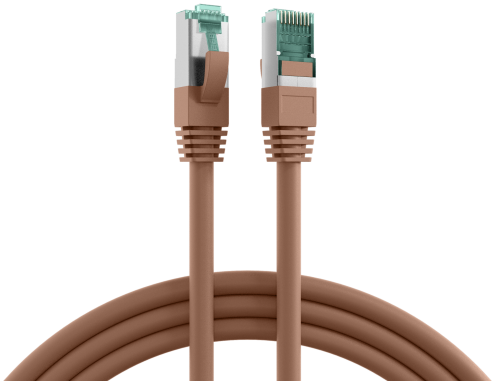
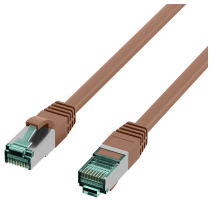
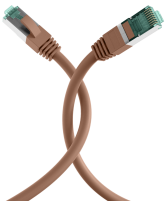
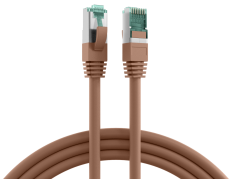
DATASHEET

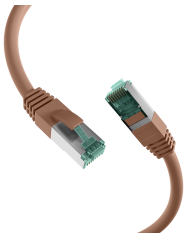
RJ45 Patch Cord Cat.6A S/FTP LSZH braun 0,25m











General data

RJ45 patch cable Cat.6A S/FTP LSZH

The Cat.6A (TIA) patch cable meets the requirements for 10Gbit Ethernet and has gold-plated contacts.

Technical product features
- Cat.6A (TIA)
- S/FTP cable with AWG27/7
- Jacket material made of halogen-free LSZH
- Fire protection: flame-retardant, halogen-free, low smoke
- Plug connection: RJ45 to RJ45
- With locking lever protection
- Has gold-plated contacts

This datasheet was created automatically on 24-10-2026 . Technical changes reserved.

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The sheath of the shielded patch cable is made of halogen-free LSZH material and has a length imprint on the grommet. In addition, the cable offers the option of power supply via PoE according to IEEE802.3af, PoE+ according to IEEE802.3at and 4PPoE according to IEEE802.3bt.

The assignment of the green RJ45 plugs is according to TIA/EIA 568B and is 1 :1. Suitable for the temperature range -20 - 60 °C.

The network cable has a conductor material made of copper and is ideal for applications in structured building cabling, industrial Ethernet and in data centers. The bandwidth is 500 MHz.

Technical properties	
AWG-size	27/7
Allocation	acc. TIA/EIA 568B
Anti-kink sleeve	moulded-on
Area of Application	Industrial Ethernet
Bandwidth	500MHz
Bending radius	>30 mm
Cable construction	4x2
Cable type	S/FTP
Cabling standard	EN50173
Category	6A (TIA)
Colour anti-kink sleeve	brown
Colour outer sheath	brown
Conductive shield	Selected shield contact
Conductor Material	Copper
Conductor resistance DC	185 Ω/km
Connector	IEC 60603-7-51
Connector type	RJ45 standard green
Contact Resistance	30 mΩ
Contacts	Gold plated
Current capacity	max. 1 A
Fire retardant version	acc. IEC60332-1
Halogen free	acc. IEC60754-2
Impedance	100 ±15 Ω
Insulation Resistance	10 MΩ
Length imprint	True
Locking lever	True
Loop resistance	370 Ω/km
Low smoke	acc. IEC61034

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RJ45 Patch Cord Cat.6A S/FTP LSZH braun 0,25m

Material outer sheath	LSZH
Mating cycles	≥750
Model	shielded
NVP value	74 %
Oil resistant	no
Operating Temperature	-20 – 60 °C
Operating-/ tempering voltage	max. 50 V DC
Outer diameter of the cable	6.0 mm
Ozone resistance	No
Pin assignment	1:1
Printing	Cat.6A PATCH S/FTP 4x2xAWG27/7 LSZH ISO/IEC11801 ANSI/TIA-568-C.2 ***10Gigabit Ethernet*** www.efb-elektronik.de
Raw cable	Cat.6A
Resistance unbalance	3 %
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
Total screening	80 %
Transmission	10Gbit
Type of connector connection 1	RJ45 8(8)
Type of connector connection 2	RJ45 8(8)
UL approbated	False

Available variants

ArtNr.	Bezeichnung	Length	POE class	Length tolerance
MK6001.0,15BR	RJ45 Patch Cord Cat.6A S/FTP LSZH braun 0,15m	0.15 m	PoE acc. to IEEE802.3af;PoE acc. to IEEE802.3at;4PPoE acc. to IEEE802.3bt	±5 %
MK6001.0,25BR	RJ45 Patch Cord Cat.6A S/FTP LSZH braun 0,25m	0.25 m	PoE acc. to IEEE802.3af;PoE acc. to IEEE802.3at;4PPoE acc. to IEEE802.3bt	±5 %
MK6001.1BR	RJ45 Patch Cord Cat.6A S/FTP LSZH braun 1m	1.0 m	PoE acc. to IEEE802.3af;PoE acc. to IEEE802.3at;4PPoE acc. to IEEE802.3bt	±5 %
MK6001.20BR	RJ45 Patch Cord Cat.6A S/FTP LSZH braun 20m	20.0 m	PoE acc. to IEEE802.3af;PoE acc. to IEEE802.3at	±5 %
MK6001.25BR	RJ45 Patch Cord Cat.6A S/FTP LSZH braun 25m	25.0 m	PoE acc. to IEEE802.3af	±5 %

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RJ45 Patch Cord Cat.6A S/FTP LSZH braun 0,25m

MK6001.30BR	RJ45 Patch Cord Cat.6A S/FTP LSZH braun 32m	30.0 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.

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