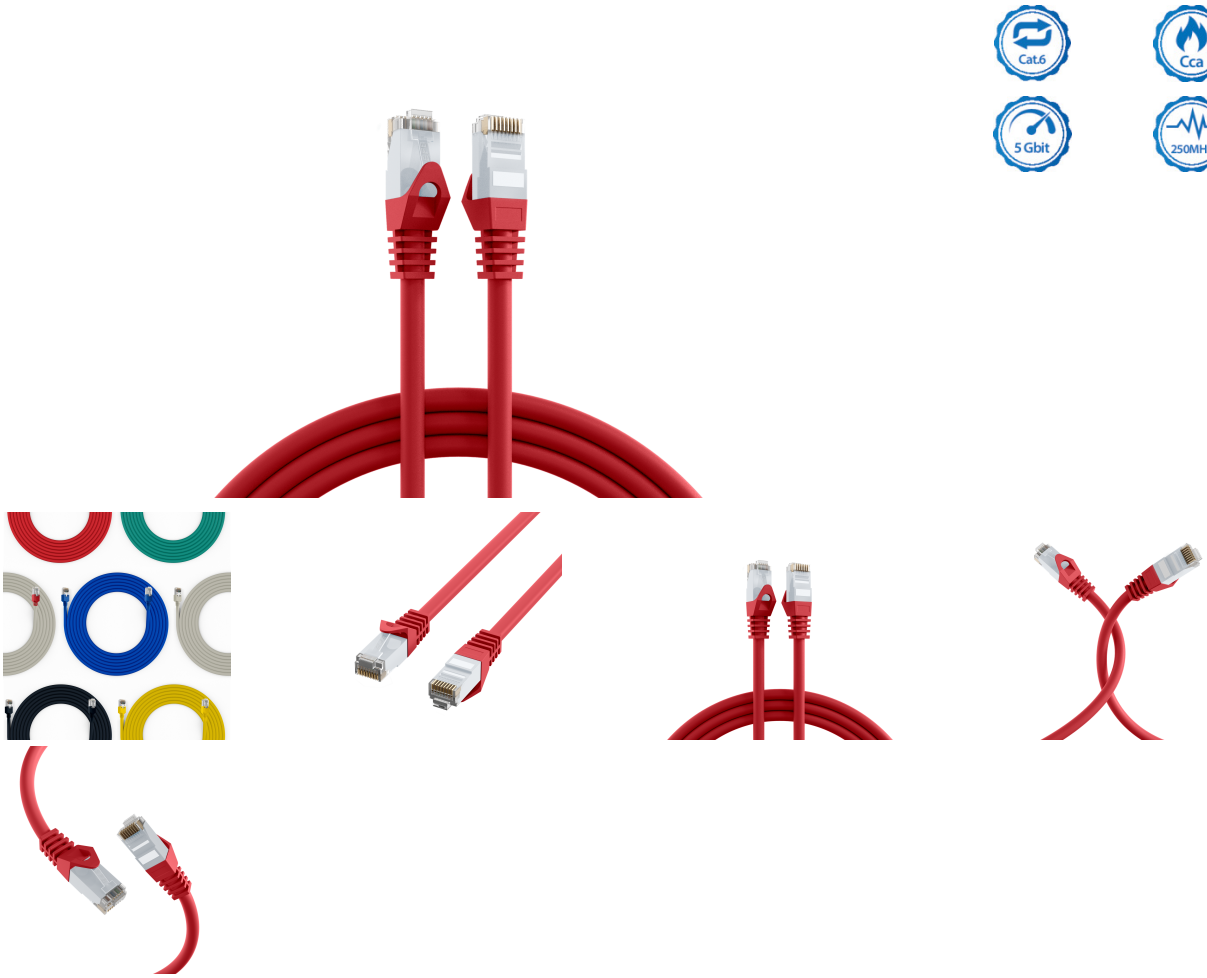
DATASHEET

RJ45 Patch Cord Cat.6 U/UTP LSZH CCA red 2m



General data

The Cat.6 LAN cable from EFB-Elektronik transmits data up to 5Gbit. Since it is a Cat.6 data cable, it offers a frequency range of up to 250MHz, which allows for 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.
• Increased safety in the event of a fire – low smoke generation after IEC61034 helps to keep escape routes as low-smoke as possible in the event of a fire, and the halogen-free materials according to IEC60754-2 reduce the development of corrosive fire gases.
• Ensure reliable 5 Gigabit connections – gold-plated contact surfaces reduce contact resistance and contact corrosion, which supports signal quality and thus stable 5Gbps transmission.

Product Description

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 LSZH CCA red 2m

The unshielded design in this U/UTP LAN cable enables cost-effective networking in low-interference environments while providing high flexibility for easy installation. It can be used in a temperature range of -20 – 60 °C. The wide range of possible applications is supported by the bending radius of >30 mm. The Ethernet cable has an IP20 rating. The LSZH jacket is halogen-free and low-smoke. In the event of a fire, it minimizes smoke development and increases indoor safety.

Technical details
• Cat.6
• Connector: RJ45 8(8) to RJ45 8(8) with RJ45 connectors
• 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: LSZH sheath material
• Outer diameter: 5.9 mm
• With an injected anti-kink grommet
• Fire protection: flame-retardant according to IEC60332-1, low-smoke according to IEC61034, halogen-free according to IEC60754-2
• Degree of protection: IP20
• With locking lever protection
• 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	red
Colour outer sheath	red
Conductive shield	No
Conductor Material	CCA
Connector	IEC 60603-7-4
Connector type	RJ45 standard

DATASHEET

RJ45 Patch Cord Cat.6 U/UTP LSZH CCA red 2m

Contacts	Gold plated
Current capacity	max. 1 A
Fire retardant version	acc. IEC60332-1
Halogen free	acc. IEC60754-2
Harmonised Standard	EN 50575
Impedance	100
Length imprint	True
Locking lever	True
Low smoke	acc. IEC61034
Material outer sheath	LSZH
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 LSZH 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
K8104RT.0,25	RJ45 Patch Cord Cat.6 U/UTP LSZH CCA red 0,25m	0.25 m	No	±5 %
K8104RT.0,5	RJ45 Patch Cord Cat.6 U/UTP LSZH CCA red 0,5m	0.5 m	No	±5 %
K8104RT.1	RJ45 Patch Cord Cat.6 U/UTP LSZH CCA red 1m	1.0 m	No	±5 %
K8104RT.1,5	RJ45 Patch Cord Cat.6 U/UTP LSZH CCA red 1,5m	1.5 m	No	±5 %
K8104RT.10	RJ45 Patch Cord Cat.6 U/UTP LSZH CCA red 10m	10.0 m	No	±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 Patch Cord Cat.6 U/UTP LSZH CCA red 2m

K8104RT.15	RJ45 Patch Cord Cat.6 U/UTP LSZH CCA red 15m	15.0 m	No	±5 %
K8104RT.2	RJ45 Patch Cord Cat.6 U/UTP LSZH CCA red 2m	2.0 m	No	±5 %
K8104RT.20	RJ45 Patch Cord Cat.6 U/UTP LSZH CCA red 20m	20.0 m	No	±5 %
K8104RT.3	RJ45 Patch Cord Cat.6 U/UTP LSZH CCA red 3m	3.0 m	No	±5 %
K8104RT.5	RJ45 Patch Cord Cat.6 U/UTP LSZH CCA red 5m	5.0 m	No	±5 %
K8104RT.7,5	RJ45 Patch Cord Cat.6 U/UTP LSZH CCA red 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