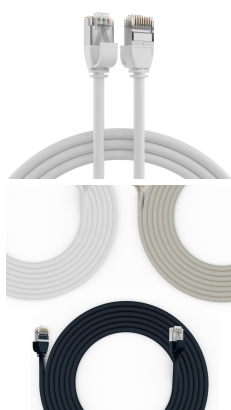


DATASHEET

RJ45 Patch Cord Cat.6A U/FTP TPE4mm ultraflex white 5m



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.

Technical properties	
AWG-size	30/7
Allocation	acc. TIA/EIA 568B
Anti-kink sleeve	moulded-on
Area of application	Structured cabling
Bending radius	>16 mm
Cable construction	4x2
Cable shape	slim
Cable type	U/FTP
Cabling standard	ANSI/TIA-568
Category	6A (TIA)
Colour anti-kink sleeve	white
Colour outer sheath	white
Conductive shield	Selected shield contact
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
Jacket material	TPE/LSZH
Length imprint	False
Locking lever	True
Loop resistance	752 Ω/km
Low smoke	acc. IEC61034
Mating cycles	≥750
Model	shielded

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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
Tape width	500MHz
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)
UL approbated	False
UV resistant	no

Available variants

ArtNr.	Bezeichnung	Length POE class		Length tolerance
K5547WS.0,15	RJ45 Patch Cord Cat.6A U/FTP TPE4mm ultraflex white 0,15m	0.15 m	PoE acc. to IEEE802.3af;PoE acc. to IEEE802.3at	±5 %
K5547WS.0,25	RJ45 Patch Cord Cat.6A U/FTP TPE4mm ultraflex white 0,25m	0.25 m	PoE acc. to IEEE802.3af;PoE acc. to IEEE802.3at	±5 %
K5547WS.0,5	RJ45 Patch Cord Cat.6A U/FTP TPE4mm ultraflex white 0,5m	0.5 m	PoE acc. to IEEE802.3af;PoE acc. to IEEE802.3at	±5 %
K5547WS.1	RJ45 Patch Cord Cat.6A U/FTP TPE4mm ultraflex white 1m	1.0 m	PoE acc. to IEEE802.3af;PoE acc. to IEEE802.3at	±5 %
K5547WS.1,5	RJ45 Patch Cord Cat.6A U/FTP TPE4mm ultraflex white 1,5m	1.5 m	PoE acc. to IEEE802.3af	±5 %
K5547WS.2	RJ45 Patch Cord Cat.6A U/FTP TPE4mm ultraflex white 2m	2.0 m	PoE acc. to IEEE802.3af	±5 %
K5547WS.3	RJ45 Patch Cord Cat.6A U/FTP TPE4mm ultraflex white 3m	3.0 m	PoE acc. to IEEE802.3af	±5 %

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RJ45 Patch Cord Cat.6A U/FTP TPE4mm ultraflex white 5m

K5547WS.5	RJ45 Patch Cord Cat.6A U/FTP TPE4mm ultraflex white 5m	5.0 m	PoE acc. to IEEE802.3af	±5 %
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