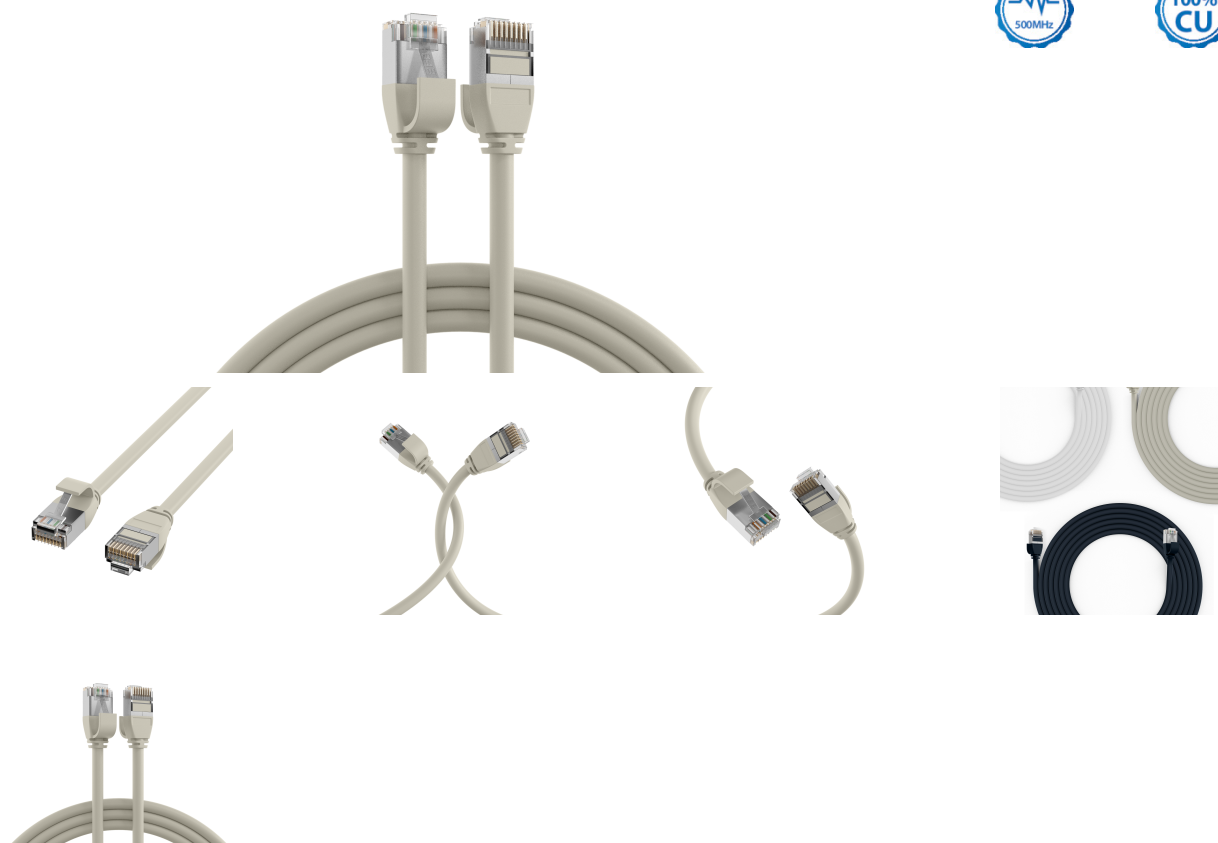


DATASHEET

RJ45 Patch Cord Cat.6A U/FTP TPE4mm ultraflex grey 0,15m



General data

This Cat.6A (TIA) patch cable from EFB-Elektronik supports data transmissions up to 10Gbit. U/FTP shielding reliably protects against interference and ensures high-quality signal. Since it is a Cat.6A (TIA) patch cable, it offers a frequency range of up to 500MHz, which provides high data transmission performance.

- Slim cable – the extra-thin cable construction with an outer diameter of 4.0 mm makes the Ethernet cable particularly suitable for areas with limited space or hard-to-reach areas.
- 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 end devices via one cable – reduces cabling effort because data and power are transmitted via PoE+ to IEEE802.3at on one line (fewer power adapters/sockets, faster installation).

This datasheet was created automatically on 09-09-2026 . Technical changes reserved.



DATASHEET

RJ45 Patch Cord Cat.6A U/FTP TPE4mm ultraflex grey 0,15m

Product Description

This LAN cable offers enhanced pair-level interference resistance (U/FTP) – individually foil-shielded wire pairs reduce crosstalk, increase data security, and ensure stable high-speed transmission. It can be used in a temperature range of -20 – 75 °C. The wide range of possible applications is supported by the bending radius of >16 mm. The Ethernet cable has an IP20 rating. The TPE/LSZH jacket is flexible, halogen-free and low-smoke, making it ideal for safe and professional patch and server cabinet installations.

