connector: RJ45 8(8) to RJ45 8(8) with TM11 connectors
- Shielding: S/UTP cable with 4x2 x AWG26/7
- Cable shape: round
- Pin assignment: 1:1 according to TIA/EIA 568B
- Corresponds to PoE class: PoE according to IEEE802.3af and PoE+ according to IEEE802.3at
- Gold-plated contacts
- Sheath: Polyvinyl chloride (PVC) sheath material
- Outer diameter: 5.1 mm
- With an attached anti-kink grommet
- Fire protection: flame-retardant according to IEC60332-1
- Degree of protection: IP20
- With a 360° umbrella attachment
- Mating cycles: ≥750
- Brand: EFB-Elektronik

| **Technical properties** | |
|---|---|
| AWG-size | 26/7 |
| Allocation | acc. TIA/EIA 568B |
| Anti-kink sleeve | put-on |
| Area of Application | Industrial Ethernet |
| Bandwidth | 100MHz |
| Bending radius | >20 mm |
| Cable construction | 4x2 |
| Cable shape | rund |
| Cable type | S/UTP |
| Cable type acc. to Manufacturer | Dätwyler CU 5502 flex |
| Cabling standard | EN50173 |
| Category | 5e |
| Colour anti-kink sleeve | grey |
| Colour outer sheath | grey |
| Conductive shield | 360° shield contact |
| Conductor Material | Copper |
| Conductor resistance DC | 113 Ω/km |
| Connector | IEC 60603-7-3 |
| Connector type | TM11 |
| Contacts | Gold plated |
| Current capacity | max. 1 A |

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| | |
|---|---|
| Fire retardant version | acc. IEC60332-1 |
| Halogen free | False |
| Harmonised Standard | EN 50575 |
| Impedance | 100 ±15 Ω |
| Length imprint | False |
| Locking lever | False |
| Loop resistance | 225 Ω/km |
| Material outer sheath | Polyvinylchlorid (PVC) |
| Mating cycles | ≥750 |
| Model | shielded |
| NVP value | 76 % |
| Oil resistant | no |
| Operating Temperature | -20 – 60 °C |
| Operating-/ tempering voltage | max. 50 V DC |
| Outer diameter of the cable | 5.1 mm |
| Ozone resistance | No |
| Pin assignment | 1:1 |
| Resistant to chemicals | False |
| Suitable for degree of protection (IP) | IP20 |
| Test voltage | 1000 (V DC, 1min) core/core und core/screen |
| 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 |
|---|---|---|---|---|
| K8701.0,15 | RJ45 Patch Cord Cat.5e S/UTP PVCDätwyler 5502 TM11 grey 0,15m | 0.15 m | PoE acc. to IEEE802.3af;PoE+ acc. to IEEE802.3at | ±5 % |
| K8701.0,50 | RJ45 Patch Cord Cat.5e S/UTP PVCDätwyler 5502 TM11 grey 0,5m | 0.5 m | PoE acc. to IEEE802.3af;PoE+ acc. to IEEE802.3at | ±5 % |
| K8701.025 | RJ45 Patch Cord Cat.5e S/UTP PVCDätwyler 5502 TM11 grey 0,25m | 0.25 m | PoE acc. to IEEE802.3af;PoE+ acc. to IEEE802.3at | ±5 % |
| K8701.1 | RJ45 Patch Cord Cat.5e S/UTP PVCDätwyler 5502 TM11 grey 1m | 1.0 m | PoE acc. to IEEE802.3af;PoE+ acc. to IEEE802.3at | ±5 % |

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| | | | | |
|---|---|---|---|---|
| K8701.1,5 | RJ45 Patch Cord Cat.5e S/UTP PVCDätwyler 5502 TM11 grey 1,5m | 1.5 m | PoE acc. to IEEE802.3af;PoE+ acc. to IEEE802.3at | ±5 % |
| K8701.10 | RJ45 Patch Cord Cat.5e S/UTP PVCDätwyler 5502 TM11 grey 10m | 10.0 m | PoE acc. to IEEE802.3af;PoE+ acc. to IEEE802.3at | ±5 % |
| K8701.15 | RJ45 Patch Cord Cat.5e S/UTP PVCDätwyler 5502 TM11 grey 15m | 15.0 m | PoE acc. to IEEE802.3af;PoE+ acc. to IEEE802.3at | ±5 % |
| K8701.2 | RJ45 Patch Cord Cat.5e S/UTP PVCDätwyler 5502 TM11 grey 2m | 2.0 m | PoE acc. to IEEE802.3af;PoE+ acc. to IEEE802.3at | ±5 % |
| K8701.20 | RJ45 Patch Cord Cat.5e S/UTP PVCDätwyler 5502 TM11 grey 20m | 20.0 m | PoE acc. to IEEE802.3af;PoE+ acc. to IEEE802.3at | ±5 % |
| K8701.25 | RJ45 Patch Cord Cat.5e S/UTP PVCDätwyler 5502 TM11 grey 25m | 25.0 m | PoE acc. to IEEE802.3af;PoE+ acc. to IEEE802.3at | ±5 % |
| K8701.3 | RJ45 Patch Cord Cat.5e S/UTP PVCDätwyler 5502 TM11 grey 3m | 3.0 m | PoE acc. to IEEE802.3af;PoE+ acc. to IEEE802.3at;4PPoE acc. to IEEE802.3bt | ±5 % |
| K8701.30 | RJ45 Patch Cord Cat.5e S/UTP PVCDätwyler 5502 TM11 grey 30m | 30.0 m | PoE acc. to IEEE802.3af;PoE+ acc. to IEEE802.3at | ±5 % |
| K8701.40 | RJ45 Patch Cord Cat.5e S/UTP PVCDätwyler 5502 TM11 grey 40m | 40.0 m | PoE acc. to IEEE802.3af | ±5 % |
| K8701.5 | RJ45 Patch Cord Cat.5e S/UTP PVCDätwyler 5502 TM11 grey 5m | 5.0 m | PoE acc. to IEEE802.3af;PoE+ acc. to IEEE802.3at;4PPoE acc. to IEEE802.3bt | ±5 % |
| K8701.50 | RJ45 Patch Cord Cat.5e S/UTP PVCDätwyler 5502 TM11 grey 50m | 50.0 m | No | ±5 % |
| K8701.7,5 | RJ45 Patch Cord Cat.5e S/UTP PVCDätwyler 5502 TM11 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.



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