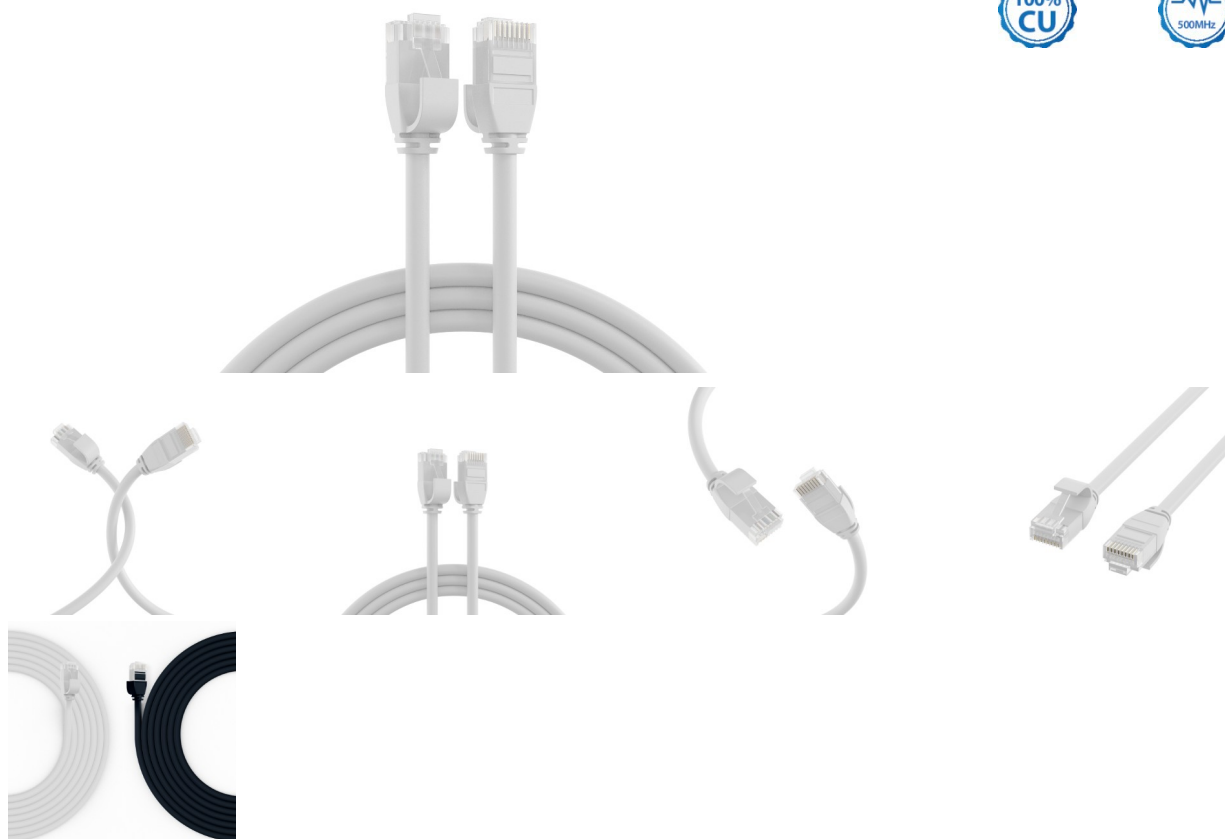


DATASHEET

RJ45 Patch Cord Cat.6A U/UTP TPE3,6mm ultraflex white 5m



General data

RJ45 patch cable Cat.6A U/UTP TPE 3.6mm ultraflex

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

Technical product properties

- Cat .6A (TIA)
- U/UTP cable with AWG30/7
- Sheath material made of halogen-free TPE/LSZH
- Fire protection: flame-retardant, halogen-free, low smoke
- Plug connection: RJ45 to RJ45
- With locking lever protection

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- Has gold-plated contacts

The jacket of the patch cable is made of halogen-free TPE/LSZH material. The cable also offers the option of power supply via PoE+ according to IEEE802.3at and PoE according to IEEE802.3af.

The assignment of the particularly short RJ45 plugs is 1:1 and follows TIA/EIA 568B. Suitable for the extended temperature range -20 – 75 °C.