Technical details

- Cat.6A (TIA)
- Connector: RJ45 8(8) to RJ45 8(8) with extra-short RJ45 connectors
- Shielding: U/FTP cable with 4x2 x AWG30/7
- Cable shape: slim
- Pin assignment: 1:1 according to TIA/EIA 568B
- Corresponds to PoE class: PoE according to IEEE802.3af and PoE+ according to IEEE802.3at
- Gold-plated contacts
- Sheath: TPE/LSZH sheath material
- Outer diameter: 4.0 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 punctual screen contact
- With locking lever protection
- Mating cycles: ≥750
- Brand: EFB-Elektronik

Technical properties

AWG-size	30/7
Allocation	acc. TIA/EIA 568B
Anti-kink sleeve	moulded-on
Area of Application	Industrial Ethernet
Bandwidth	500MHz
Bending radius	>16 mm
Cable construction	4x2
Cable shape	slim
Cable type	U/FTP
Cabling standard	EN50173
Category	6A (TIA)
Colour anti-kink sleeve	grey
Colour outer sheath	grey
Conductive shield	Selected shield contact

This datasheet was created automatically on 09-09-2026 . Technical changes reserved.



DATASHEET

RJ45 Patch Cord Cat.6A U/FTP TPE4mm ultraflex grey 0,15m

Conductor Material	Copper
Conductor resistance DC	376 Ω/km
Connector	IEC 60603-7-51
Connector type	RJ45 short version
Contact Resistance	< 20 mΩ
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	100 MΩ
Length imprint	False
Locking lever	True
Loop resistance	752 Ω/km
Low smoke	acc. IEC61034
Material outer sheath	TPE/LSZH
Mating cycles	≥750
Model	shielded
NVP value	76 %
Oil resistant	no
Operating Temperature	-20 - 75 °C
Operating-/ tempering voltage	max. 50 V DC
Outer diameter of the cable	4.0 mm
Ozone resistance	No
Pin assignment	1:1
Printing	Cat.6A U/FTP ULTRAFLEX PATCHCABLE TPE ***10GE*** www.efb-elektronik.de
Resistance unbalance	< 4 %
Resistant to chemicals	False
Silicone-free	True
Suitable for degree of protection (IP)	IP20
Test voltage	1000 (V DC, 1min) core/core und core/screen
Transmission	10Gbit
Type of connector connection 1	RJ45 8(8)
Type of connector connection 2	RJ45 8(8)

This datasheet was created automatically on 09-09-2026 . Technical changes reserved.



DATASHEET

RJ45 Patch Cord Cat.6A U/FTP TPE4mm ultraflex grey 0,15m

UL approbated	False
UV resistant	no

Available variants

ArtNr.	Bezeichnung	Length POE class		Length tolerance
K5547GR.0,15	RJ45 Patch Cord Cat.6A U/FTP TPE4mm ultraflex grey 0,15m	0.15 m	PoE acc. to IEEE802.3af;PoE acc. to IEEE802.3at	±5 %
K5547GR.0,25	RJ45 Patch Cord Cat.6A U/FTP TPE4mm ultraflex grey 0,25m	0.25 m	PoE acc. to IEEE802.3af;PoE acc. to IEEE802.3at	±5 %
K5547GR.0,5	RJ45 Patch Cord Cat.6A U/FTP TPE4mm ultraflex grey 0,5m	0.5 m	PoE acc. to IEEE802.3af;PoE acc. to IEEE802.3at	±5 %
K5547GR.1	RJ45 Patch Cord Cat.6A U/FTP TPE4mm ultraflex grey 1m	1.0 m	PoE acc. to IEEE802.3af;PoE acc. to IEEE802.3at	±5 %
K5547GR.1,5	RJ45 Patch Cord Cat.6A U/FTP TPE4mm ultraflex grey 1,5m	1.5 m	PoE acc. to IEEE802.3af	±5 %
K5547GR.2	RJ45 Patch Cord Cat.6A U/FTP TPE4mm ultraflex grey 2m	2.0 m	PoE acc. to IEEE802.3af	±5 %
K5547GR.3	RJ45 Patch Cord Cat.6A U/FTP TPE4mm ultraflex grey 3m	3.0 m	PoE acc. to IEEE802.3af	±5 %
K5547GR.5	RJ45 Patch Cord Cat.6A U/FTP TPE4mm ultraflex grey 5m	5.0 m	PoE acc. to IEEE802.3af	±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.

This datasheet was created automatically on 09-09-2026 . Technical changes reserved.

