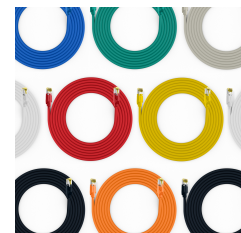
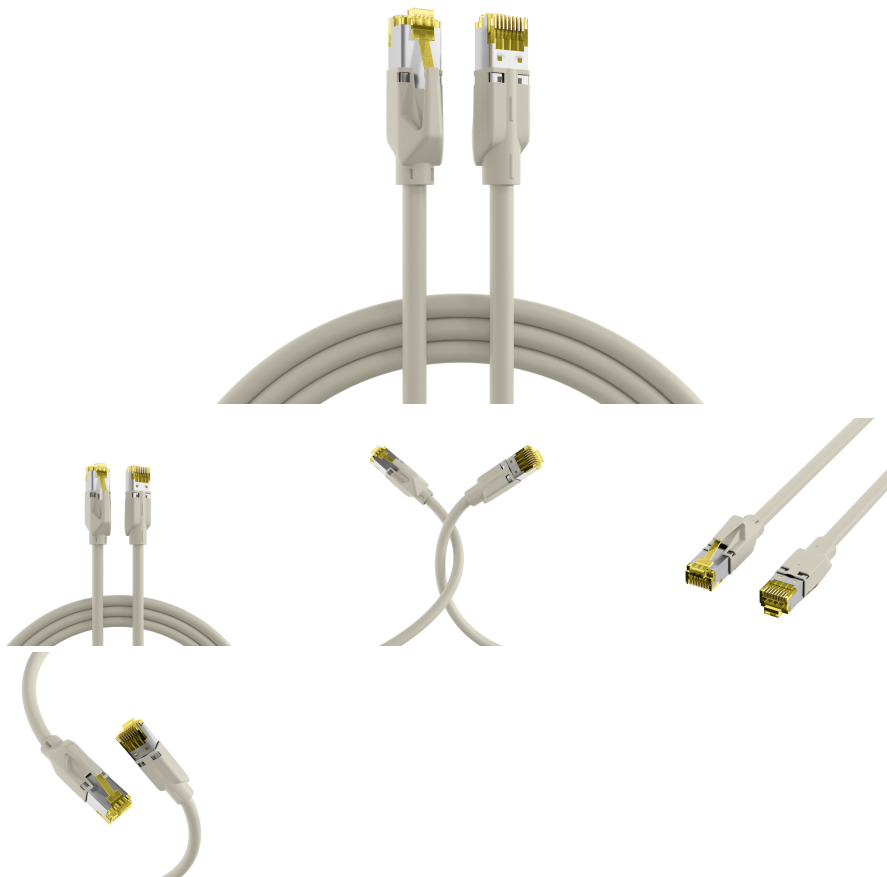


# DATASHEET



## General data

RJ45 patch cable Cat.6A S/FTP LSZH Datwyler 7702 TM31

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

### Technical product features

- 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

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# DATASHEET

The jacket of the shielded patch cable is made of halogen-free LSZH material. 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 assignment of the yellow TM31 plugs is 1:1 and follows TIA/EIA 568B.

The data cable has a conductor material made of copper and is ideal for use in structured building cabling, Industrial Ethernet and in data centers. The bandwidth is 500 MHz.

## Tekniske egenskaber

### Available variants

| ArtNr.       | Bezeichnung                                                    | Length POE class |                                                                            | Length tolerance |
|--------------|----------------------------------------------------------------|------------------|----------------------------------------------------------------------------|------------------|
| K8580GR.0,50 | RJ45 Patch Cord Cat.6A S/FTP LSZH Dätwyler 7702 TM31 grey 0,5m | 0.5 m            | PoE acc. to IEEE802.3af;PoE+ acc. to IEEE802.3at;4PPoE acc. to IEEE802.3bt | ±5 %             |
| K8580GR.1    | RJ45 Patch Cord Cat.6A S/FTP LSZH Dätwyler 7702 TM31 grey 1m   | 1.0 m            | PoE acc. to IEEE802.3af;PoE+ acc. to IEEE802.3at;4PPoE acc. to IEEE802.3bt | ±5 %             |
| K8580GR.1,5  | RJ45 Patch Cord Cat.6A S/FTP LSZH Dätwyler 7702 TM31 grey 1,5m | 1.5 m            | PoE acc. to IEEE802.3af;PoE+ acc. to IEEE802.3at;4PPoE acc. to IEEE802.3bt | ±5 %             |
| K8580GR.2    | RJ45 Patch Cord Cat.6A S/FTP LSZH Dätwyler 7702 TM31 grey 2m   | 2.0 m            | PoE acc. to IEEE802.3af;PoE+ acc. to IEEE802.3at;4PPoE acc. to IEEE802.3bt | ±5 %             |
| K8580GR.3    | RJ45 Patch Cord Cat.6A S/FTP LSZH Dätwyler 7702 TM31 grey 3m   | 3.0 m            | PoE acc. to IEEE802.3af;PoE+ acc. to IEEE802.3at;4PPoE acc. to IEEE802.3bt | ±5 %             |
| K8580GR.5    | RJ45 Patch Cord Cat.6A S/FTP LSZH Dätwyler 7702 TM31 grey 5m   | 5.0 m            | PoE acc. to IEEE802.3af;PoE+ acc. to IEEE802.3at;4PPoE acc. to IEEE802.3bt | ±5 %             |
| K8580GR.7,5  | RJ45 Patch Cord Cat.6A S/FTP LSZH Dätwyler 7702 TM31 grey 7,5m | 7.5 m            | PoE acc. to IEEE802.3af;PoE+ acc. to IEEE802.3at;4PPoE acc. to IEEE802.3bt | ±5 %             |
| K8580GR.10   | RJ45 Patch Cord Cat.6A S/FTP LSZH Dätwyler 7702 TM31 grey 10m  | 10.0 m           | PoE acc. to IEEE802.3af;PoE+ acc. to IEEE802.3at;4PPoE acc. to IEEE802.3bt | ±5 %             |
| K8580GR.15   | RJ45 Patch Cord Cat.6A S/FTP LSZH Dätwyler 7702 TM31 grey 15m  | 15.0 m           | PoE acc. to IEEE802.3af;PoE+ acc. to IEEE802.3at;4PPoE acc. to IEEE802.3bt | ±5 %             |
| K8580GR.20   | RJ45 Patch Cord Cat.6A S/FTP LSZH Dätwyler 7702 TM31 grey 20m  | 20.0 m           | PoE acc. to IEEE802.3af;PoE+ acc. to IEEE802.3at;4PPoE acc. to IEEE802.3bt | ±5 %             |
| K8580GR.25   | RJ45 Patch Cord Cat.6A S/FTP LSZH Dätwyler 7702 TM31 grey 25m  | 25.0 m           | PoE acc. to IEEE802.3af;PoE+ acc. to IEEE802.3at                           | ±5 %             |
| K8580GR.30   | RJ45 Patch Cord Cat.6A S/FTP LSZH Dätwyler 7702 TM31 grey 30m  | 30.0 m           | PoE acc. to IEEE802.3af;PoE+ acc. to IEEE802.3at                           | ±5 %             |
| K8580GR.0,25 |                                                                | 0.25 m           |                                                                            |                  |
| K8580GR.40   |                                                                | 40.0 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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