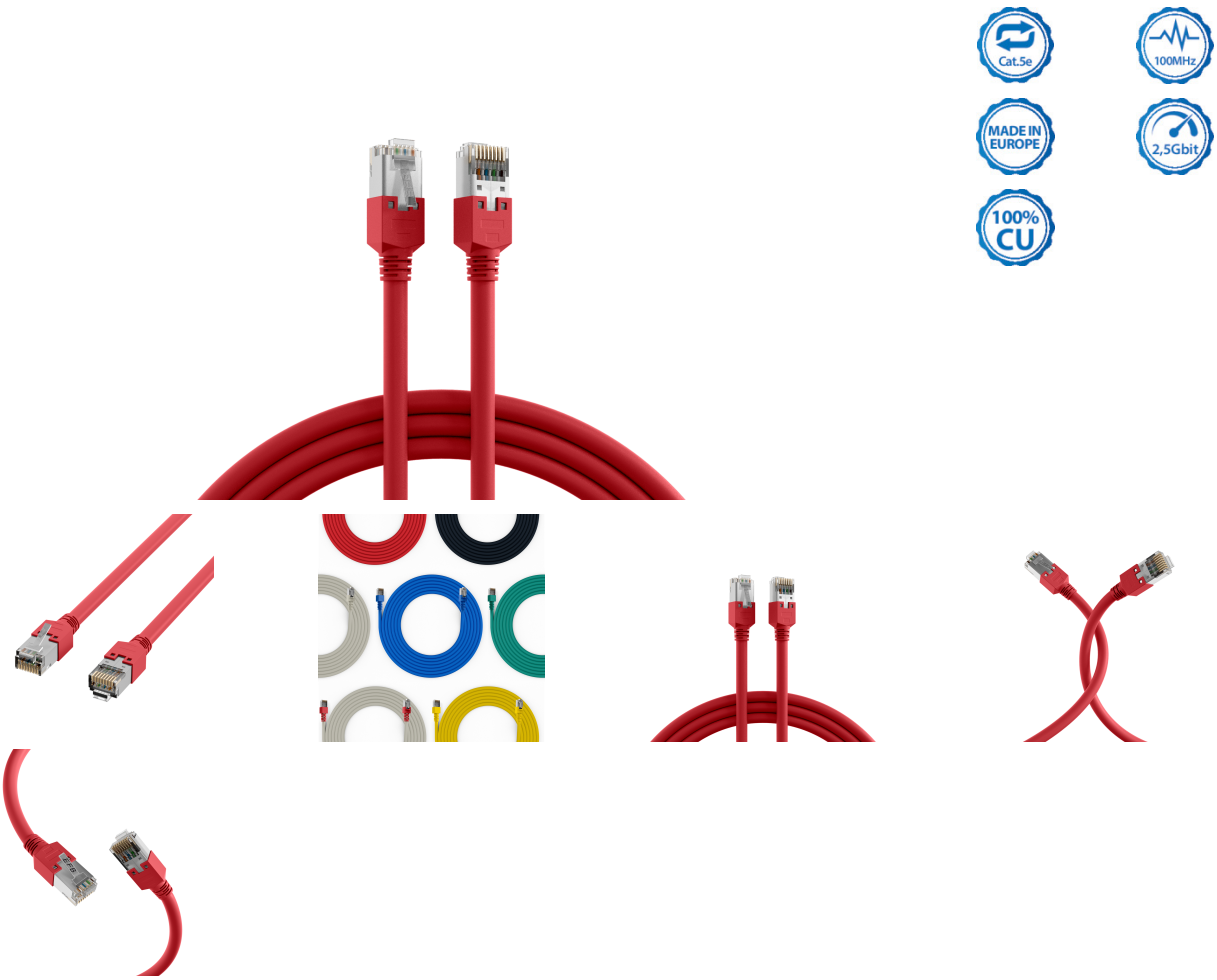
# DATASHEET

## RJ45 Patch Cord Cat.5e SF/UTP LSZH Draka UC300 TM11 red 30m




### General data

This Cat.5e LAN cable from EFB-Elektronik supports 2.5Gbit. The SF/UTP shielding reliably protects against interference and ensures good signal quality. Because it is a Cat.5e patch 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.
• Power and connect devices via a cable – reduces cabling effort because data and power are transmitted via 4PPoE to IEEE802.3bt on a single line. 4PPoE according to IEEE802.3bt can only be used up to certain cable lengths.

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

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## RJ45 Patch Cord Cat.5e SF/UTP LSZH Draka UC300 TM11 red 30m

Product Description
The SF/UTP patch cord 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 network 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.

