DATASHEET

RJ45 Patch Cord Cat.6 U/UTP PVC CCA black 5m



General data

The Cat.6 patch cable from EFB-Elektronik supports data transmissions up to 5Gbit. Since it is a Cat.6 Ethernet cable, it offers a frequency range of up to 250MHz, which provides high data transmission performance.

• 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.
• Ensure reliable 5 Gigabit connections – gold-plated contact surfaces reduce contact resistance and contact corrosion, which supports signal quality and thus stable 5Gbps transmission.
• Reliable 250MHz bandwidth performance ensures high-speed data transmission.

Product Description
The unshielded design in this U/UTP patch cable enables cost-effective networking in low-interference environments 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 >30 mm. The network cable is IP20 rated. The polyvinyl chloride (PVC) jacket is a flexible standard jacket for network applications, without special fire protection properties.

Technical details
• Cat.6
• Connector: RJ45 8(8) to RJ45 8(8) with RJ45 connectors
• Shielding: U/UTP cable with 4x2 x AWG24/7

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 Patch Cord Cat.6 U/UTP PVC CCA black 5m

- Cable shape: round
- Pin assignment: 1:1 according to TIA/EIA 568B
- Gold-plated contacts
- Sheath: Polyvinyl chloride (PVC) sheath material
- Outer diameter: 5.9 mm
- With an injected anti-kink grommet
- Fire protection: flame-retardant according to IEC60332-1
- Degree of protection: IP20
- Mating cycles: ≥750
- With length print
- Brand: EFB-Elektronik

Technical properties	
AWG-size	24/7
Allocation	acc. TIA/EIA 568B
Anti-kink sleeve	moulded-on
Area of Application	Industrial Ethernet
Bandwidth	250MHz
Bending radius	>30 mm
Cable construction	4x2
Cable shape	rund
Cable type	U/UTP
Cabling standard	EN50173
Category	6
Colour anti-kink sleeve	black
Colour outer sheath	black
Conductive shield	No
Conductor Material	CCA
Connector	IEC 60603-7-4
Connector type	RJ45 standard
Contacts	Gold plated
Current capacity	max. 1 A
Fire retardant version	acc. IEC60332-1
Halogen free	False
Harmonised Standard	EN 50575
Impedance	100
Length imprint	True
Locking lever	False
Material outer sheath	Polyvinylchlorid (PVC)
Mating cycles	≥750

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 Patch Cord Cat.6 U/UTP PVC CCA black 5m

Model	unshielded
Oil resistant	no
Operating Temperature	-20 – 60 °C
Operating-/ tempering voltage	max. 50 V DC
Outer diameter of the cable	5.9 mm
Ozone resistance	No
Pin assignment	1:1
Printing	CAT.6 U/UTP AWG24 stranded × 4pairs cable ***5 GIGABIT*** www.efb-elektronik.de
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	5Gbit
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
K8100SW.0,25	RJ45 Patch Cord Cat.6 U/UTP PVC CCA black 0,25m	0.25 m	No	±5 %
K8100SW.0,5	RJ45 Patch Cord Cat.6 U/UTP PVC CCA black 0,5m	0.5 m	No	±5 %
K8100SW.1	RJ45 Patch Cord Cat.6 U/UTP PVC CCA black 1m	1.0 m	No	±5 %
K8100SW.1,5	RJ45 Patch Cord Cat.6 U/UTP PVC CCA black 1,5m	1.5 m	No	±5 %
K8100SW.10	RJ45 Patch Cord Cat.6 U/UTP PVC CCA black 10m	10.0 m	No	±5 %
K8100SW.15	RJ45 Patch Cord Cat.6 U/UTP PVC CCA black 15m	15.0 m	No	±5 %
K8100SW.2	RJ45 Patch Cord Cat.6 U/UTP PVC CCA black 2m	2.0 m	No	±5 %
K8100SW.20	RJ45 Patch Cord Cat.6 U/UTP PVC CCA black 20m	20.0 m	No	±5 %
K8100SW.3	RJ45 Patch Cord Cat.6 U/UTP PVC CCA black 3m	3.0 m	No	±5 %
K8100SW.30	RJ45 Patch Cord Cat.6 U/UTP PVC CCA black 30m	30.0 m	No	±5 %
K8100SW.5	RJ45 Patch Cord Cat.6 U/UTP PVC CCA black 5m	5.0 m	No	±5 %
K8100SW.7,5	RJ45 Patch Cord Cat.6 U/UTP PVC CCA black 7,5m	7.5 m	No	±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