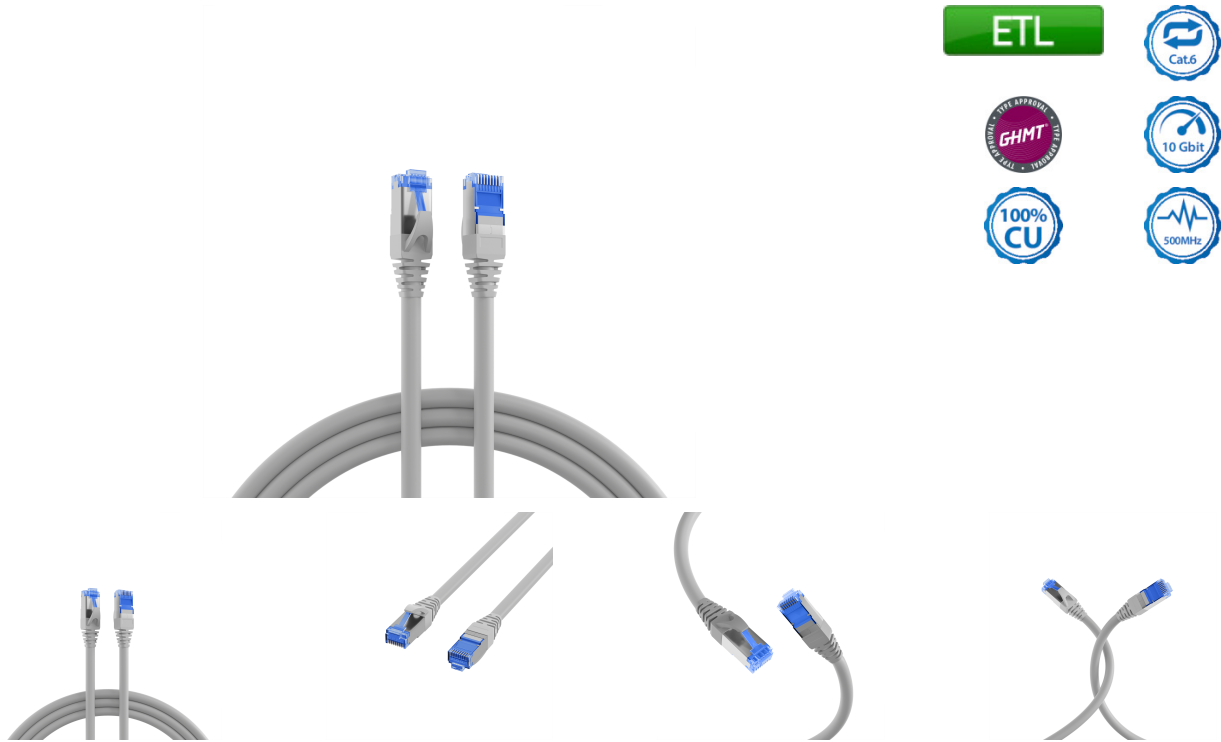


# DATASHEET

INFRALAN® RJ45 patch cord S/FTP, Cat.6A, TPE superflex, 1m, grey



## General data

The S/FTP shielding reliably protects against interference and ensures good signal quality. Because it is a Cat.6A (TIA) network cable, it supports a frequency range of up to 500MHz, which provides high data transmission performance.

- Increase interference immunity in electromagnetically charged environments – double shielding (S/FTP) improves 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.
- Increased safety in the event of a fire – low smoke generation after IEC61034 helps to keep escape routes as low in smoke as possible in the event of a fire, and the halogen-free materials according to IEC60754-2 reduce the development of corrosive fire gases.

