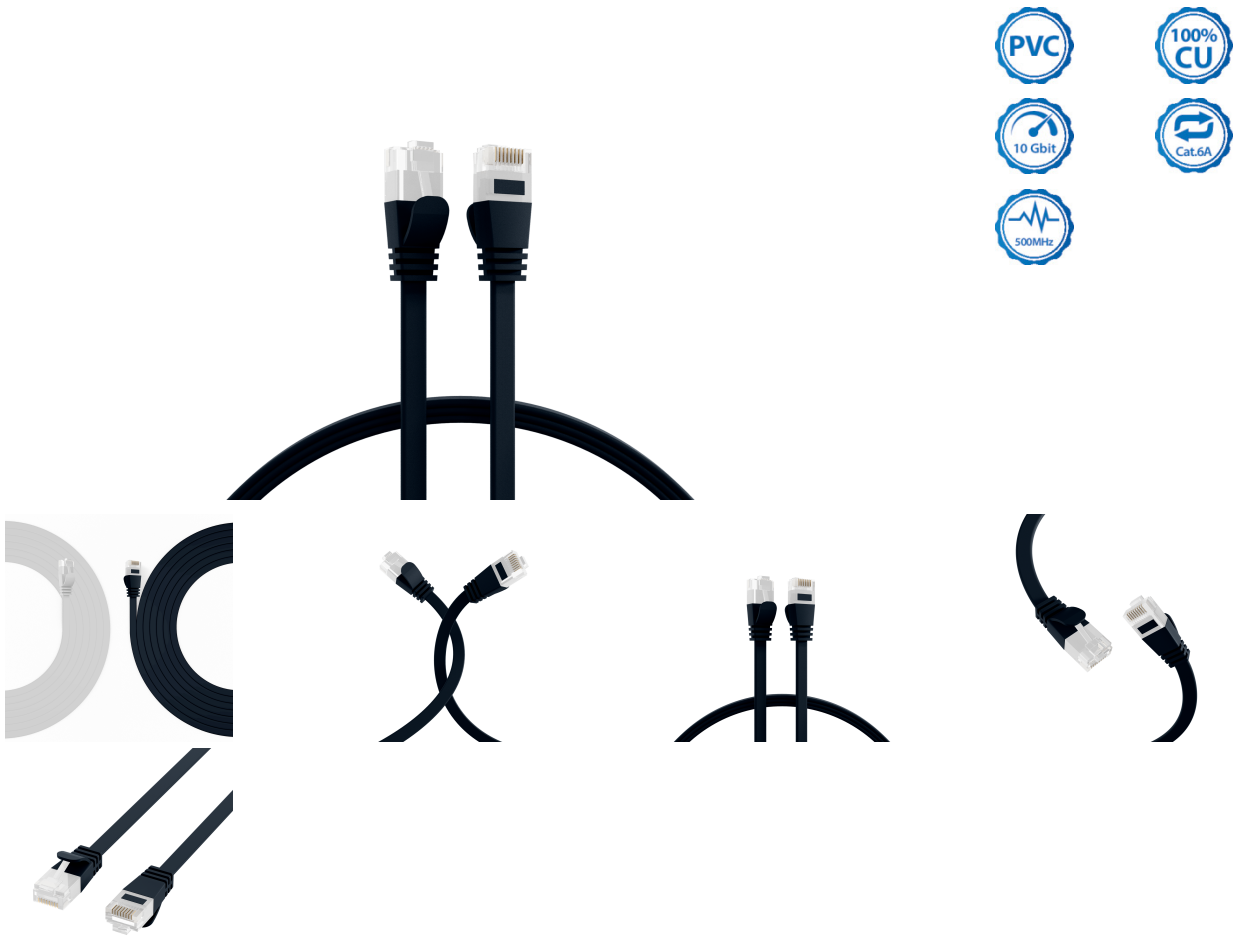
DATASHEET

RJ45 Flat Patch Cord Cat.6A U/UTP PVC black 0,5m



General data

This Cat.6A (TIA) patch cable from EFB-Elektronik transmits data up to 10Gbit. Because it is a Cat.6A (TIA) patch cable, it supports a frequency range of up to 500MHz, which provides high data transmission performance.

• Space-saving cabling – the flat cable enables kink-free installation in confined spaces.
• 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.
• Supply and connect end devices via one cable – reduces cabling effort because data and power are transmitted via PoE+ according to IEEE802.3at on a single line. PoE+ according to IEEE802.3at can only be used up to certain cable lengths.

Product Description
The unshielded design in this U/UTP network cable enables cost-efficient networking in low-interference environments

This datasheet was created automatically on 01-11-2026 . Technical changes reserved.

