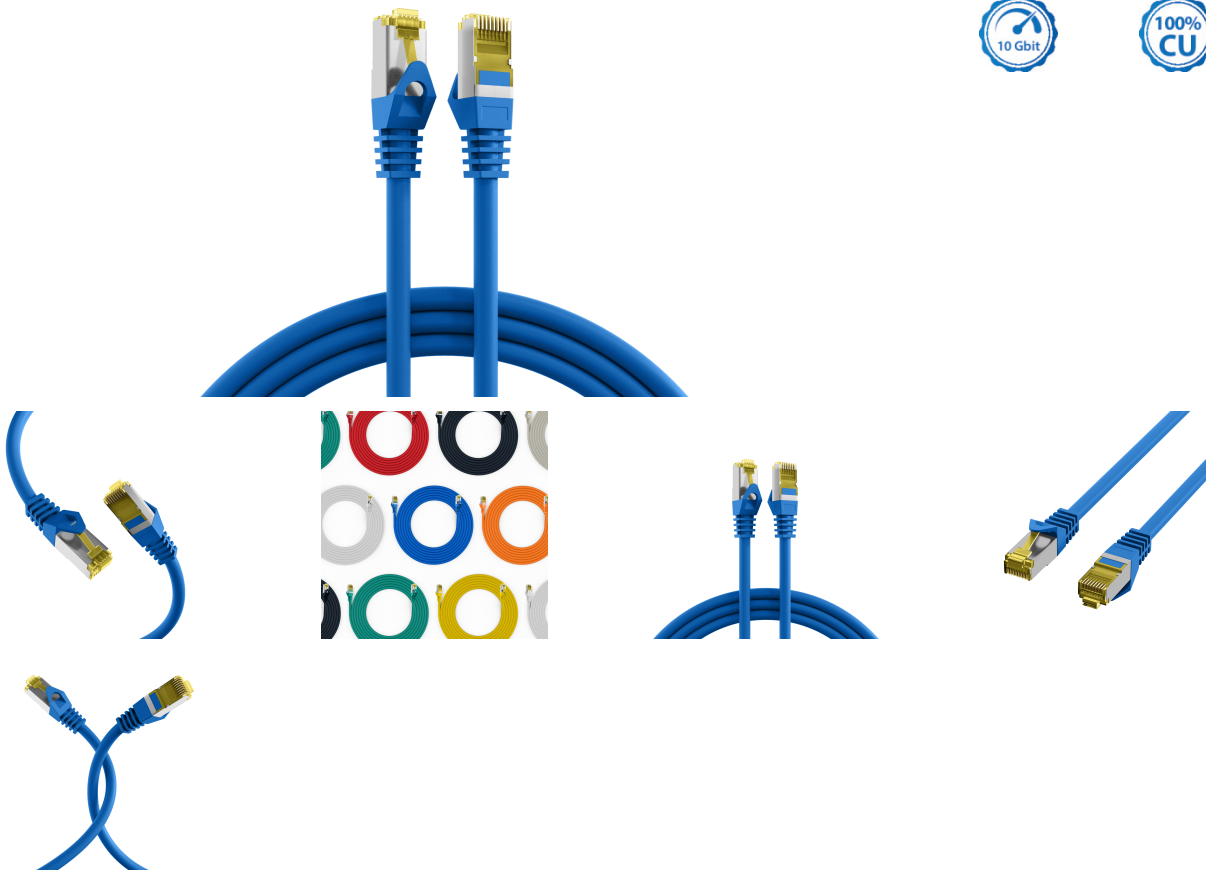


DATASHEET

RJ45 Patch Cord Cat.6A S/FTP LSZH Cat.7 raw cable blue 3m



General data

RJ45 patch cable Cat.6A S/FTP LSZH Cat.7 raw cable

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 AWG26/7
- Sheath material made of halogen-free LSZH
- Fire protection: flame-retardant, halogen-free, low smoke
- Plug connection: RJ45 to RJ45
- With locking lever protection

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DATASHEET

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- Has gold-plated contacts

The jacket of the shielded patch cable is made of halogen-free LSZH material and has a length imprint on the grommet. The cable also 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 yellow 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 use in structured building cabling, industrial Ethernet and in data centers. The frequency range is 500 MHz.