Technical details
• Cat.5e
• Connector: RJ45 8(8) to RJ45 8(8) with TM11 connectors
• Shielding: SF/UTP 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: LSZH sheath material
• Outer diameter: 5.7 mm
• With an attached 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 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 | SF/UTP |
| Cable type acc. to Manufacturer | Draka UC300 HS26 |
| Cabling standard | EN50173 |
| Category | 5e |
| Colour anti-kink sleeve | red |
| Colour outer sheath | red |
| Conductive shield | Selected shield contact |

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## RJ45 Patch Cord Cat.5e SF/UTP LSZH Draka UC300 TM11 red 30m

| | |
|---|---|
| Conductor Material | Copper |
| Conductor resistance DC | 130 Ω/km |
| Connector | IEC 60603-7-3 |
| Connector type | TM11 |
| 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 ±15 Ω |
| Insulation Resistance | > 2000 MΩ |
| Length imprint | False |
| Locking lever | False |
| Loop resistance | < 260 Ω/km |
| Low smoke | acc. IEC61034 |
| Material outer sheath | LSZH |
| Mating cycles | ≥750 |
| Model | shielded |
| NVP value | 67 % |
| 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 |
| Resistance unbalance | 3 % |
| 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 |

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## RJ45 Patch Cord Cat.5e SF/UTP LSZH Draka UC300 TM11 red 30m

**Available variants**

| ArtNr. | Bezeichnung | Length | POE class | Length tolerance |
|---|---|---|---|---|
| K8012.0,50 | RJ45 Patch Cord Cat.5e SF/UTP LSZH Draka UC300 TM11 red 0,5m | 0.5 m | PoE acc. to IEEE802.3af;PoE+ acc. to IEEE802.3at;4PPoE acc. to IEEE802.3bt | ±5 % |
| K8012.1 | RJ45 Patch Cord Cat.5e SF/UTP LSZH Draka UC300 TM11 red 1m | 1.0 m | PoE acc. to IEEE802.3af;PoE+ acc. to IEEE802.3at;4PPoE acc. to IEEE802.3bt | ±5 % |
| K8012.1,5 | RJ45 Patch Cord Cat.5e SF/UTP LSZH Draka UC300 TM11 red 1,5m | 1.5 m | PoE acc. to IEEE802.3af;PoE+ acc. to IEEE802.3at;4PPoE acc. to IEEE802.3bt | ±5 % |
| K8012.10 | RJ45 Patch Cord Cat.5e SF/UTP LSZH Draka UC300 TM11 red 10m | 10.0 m | PoE acc. to IEEE802.3af;PoE+ acc. to IEEE802.3at;4PPoE acc. to IEEE802.3bt | ±5 % |
| K8012.15 | RJ45 Patch Cord Cat.5e SF/UTP LSZH Draka UC300 TM11 red 15m | 15.0 m | PoE acc. to IEEE802.3af;PoE+ acc. to IEEE802.3at;4PPoE acc. to IEEE802.3bt | ±5 % |
| K8012.2 | RJ45 Patch Cord Cat.5e SF/UTP LSZH Draka UC300 TM11 red 2m | 2.0 m | PoE acc. to IEEE802.3af;PoE+ acc. to IEEE802.3at;4PPoE acc. to IEEE802.3bt | ±5 % |
| K8012.20 | RJ45 Patch Cord Cat.5e SF/UTP LSZH Draka UC300 TM11 red 20m | 20.0 m | PoE acc. to IEEE802.3af;PoE+ acc. to IEEE802.3at;4PPoE acc. to IEEE802.3bt | ±5 % |
| K8012.25 | RJ45 Patch Cord Cat.5e SF/UTP LSZH Draka UC300 TM11 red 25m | 25.0 m | PoE acc. to IEEE802.3af;PoE+ acc. to IEEE802.3at | ±5 % |
| K8012.3 | RJ45 Patch Cord Cat.5e SF/UTP LSZH Draka UC300 TM11 red 3m | 3.0 m | PoE acc. to IEEE802.3af;PoE+ acc. to IEEE802.3at;4PPoE acc. to IEEE802.3bt | ±5 % |
| K8012.30 | RJ45 Patch Cord Cat.5e SF/UTP LSZH Draka UC300 TM11 red 30m | 30.0 m | PoE acc. to IEEE802.3af;PoE+ acc. to IEEE802.3at | ±5 % |
| K8012.40 | RJ45 Patch Cord Cat.5e SF/UTP LSZH Draka UC300 TM11 red 40m | 40.0 m | PoE acc. to IEEE802.3af | ±5 % |
| K8012.5 | RJ45 Patch Cord Cat.5e SF/UTP LSZH Draka UC300 TM11 red 5m | 5.0 m | PoE acc. to IEEE802.3af;PoE+ acc. to IEEE802.3at;4PPoE acc. to IEEE802.3bt | ±5 % |
| K8012.7,5 | RJ45 Patch Cord Cat.5e SF/UTP LSZH Draka UC300 TM11 red 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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