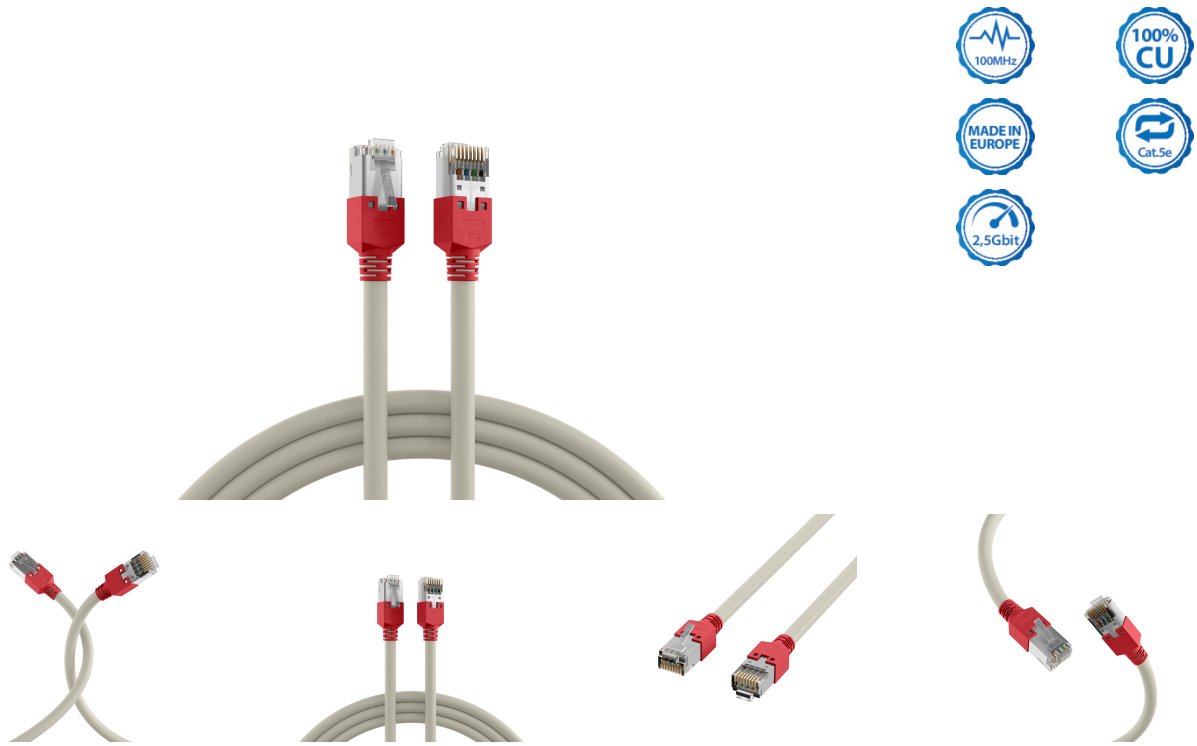
# DATASHEET

## RJ45 Patch Cord Cat.5e F/UTP LSZHDraka UC300 TM11 red crossed grey 20m




### General data

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

• Connect network devices directly without additional components – enables point-to-point connection of compatible devices (crossover), e.g. for quick commissioning, service cases or temporary routes without a switch.
• 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.
• Increased safety in the event of a fire according to IEC60754-2 – halogen-free materials reduce corrosive fire gases, which means that people, technology and building structures are better protected.

Product Description
The foil shield of this F/UTP data cable minimizes external interference, improves transmission stability and supports consistent network performance. 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 LAN cable is IP20 rated. The LSZH jacket is halogen-free and low-smoke. In the event of a fire, it minimizes smoke development and increases indoor safety.

