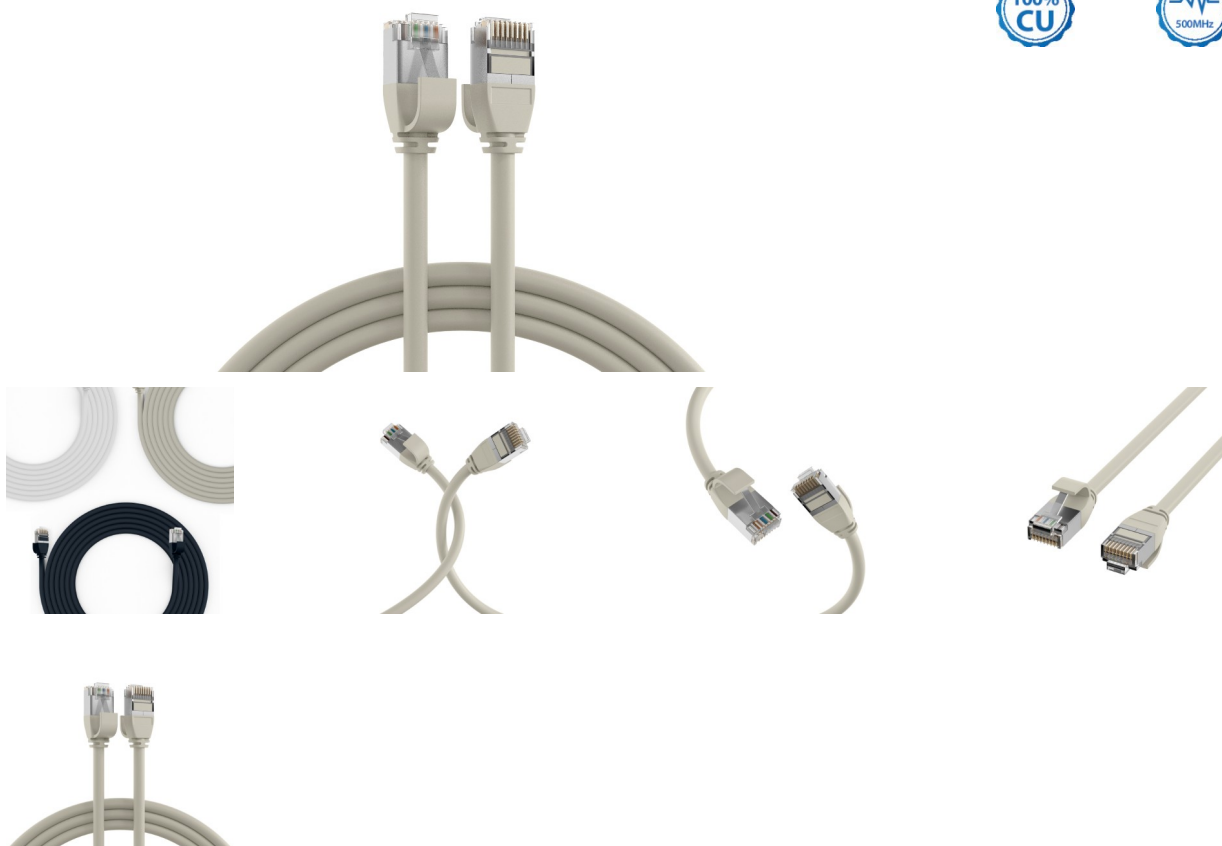


DATASHEET

RJ45 Patch Cord Cat.6A U/FTP TPE4mm ultraflex grey 1m



General data

RJ45 flat patch cable Cat.6A U/FTP PVC

The Cat.6A (TIA) patch cable has gold-plated contacts and meets the requirements for 10Gbit Ethernet.

Technical product features

- Cat.6A (TIA)
- U/FTP cable with AWG30/7
- Sheath material made of polyvinyl chloride (PVC)
- Plug connection: RJ45 to RJ45
- With locking lever protection
- Has gold-plated contacts

The sheath of the shielded patch cable is made of polyvinyl chloride (PVC) material. In addition, the cable offers the option of power supply via PoE+ according to IEEE802.3at and PoE according to IEEE802.3af.

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The assignment of the particularly short RJ45 plugs is 1:1 and follows TIA/EIA 568B . Suitable for the temperature range -20 - 55 °C.

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

Allgemeine Daten

Connector type	RJ45 short version
Suitable for degree of protection (IP)	IP20
AWG-size	30/7
Fire retardant version	True
Model	Shielded
Length imprint	False
Contacts	Gold plated
Current Rating	max. 1 A
Jacket Material	TPE/LSZH

General data

Pin assignment	1:1
Locking lever	True
Colour anti-kink sleeve	grey
Allocation	acc. TIA/EIA 568B
Cable type	U/FTP
Area of Application	Industrial Ethernet
Colour outer sheath	grey
Anti-kink sleeve	plugged in
Halogen free	True
Category	6A (TIA)

Mechanical characteristics

Conductive shield	Selected shield contact
Bending radius	>16 mm
Mating cycles	2000

Cable construction

Conductor Material	Copper
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DATASHEET