## Product Description

The S/FTP patch cable has a double shield that effectively minimizes electromagnetic interference. It can be used in a temperature range of -20 – 60 °C. The patch cable has an IP20 rating. 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

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# DATASHEET

## INFRALAN® RJ45 patch cord S/FTP, Cat.6A, TPE superflex, 1m, grey

- Cat.6A (TIA)
- Connector: RJ45 8(8) to RJ45 8(8) with RJ45 connectors
- Shielding: S/FTP cable with 4x2 x AWG26
- Cable shape: round
- Pin assignment: 1:1 according to TIA/EIA 568B
- Gold-plated contacts
- Sheath: LSZH sheath material
- Outer diameter: 6.0 mm
- With an injected 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 360° umbrella attachment
- With locking lever protection
- Mating cycles: ≥750
- Brand: INFRALAN

| Technical properties    |                     |
|-------------------------|---------------------|
| AWG-size                | 26                  |
| Allocation              | acc. TIA/EIA 568B   |
| Anti-kink sleeve        | moulded-on          |
| Area of Application     | Industrial Ethernet |
| Bandwidth               | 500MHz              |
| Cable construction      | 4x2                 |
| Cable shape             | rund                |
| Cable type              | S/FTP               |
| Category                | 6A (TIA)            |
| Colour anti-kink sleeve | grey                |
| Colour outer sheath     | grey                |
| Conductive shield       | 360° shield contact |
| Conductor Material      | Copper              |
| Connector type          | RJ45 standard       |
| Contacts                | Gold plated         |
| Fire retardant version  | acc. IEC60332-1     |
| Halogen free            | acc. IEC60754-2     |
| Harmonised Standard     | EN 50575            |
| Locking lever           | True                |
| Low smoke               | acc. IEC61034       |
| Material outer sheath   | LSZH                |

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# DATASHEET

## INFRALAN® RJ45 patch cord S/FTP, Cat.6A, TPE superflex, 1m, grey

|                                        |                                                                                                     |
|----------------------------------------|-----------------------------------------------------------------------------------------------------|
| Mating cycles                          | ≥750                                                                                                |
| Model                                  | shielded                                                                                            |
| Oil resistant                          | no                                                                                                  |
| Operating Temperature                  | -20 – 60 °C                                                                                         |
| Outer diameter of the cable            | 6.0 mm                                                                                              |
| Ozone resistance                       | No                                                                                                  |
| Pin assignment                         | 1:1                                                                                                 |
| Printing                               | Cat.6A PREMIUM Patchcord U/UTP 4x2xAWG24/7<br>ISO/IEC11801 TIA/EIA-568-C.2 ***10Gigabit Ethernet*** |
| Resistant to chemicals                 | False                                                                                               |
| Suitable for degree of protection (IP) | IP20                                                                                                |
| Test voltage                           | 1000 (V DC, 1min) core/core und core/screen                                                         |
| 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 |
|----------------------|---------------------------------------------------------------------|--------|
| IPK-6A-U-TPE-GR-0025 | INFRALAN® RJ45 patch cord S/FTP, Cat.6A, TPE superflex, 0,25m, grey | 0.25 m |
| IPK-6A-U-TPE-GR-0050 | INFRALAN® RJ45 patch cord S/FTP, Cat.6A, TPE superflex, 0,50m, grey | 0.5 m  |
| IPK-6A-U-TPE-GR-0100 | INFRALAN® RJ45 patch cord S/FTP, Cat.6A, TPE superflex, 1m, grey    | 1.0 m  |
| IPK-6A-U-TPE-GR-0200 | INFRALAN® RJ45 patch cord S/FTP, Cat.6A, TPE superflex, 2m, grey    | 2.0 m  |
| IPK-6A-U-TPE-GR-0300 | INFRALAN® RJ45 patch cord S/FTP, Cat.6A, TPE superflex, 3m, grey    | 3.0 m  |
| IPK-6A-U-TPE-GR-0500 | INFRALAN® RJ45 patch cord S/FTP, Cat.6A, TPE superflex, 5m, grey    | 5.0 m  |
| IPK-6A-U-TPE-GR-0750 | INFRALAN® RJ45 patch cord S/FTP, Cat.6A, TPE superflex, 7,5m, grey  | 7.5 m  |
| IPK-6A-U-TPE-GR-1000 | INFRALAN® RJ45 patch cord S/FTP, Cat.6A, TPE superflex, 10m, grey   | 10.0 m |

### 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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