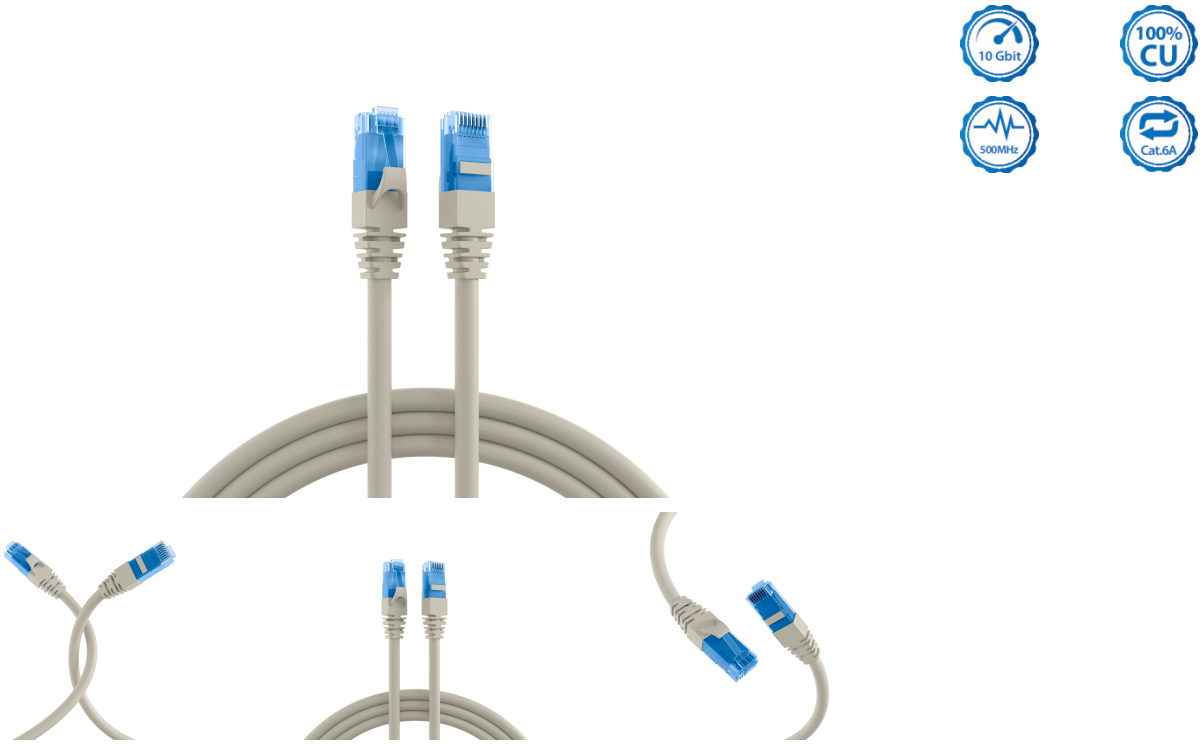
DATASHEET

RJ45 Patch Cord Cat.6A U/UTP LSZH Premium 500MHz grey 15m



General data

The Cat.6A (TIA) data cable from EFB-Elektronik transmits data up to 10Gbit. Because it is a Cat.6A (TIA) network cable, it offers a frequency range up to 500MHz, which enables 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 development after IEC61034 helps to keep escape routes as low as possible in the event of a fire, and the halogen-free materials according to IEC60754-2 reduce the development of corrosive fire gases.
• Reliable performance for your network connection – the pure copper conductor material ensures stable data transmission and supports consistent signal quality in typical IT and home network applications.

Product Description
The unshielded design in this U/UTP Ethernet cable enables cost-efficient 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.

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WIR SORGEN FÜR VERBINDUNG
WE CARE FOR CONNECTION

DATASHEET

RJ45 Patch Cord Cat.6A U/UTP LSZH Premium 500MHz grey 15m

Technical details
• Cat.6A (TIA)
• Connector: RJ45 8(8) to RJ45 8(8) with blue RJ45 connectors
• Shielding: U/UTP cable with 4x2 x AWG24/7
• Pin assignment: 1:1 according to TIA/EIA 568B
• Equivalent to PoE class: No
• Gold-plated contacts
• Sheath: LSZH sheath material
• Outer diameter: 6.0 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
• Brand: EFB-Elektronik

Technical properties	
AWG-size	24/7
Allocation	acc. TIA/EIA 568B
Anti-kink sleeve	moulded-on
Area of Application	Structured cabling
Bandwidth	500MHz
Bending radius	>30 mm
Cable construction	4x2
Cable type	U/UTP
Cabling standard	ANSI/TIA-568-C.2
Category	6A (TIA)
Colour anti-kink sleeve	grey
Colour outer sheath	grey
Conductor Material	Copper
Connector	IEC 60603-7-41
Connector type	RJ45 standard blue
Contacts	Gold plated
Current capacity	max. 1 A
Fire retardant version	acc. IEC60332-1
Halogen free	acc. IEC60754-2
Length imprint	False
Locking lever	True

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Low smoke	True
Material outer sheath	LSZH
Mating cycles	≥750
Model	unshielded
NVP value	0 %
Operating Temperature	-20 – 60 °C
Operating-/ tempering voltage	max. 50 V DC
Outer diameter of the cable	6.0 mm
Pin assignment	1:1
Suitable for degree of protection (IP)	IP20
Transmission	10Gbit
Type of connector connection 1	RJ45 8(8)
Type of connector connection 2	RJ45 8(8)

Available variants

ArtNr.	Bezeichnung	Length	Length tolerance
K8103GR.10	RJ45 Patch Cord Cat.6A U/UTP LSZH Premium 500MHz grey 10m	10.0 m	±5 %
K8103GR.15	RJ45 Patch Cord Cat.6A U/UTP LSZH Premium 500MHz grey 15m	15.0 m	
K8103GR.7,5	RJ45 Patch Cord Cat.6A U/UTP LSZH Premium 500MHz grey 7,5m	7.5 m	±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.

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