RJ45 Patch Cord Cat.6A U/FTP TPE4mm ultraflex grey 1m

Type of connector connection 2	RJ45 8(8)
Type of connector connection 1	RJ45 8(8)
Cable construction	4x2

Cable sheath

Low smoke	True
Oil resistant (according to EN 60811-404)	False
Silicone-free	True

Kabelmantel

Outer diameter of the cable	4.0 mm
Printing	Cat.6A Patchcord ULTRAFLEX U/FTP TPE 10G www.efb-elektronik.de

Environmental conditions

Temperature range	-20 – 75 °C
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Electrical characteristics

Loop resistance	752 Ω/km
Impedance	100 ±15 Ω
Conductor resistance DC	376 Ω/km
Resistance unbalance	< 4 %
POE class	PoE+ acc. to IEEE802.3at
NVP value	76 %
Insulation Resistance	100 MΩ

Elektrische Eigenschaften

Test voltage	1000 (V DC, 1min) core/core und core/screen
Contact Resistance	< 20 mΩ
Operating-/ tempering voltage	max. 50 V DC

Übertragungstechnische Eigenschaften

Bandwidth	500MHz
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Normen, Zulassungen, Zertifizierungen

Connector	IEC 60603-7-51
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DATASHEET

RJ45 Patch Cord Cat.6A U/FTP TPE4mm ultraflex grey 1m

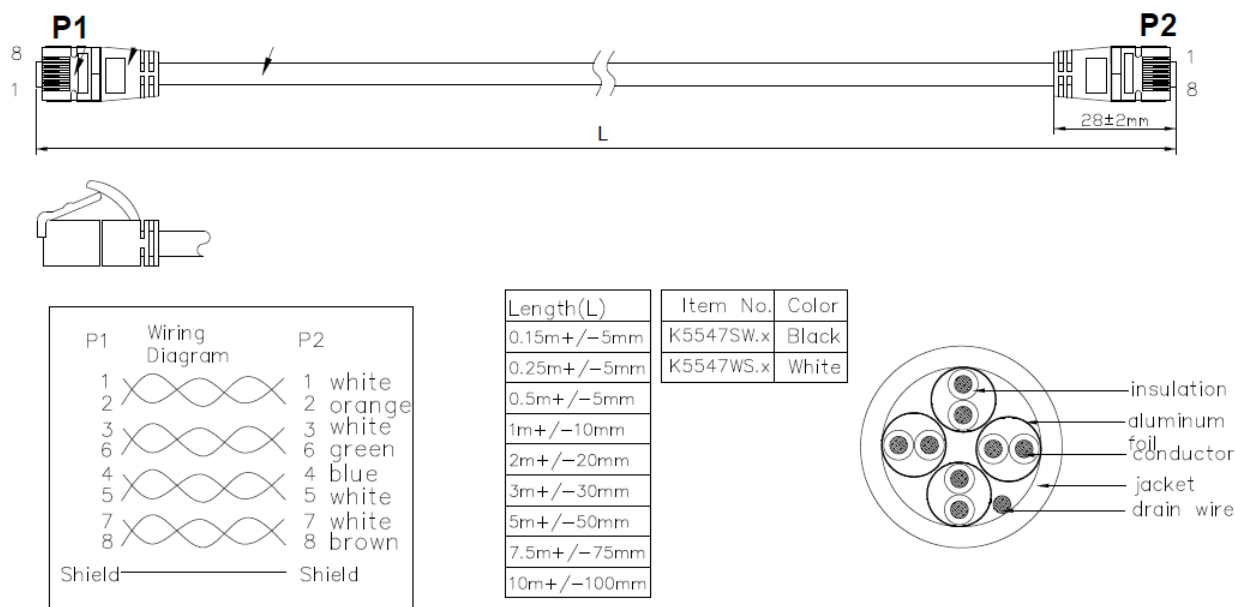
Standards, approvals, certifications

Cabling standard	EN50173
Oil resistant (acc. EN 60811-2-1)	False

Available variants

ArtNr.	Bezeichnung	Length Längentoleranz
K5547GR.0,15	RJ45 Patch Cord Cat.6A U/FTP TPE4mm ultraflex grey 0,15m	0.15 m $\pm 5\%$
K5547GR.0,25	RJ45 Patch Cord Cat.6A U/FTP TPE4mm ultraflex grey 0,25m	0.25 m $\pm 5\%$
K5547GR.0,5	RJ45 Patch Cord Cat.6A U/FTP TPE4mm ultraflex grey 0,5m	0.5 m $\pm 5\%$
K5547GR.1	RJ45 Patch Cord Cat.6A U/FTP TPE4mm ultraflex grey 1m	1.0 m $\pm 5\%$
K5547GR.1,5	RJ45 Patch Cord Cat.6A U/FTP TPE4mm ultraflex grey 1,5m	1.5 m $\pm 5\%$
K5547GR.2	RJ45 Patch Cord Cat.6A U/FTP TPE4mm ultraflex grey 2m	2.0 m $\pm 5\%$
K5547GR.3	RJ45 Patch Cord Cat.6A U/FTP TPE4mm ultraflex grey 3m	3.0 m $\pm 5\%$
K5547GR.5	RJ45 Patch Cord Cat.6A U/FTP TPE4mm ultraflex grey 5m	5.0 m $\pm 5\%$

Drawings



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