

# DATASHEET

## RJ45 Patch Cord Cat.6A S/FTP FRNC VC LED yellow 20m



### 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
- 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         |
| Bandwidth               | 500MHz              |
| Bending radius          | >20 mm              |
| Cable construction      | 4x2                 |
| 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     |
| Impedance               | 100 ±15 Ω           |
| Insulation Resistance   | > 5000 MΩ           |
| Length imprint          | True                |
| Locking lever           | True                |
| Loop resistance         | 330 Ω/km            |
| Low smoke               | acc. IEC61034       |
| Material outer sheath   | LSZH                |
| Mating cycles           | ≥750                |

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|                                        |                                             |
|----------------------------------------|---------------------------------------------|
| Model                                  | shielded                                    |
| NVP value                              | 0 %                                         |
| Oil resistant                          | no                                          |
| Operating-/ tempering voltage          | max. 50 V DC                                |
| Outer diameter of the cable            | 6.2 mm                                      |
| Ozone resistance                       | No                                          |
| Pin assignment                         | 1:1                                         |
| Resistant to chemicals                 | False                                       |
| Suitable for degree of protection (IP) | IP20                                        |
| 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)                                   |

### Available variants

| ArtNr.        | Bezeichnung                                          | Length POE class |                                                                            | Length tolerance |
|---------------|------------------------------------------------------|------------------|----------------------------------------------------------------------------|------------------|
| DCK1001GE.0,5 | RJ45 Patch Cord Cat.6A S/FTP FRNC VC LED yellow 0,5m | 0.5 m            | PoE acc. to IEEE802.3af;PoE+ acc. to IEEE802.3at;4PPoE acc. to IEEE802.3bt | ± 5 %            |
| DCK1001GE.15  | RJ45 Patch Cord Cat.6A S/FTP FRNC VC LED yellow 15m  | 15.0 m           | PoE acc. to IEEE802.3af;PoE+ acc. to IEEE802.3at;4PPoE acc. to IEEE802.3bt | ± 5 %            |
| DCK1001GE.20  | RJ45 Patch Cord Cat.6A S/FTP FRNC VC LED yellow 20m  | 20.0 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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