

DATASHEET

RJ45 Patch Cord Cat.6 U/UTP PVC CCA grey 1,5m



General data

This Cat.6 LAN cable from EFB-Elektronik supports data transfers up to 5Gbit. Because it is a Cat.6 patch cable, it offers a frequency range 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 performance of 250MHz bandwidth ensures high-speed data transmission.

Product Description

The unshielded design in this U/UTP Ethernet 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 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.6
- Connector: RJ45 8(8) to RJ45 8(8) with RJ45 connectors

This datasheet was created automatically on 22-09-2026 . Technical changes reserved.



DATASHEET

RJ45 Patch Cord Cat.6 U/UTP PVC CCA grey 1,5m

- Shielding: U/UTP cable with 4x2 x AWG24/7
- 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	grey
Colour outer sheath	grey
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	No
Harmonised Standard	EN 50575
Impedance	100
Length imprint	True
Locking lever	False
Material outer sheath	PVC

This datasheet was created automatically on 22-09-2026 . Technical changes reserved.



DATASHEET

RJ45 Patch Cord Cat.6 U/UTP PVC CCA grey 1,5m

Mating cycles	≥750
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	no

Available variants

ArtNr.	Bezeichnung	Length POE class		Length tolerance
K8100GR.0,25	RJ45 Patch Cord Cat.6 U/UTP PVC CCA grey 0,25m	0.25 m	No	±5 %
K8100GR.0,5	RJ45 Patch Cord Cat.6 U/UTP PVC CCA grey 0,5m	0.5 m	No	±5 %
K8100GR.1	RJ45 Patch Cord Cat.6 U/UTP PVC CCA grey 1m	1.0 m	No	±5 %
K8100GR.1,5	RJ45 Patch Cord Cat.6 U/UTP PVC CCA grey 1,5m	1.5 m	No	±5 %
K8100GR.10	RJ45 Patch Cord Cat.6 U/UTP PVC CCA grey 10m	10.0 m	No	±5 %
K8100GR.15	RJ45 Patch Cord Cat.6 U/UTP PVC CCA grey 15m	15.0 m	No	±5 %
K8100GR.2	RJ45 Patch Cord Cat.6 U/UTP PVC CCA grey 2m	2.0 m	No	±5 %
K8100GR.20	RJ45 Patch Cord Cat.6 U/UTP PVC CCA grey 20m	20.0 m	No	±5 %
K8100GR.3	RJ45 Patch Cord Cat.6 U/UTP PVC CCA grey 3m	3.0 m	No	±5 %
K8100GR.30	RJ45 Patch Cord Cat.6 U/UTP PVC CCA grey 30m	30.0 m	No	±5 %
K8100GR.5	RJ45 Patch Cord Cat.6 U/UTP PVC CCA grey 5m	5.0 m	No	±5 %
K8100GR.7,5	RJ45 Patch Cord Cat.6 U/UTP PVC CCA grey 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 22-09-2026 . Technical changes reserved.

