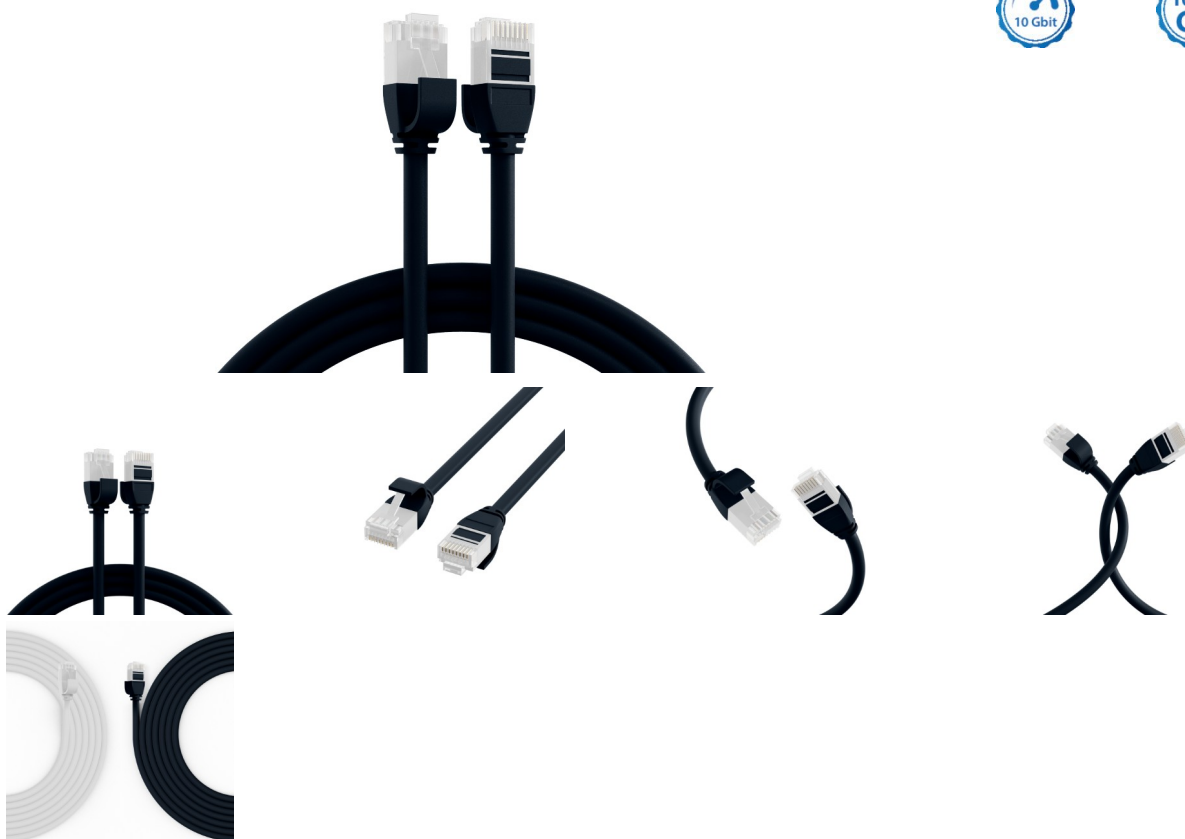


DATASHEET

RJ45 Patch Cord Cat.6A U/UTP TPE3,6mm ultraflex black 3m



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	
Suitable for degree of protection (IP)	IP20
AWG-size	30/7
Length imprint	False
Jacket Material	TPE/LSZH

General data	
Connector type	RJ45 short version
Colour outer sheath	black
Model	Unshielded
Pin assignment	1:1
Locking lever	True
Fire retardant version	True
Allocation	acc. TIA/EIA 568B
Cable type	U/UTP
Contacts	Gold plated μ" gold plated
Anti-kink sleeve	plugged in
Area of Application	Structured cabling
Halogen free	True
Category	6A (TIA)
Colour anti-kink sleeve	black

Mechanical characteristics	
Mating cycles	2000
Bending radius	15 mm

Cable construction

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RJ45 Patch Cord Cat.6A U/UTP TPE3,6mm ultraflex black 3m

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
Outer diameter of the cable	3.6 mm

Kabelmantel

Printing	Cat.6A Patchcord ULTRAFLEX U/UTP TPE 10G www.efb-elektronik.de
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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 %
Contact Resistance	< 20 mΩ
POE class	PoE+ acc. to IEEE802.3at
Operating-/ tempering voltage	max. 50 V DC
Current Rating	max. 1 A
NVP value	76 %
Insulation Resistance	100 MΩ

Elektrische Eigenschaften

Test voltage	1000 (V DC, 1min) core/core und core/screen
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DATASHEET

RJ45 Patch Cord Cat.6A U/UTP TPE3,6mm ultraflex black 3m

Übertragungstechnische Eigenschaften

Transmission	10Gbit
Bandwidth	500MHz

Standards, approvals, certifications

Cabling standard	EN50173
Connector	IEC 60603-7-41
Oil resistant (acc. EN 60811-2-1)	False

Available variants

ArtNr.	Bezeichnung	Length	Längentoleranz
K8108SW.0,15	RJ45 Patch Cord Cat.6A U/UTP TPE3,6mm ultraflex black 0,15m	0.15 m	±5 %
K8108SW.0,25	RJ45 Patch Cord Cat.6A U/UTP TPE3,6mm ultraflex black 0,25m	0.25 m	±5 %
K8108SW.0,5	RJ45 Patch Cord Cat.6A U/UTP TPE3,6mm ultraflex black 0,5m	0.5 m	±5 %
K8108SW.1	RJ45 Patch Cord Cat.6A U/UTP TPE3,6mm ultraflex black 1m	1.0 m	±5 %
K8108SW.1,5	RJ45 Patch Cord Cat.6A U/UTP TPE3,6mm ultraflex black 1,5m	1.5 m	±5 %
K8108SW.2	RJ45 Patch Cord Cat.6A U/UTP TPE3,6mm ultraflex black 2m	2.0 m	±5 %
K8108SW.3	RJ45 Patch Cord Cat.6A U/UTP TPE3,6mm ultraflex black 3m	3.0 m	±5 %
K8108SW.5	RJ45 Patch Cord Cat.6A U/UTP TPE3,6mm ultraflex black 5m	5.0 m	±5 %

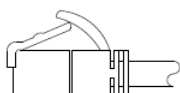
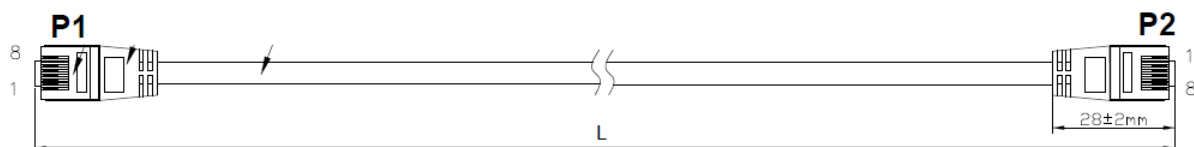
Drawings

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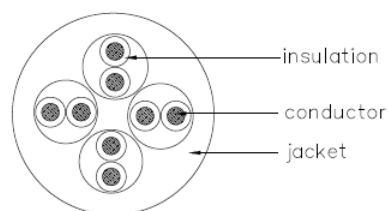
DATASHEET

RJ45 Patch Cord Cat.6A U/UTP TPE3,6mm ultraflex black 3m



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