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WE CARE FOR CONNECTION

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Technical details
- Cat.5e
- Connector: RJ45 8(8) to RJ45 8(8) with TM11 connectors
- Shielding: F/UTP cable with 4x2 x AWG26/7
- Cable shape: round
- Pinout: crossed according to typical crossover assignment (1-3, 2-6, 3-1, 4-7, 5-8, 6-2, 7-4, 8-5)
- Equivalent to PoE class: PoE to IEEE802.3af, PoE+ to IEEE802.3at, and 4PPoE to IEEE802.3bt
- Gold-plated contacts
- Sheath: LSZH sheath material
- Outer diameter: 5.4 mm
- With an attached anti-kink grommet
- Fire protection: flame-retardant according to IEC60332-1, halogen-free according to IEC60754-2
- Degree of protection: IP20
- With a punctual screen contact
- 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 | >25 mm |
| Cable construction | 4x2 |
| Cable shape | rund |
| Cable type | F/UTP |
| Cable type acc. to Manufacturer | Draka UC300 S26 |
| Cabling standard | EN50173 |
| Category | 5e |
| Colour anti-kink sleeve | red |
| Colour outer sheath | grey |
| Conductive shield | Selected shield contact |
| Conductor Material | Copper |
| Connector | IEC 60603-7-3 |
| Connector type | TM11 |
| Contacts | Gold plated |
| Current capacity | max. 1 A |
| Fire retardant version | acc. IEC60332-1 |

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| | |
|---|---|
| Halogen free | acc. IEC60754-2 |
| Harmonised Standard | EN 50575 |
| Impedance | 100 |
| Length imprint | False |
| Locking lever | False |
| Material outer sheath | 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 | 5.4 mm |
| Ozone resistance | No |
| Pin assignment | crossed |
| 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 |
|---|---|---|---|---|
| K8449.0,50 | RJ45 Patch Cord Cat.5e F/UTP LSZHDraka UC300 TM11 red crossed grey 0,5m | 0.5 m | PoE acc. to IEEE802.3af;PoE+ acc. to IEEE802.3at;4PPoE acc. to IEEE802.3bt | ±5 % |
| K8449.1 | RJ45 Patch Cord Cat.5e F/UTP LSZHDraka UC300 TM11 red crossed grey 1m | 1.0 m | PoE acc. to IEEE802.3af;PoE+ acc. to IEEE802.3at;4PPoE acc. to IEEE802.3bt | ±5 % |
| K8449.10 | RJ45 Patch Cord Cat.5e F/UTP LSZHDraka UC300 TM11 red crossed grey 10m | 10.0 m | PoE acc. to IEEE802.3af;PoE+ acc. to IEEE802.3at;4PPoE acc. to IEEE802.3bt | ±5 % |
| K8449.15 | RJ45 Patch Cord Cat.5e F/UTP LSZHDraka UC300 TM11 red crossed grey 15m | 15.0 m | PoE acc. to IEEE802.3af;PoE+ acc. to IEEE802.3at;4PPoE acc. to IEEE802.3bt | ±5 % |

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# RJ45 Patch Cord Cat.5e F/UTP LSZHDraka UC300 TM11 red crossed grey 20m

| | | | | |
|---|---|---|---|---|
| K8449.2 | RJ45 Patch Cord Cat.5e F/UTP LSZHDraka UC300 TM11 red crossed grey 2m | 2.0 m | PoE acc. to IEEE802.3af;PoE+ acc. to IEEE802.3at;4PPoE acc. to IEEE802.3bt | ±5 % |
| K8449.20 | RJ45 Patch Cord Cat.5e F/UTP LSZHDraka UC300 TM11 red crossed grey 20m | 20.0 m | PoE acc. to IEEE802.3af;PoE+ acc. to IEEE802.3at;4PPoE acc. to IEEE802.3bt | ±5 % |
| K8449.3 | RJ45 Patch Cord Cat.5e F/UTP LSZHDraka UC300 TM11 red crossed grey 3m | 3.0 m | PoE acc. to IEEE802.3af;PoE+ acc. to IEEE802.3at;4PPoE acc. to IEEE802.3bt | ±5 % |
| K8449.5 | RJ45 Patch Cord Cat.5e F/UTP LSZHDraka UC300 TM11 red crossed grey 5m | 5.0 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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