The LAN cable has a conductor material made of copper and is ideal for use in structured building cabling. The bandwidth is 500 MHz.

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

General data	
Pin assignment	1:1
Locking lever	True
Allocation	acc. TIA/EIA 568B
Colour anti-kink sleeve	white
Cable type	U/UTP
Anti-kink sleeve	plugged in
Area of Application	Structured cabling
Colour outer sheath	white
Halogen free	True
Category	6A (TIA)

Mechanical characteristics	
Mating cycles	2000
Bending radius	15 mm

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Cable construction

Conductor Material	Copper
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Kabelaufbau

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

Printing	Cat.6A Patchcord ULTRAFLEX U/UTP TPE 10G www.efb-elektronik.de
Outer diameter of the cable	3.6 mm

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

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DATASHEET

RJ45 Patch Cord Cat.6A U/UTP TPE3,6mm ultraflex white 5m

Übertragungstechnische Eigenschaften

Transmission	10Gbit
Bandwidth	500MHz

Normen, Zulassungen, Zertifizierungen

Connector	IEC 60603-7-41
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Standards, approvals, certifications

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

Available variants

ArtNr.	Bezeichnung	Length	Längentoleranz
K8108WS.0,15	RJ45 Patch Cord Cat.6A U/UTP TPE3,6mm ultraflex white 0,15m	0.15 m	±5 %
K8108WS.0,25	RJ45 Patch Cord Cat.6A U/UTP TPE3,6mm ultraflex white 0,25m	0.25 m	±5 %
K8108WS.0,5	RJ45 Patch Cord Cat.6A U/UTP TPE3,6mm ultraflex white 0,5m	0.5 m	±5 %
K8108WS.1	RJ45 Patch Cord Cat.6A U/UTP TPE3,6mm ultraflex white 1m	1.0 m	±5 %
K8108WS.1,5	RJ45 Patch Cord Cat.6A U/UTP TPE3,6mm ultraflex white 1,5m	1.5 m	±5 %
K8108WS.2	RJ45 Patch Cord Cat.6A U/UTP TPE3,6mm ultraflex white 2m	2.0 m	±5 %
K8108WS.3	RJ45 Patch Cord Cat.6A U/UTP TPE3,6mm ultraflex white 3m	3.0 m	±5 %
K8108WS.5	RJ45 Patch Cord Cat.6A U/UTP TPE3,6mm ultraflex white 5m	5.0 m	±5 %

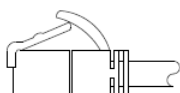
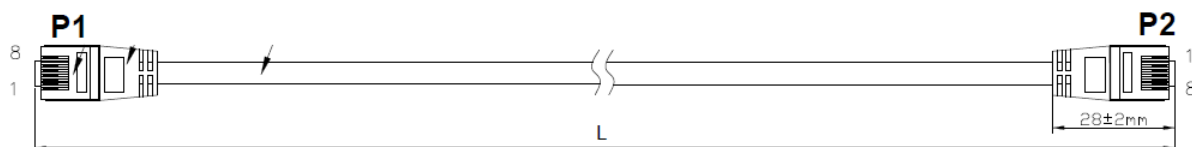
Drawings

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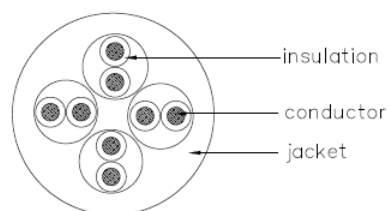
DATASHEET

RJ45 Patch Cord Cat.6A U/UTP TPE3,6mm ultraflex white 5m



P1	Wiring Diagram	P2
1	2	1 white
2	3	2 orange
3	4	3 white
6	5	6 green
4	7	4 blue
5	8	5 white
7		7 white
8		8 brown

Length(L)	Item No.	Color
0.15m+/-5mm	K8108SW.x	Black
0.25m+/-5mm	K8108WS.x	White
0.5m+/-5mm		
1m+/-10mm		
2m+/-20mm		
3m+/-30mm		
5m+/-50mm		



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