# DATASHEET

## RJ45 Patch Cord Cat.6A S/FTP FRNC VC LED yellow 50m

### General data

RJ45 patch cable Cat.6A S/FTP FRNC VC LED

The Cat.6A (TIA) patch cable has gold-plated contacts and enables 10Gbit Ethernet as a transmission standard.

Technical product properties
• Cat.6A (TIA)
• S/FTP cable with AWG26/7
• Jacket material made of halogen-free LSZH
• Fire protection: flame-retardant, halogen-free, low smoke
• Plug connection: RJ45 to RJ45
• With locking lever protection< br>• Has gold-plated contacts

The jacket of the shielded patch cable is made of halogen-free LSZH material and has a length imprint on the



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grommet. The cable also offers the option of power supply via PoE according to IEEE802.3af, PoE+ according to IEEE802.3at and 4PPoE according to IEEE802.3bt.

The RJ45 LED connector makes it easy to track the cable route. The assignment is according to TIA/EIA 568B and is 1:1.

The LAN cable has a conductor material made of copper and is ideal for applications in structured building cabling, industrial Ethernet and in data centers. The bandwidth is up to 500 MHz.

| **Technical properties** | |
|---|---|
| AWG-size | 26/7 |
| Allocation | acc. TIA/EIA 568B |
| Anti-kink sleeve | put-on |
| Area of application | Data center |
| Bending radius | >20 mm |
| Cable construction | 4x2 |
| Cable shape | rund |
| Cable type | S/FTP |
| Cabling standard | ANSI/TIA-568 |
| Category | 6A (TIA) |
| Colour anti-kink sleeve | white |
| Colour outer sheath | yellow |
| Conductive shield | 360° shield contact |
| Conductor Material | Copper |
| Conductor resistance DC | 165 Ω/km |
| Connector | IEC 60603-7-51 |
| Connector type | RJ45 LED |
| Contacts | Gold plated |
| Current capacity | max. 1 A |
| Fire retardant version | acc. IEC60332-3 |
| Halogen free | acc. IEC60754-2 |
| Harmonised Standard | EN 50575 |
| Impedance | 100 ±15 Ω |
| Insulation Resistance | > 5000 MΩ |
| Jacket material | LSZH |
| Length imprint | True |
| Locking lever | True |
| Loop resistance | 330 Ω/km |
| Low smoke | acc. IEC61034 |



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| | |
|---|---|
| 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 | 6.2 mm |
| Ozone resistance | No |
| Pin assignment | 1:1 |
| Printing | LED VC45 Patchkabel Cat.6A ISO S/FTP 4x2xAWG27 |
| Resistant to chemicals | False |
| Suitable for degree of protection (IP) | IP20 |
| Tape width | 500MHz |
| Temperature Range (Installation) | 0 – 50 °C |
| Temperature Range (Operation) | -25 – 60 °C |
| Test voltage | 1000 (V DC, 1min) core/core und core/screen |
| Total screening | >65 % |
| Transmission | 10Gbit |
| Type of connector connection 1 | RJ45 8(8) |
| Type of connector connection 2 | RJ45 8(8) |
| UL approbated | False |
| UV resistant | no |

**Available variants**

| ArtNr. | Bezeichnung | Length | POE class | Length tolerance |
|---|---|---|---|---|
| DCK1001GE.1 | RJ45 Patch Cord Cat.6A S/FTP FRNC VC LED yellow 1m | 1.0 m | PoE acc. to IEEE802.3af;PoE+ acc. to IEEE802.3at;4PPoE acc. to IEEE802.3bt | ±5 % |
| DCK1001GE.2 | RJ45 Patch Cord Cat.6A S/FTP FRNC VC LED yellow 2m | 2.0 m | PoE acc. to IEEE802.3af;PoE+ acc. to IEEE802.3at;4PPoE acc. to IEEE802.3bt | ±5 % |
| DCK1001GE.3 | RJ45 Patch Cord Cat.6A S/FTP FRNC VC LED yellow 3m | 3.0 m | PoE acc. to IEEE802.3af;PoE+ acc. to IEEE802.3at;4PPoE acc. to IEEE802.3bt | ±5 % |
| DCK1001GE.5 | RJ45 Patch Cord Cat.6A S/FTP FRNC VC LED yellow 5m | 5.0 m | PoE acc. to IEEE802.3af;PoE+ acc. to IEEE802.3at;4PPoE acc. to IEEE802.3bt | ±5 % |
| DCK1001GE.1,5 | RJ45 Patch Cord Cat.6A S/FTP FRNC VC LED yellow 1.5m | 1.5 m | PoE acc. to IEEE802.3af;PoE+ acc. to IEEE802.3at;4PPoE acc. to IEEE802.3bt | ±5 % |
| DCK1001GE.10 | RJ45 Patch Cord Cat.6A S/FTP FRNC VC LED yellow 10m | 10.0 m | PoE acc. to IEEE802.3af;PoE+ acc. to IEEE802.3at;4PPoE acc. to IEEE802.3bt | ±5 % |
| DCK1001GE.30 | RJ45 Patch Cord Cat.6A S/FTP FRNC VC LED yellow 30m | 30.0 m | PoE acc. to IEEE802.3af;PoE+ acc. to IEEE802.3at;4PPoE acc. to IEEE802.3bt | ±5 % |

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| | | | | |
|---|---|---|---|---|
| DCK1001GE.50 | RJ45 Patch Cord Cat.6A S/FTP FRNC VC LED yellow 50m | 50.0 m | PoE acc. to IEEE802.3af;PoE+ acc. to IEEE802.3at;4PPoE acc. to IEEE802.3bt | ±5 % |
| DCK1001GE.7,5 | RJ45 Patch Cord Cat.6A S/FTP FRNC VC LED yellow 7.5m | 7.5 m | PoE acc. to IEEE802.3af;PoE+ acc. to IEEE802.3at;4PPoE acc. to IEEE802.3bt | ±5 % |

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