EFB-Elektronik GmbH
Striegauer Straße 1
33719 Bielefeld

fon: +49 521 40 41 8-0
fax: +49 521 40 41 8-50

info@efb-elektronik.de
www.efb-elektronik.de

WIR SORGEN FÜR VERBINDUNG
WE CARE FOR CONNECTION

RJ45 Flat Patch Cord Cat.6A U/UTP PVC black 0,5m

while providing high flexibility for easy installation. The temperature range of the cable is -20 – 60 °C. The wide range of possible applications is supported by the bending radius of >10 mm. The LAN cable has an IP20 rating. The polyvinyl chloride (PVC) jacket is a flexible standard jacket for network applications, without special fire protection properties.

Technical details
- Cat.6A (TIA)
- Connector: RJ45 8(8) to RJ45 8(8) with extra-short RJ45 connectors
- Shielding: U/UTP cable with 4x2 x AWG30/7
- Cable shape: flat
- 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: Polyvinyl chloride (PVC) sheath material
- External dimensions of the cable: 6.0*1.6 mm
- With an injected anti-kink grommet
- Fire protection: flame-retardant according to IEC60332-1
- Degree of protection: IP20
- 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	>10 mm
Cable construction	4x2
Cable shape	flat
Cable type	U/UTP
Cabling standard	EN50173
Category	6A (TIA)
Colour anti-kink sleeve	black
Colour outer sheath	black
Conductive shield	No
Conductor Material	Copper
Conductor resistance DC	376 Ω/km
Connector	IEC 60603-7-41
Connector type	RJ45 short version
Contacts	Gold plated

This datasheet was created automatically on 01-11-2026 . Technical changes reserved.

EFB-Elektronik GmbH
Striegauer Straße 1
33719 Bielefeld

fon: +49 521 40 41 8-0
fax: +49 521 40 41 8-50

info@efb-elektronik.de
www.efb-elektronik.de

WIR SORGEN FÜR VERBINDUNG
WE CARE FOR CONNECTION

DATASHEET

RJ45 Flat Patch Cord Cat.6A U/UTP PVC black 0,5m

Current capacity	max. 1 A
Fire retardant version	acc. IEC60332-1
Halogen free	False
Harmonised Standard	EN 50575
Impedance	100 ±15 Ω
Insulation Resistance	100 MΩ
Length imprint	False
Locking lever	True
Loop resistance	752 Ω/km
Material outer sheath	Polyvinylchlorid (PVC)
Mating cycles	≥750
Model	unshielded
NVP value	76 %
Oil resistant	no
Operating Temperature	-20 – 60 °C
Operating-/ tempering voltage	max. 50 V DC
Outer diameter of the cable	6.0*1.6 mm
Ozone resistance	No
Pin assignment	1:1
Printing	SLIM PATCHCABLE U/UTP CAT.6A ***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)
UL approbated	False
UV resistant	Nein

Available variants

ArtNr.	Bezeichnung	Length	POE class	Length tolerance
K8107SW.0,25	RJ45 Flat Patch Cord Cat.6A U/UTP PVC black 0.25m	0.25 m	PoE acc. to IEEE802.3af;PoE acc. to IEEE802.3at	±5 %

This datasheet was created automatically on 01-11-2026 . Technical changes reserved.

EFB-Elektronik GmbH
Striegauer Straße 1
33719 Bielefeld

fon: +49 521 40 41 8-0
fax: +49 521 40 41 8-50

info@efb-elektronik.de
www.efb-elektronik.de

WIR SORGEN FÜR VERBINDUNG
WE CARE FOR CONNECTION

RJ45 Flat Patch Cord Cat.6A U/UTP PVC black 0,5m

K8107SW.0,5	RJ45 Flat Patch Cord Cat.6A U/UTP PVC black 0,5m	0.5 m	PoE acc. to IEEE802.3af;PoE acc. to IEEE802.3at	±5 %
K8107SW.1	RJ45 Flat Patch Cord Cat.6A U/UTP PVC black 1m	1.0 m	PoE acc. to IEEE802.3af;PoE acc. to IEEE802.3at	±5 %
K8107SW.1,5	RJ45 Flat Patch Cord Cat.6A U/UTP PVC black 1,5m	1.5 m	PoE acc. to IEEE802.3af	±5 %
K8107SW.2	RJ45 Flat Patch Cord Cat.6A U/UTP PVC black 2m	2.0 m	PoE acc. to IEEE802.3af	±5 %
K8107SW.3	RJ45 Flat Patch Cord Cat.6A U/UTP PVC black 3m	3.0 m	PoE acc. to IEEE802.3af	±5 %
K8107SW.5	RJ45 Flat Patch Cord Cat.6A U/UTP PVC black 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 01-11-2026 . Technical changes reserved.

EFB-Elektronik GmbH
Striegauer Straße 1
33719 Bielefeld

fon: +49 521 40 41 8-0
fax: +49 521 40 41 8-50

info@efb-elektronik.de
www.efb-elektronik.de

WIR SORGEN FÜR VERBINDUNG
WE CARE FOR CONNECTION