Allgemeine Daten	
Suitable for degree of protection (IP)	IP20
Fire retardant version	True
Model	Shielded
Connector type	RJ45 Standard yellow
Contacts	Gold plated
Length imprint	True
Current Rating	max. 1 A
AWG-size	26/7

General data	
Colour anti-kink sleeve	blue
Cable type	S/FTP
Pin assignment	1:1
Locking lever	True
Allocation	acc. TIA/EIA 568B
Area of Application	Industrial Ethernet
Anti-kink sleeve	plugged in
Colour outer sheath	blue
Halogen free	True
Category	6A (TIA)

Mechanical characteristics	
Conductive shield	Selected shield contact
Bending radius	>32.5 mm
Mating cycles	2000

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DATASHEET

RJ45 Patch Cord Cat.6A S/FTP LSZH Cat.7 raw cable blue 3m

Cable construction

Raw cable	Cat.7
Conductor Material	Copper

Kabelaufbau

Type of connector connection 2	RJ45 8(8)
Type of connector connection 1	RJ45 8(8)
Cable construction	4x2

Cable sheath

Oil resistant (according to EN 60811-404)	False
Flame retardant	acc. IEC60332-1
Jacket Material	LSZH
Silicone-free	True
Low smoke	acc. IEC61034

Kabelmantel

Outer diameter of the cable	6.5 mm
Printing	Cat.7 raw cable S/FTP 4x2xAWG26/7 PIMF 600MHz ISO/IEC 11801 & EN50173-1 TIA/EIA 568B-2.1 Halogen Free ***10GIGABIT*** www.efb-elektronik.de
Halogen-free	yes

Environmental conditions

Temperature range	-20 - 60 °C
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Electrical characteristics

Insulation Resistance	10 MΩ
Loop resistance	292 Ω/km
POE class	PoE+ acc. to IEEE802.3at
Impedance	100 ±5 Ω
Resistance unbalance	5 %
Conductor resistance DC	146 Ω/km

Elektrische Eigenschaften

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DATASHEET

RJ45 Patch Cord Cat.6A S/FTP LSZH Cat.7 raw cable blue 3m

Test voltage	1000 V DC, 1min
Contact Resistance	30 mΩ
Operating-/ tempering voltage	max. 50 V DC

Übertragungstechnische Eigenschaften

Transmission	10Gbit
Bandwidth	500MHz

Normen, Zulassungen, Zertifizierungen

Connector	IEC 60603-7-51
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Standards, approvals, certifications

Cabling standard	EN50173
Oil resistant (acc. EN 60811-2-1)	False

Available variants

ArtNr.	Bezeichnung	Length	Längentoleranz
MK7001.0,15BL	RJ45 Patch Cord Cat.6A S/FTP LSZH Cat.7 raw cable blue 0,15m	0.15 m	±5 %
MK7001.0,25BL	RJ45 Patch Cord Cat.6A S/FTP LSZH Cat.7 raw cable blue 0,25m	0.25 m	±5 %
MK7001.0,5BL	RJ45 Patch Cord Cat.6A S/FTP LSZH Cat.7 raw cable blue 0,5m	0.5 m	±5 %
MK7001.1BL	RJ45 Patch Cord Cat.6A S/FTP LSZH Cat.7 raw cable blue 1m	1.0 m	±5 %
MK7001.1,5BL	RJ45 Patch Cord Cat.6A S/FTP LSZH Cat.7 raw cable blue 1,5m	1.5 m	±5 %
MK7001.2BL	RJ45 Patch Cord Cat.6A S/FTP LSZH Cat.7 raw cable blue 2m	2.0 m	±5 %
MK7001.3BL	RJ45 Patch Cord Cat.6A S/FTP LSZH Cat.7 raw cable blue 3m	3.0 m	±5 %
MK7001.5BL	RJ45 Patch Cord Cat.6A S/FTP LSZH Cat.7 raw cable blue 5m	5.0 m	±5 %
MK7001.7,5BL	RJ45 Patch Cord Cat.6A S/FTP LSZH Cat.7 raw cable blue 7,5m	7.5 m	±5 %
MK7001.10BL	RJ45 Patch Cord Cat.6A S/FTP LSZH Cat.7 raw cable blue 10m	10.0 m	±5 %
MK7001.15BL	RJ45 Patch Cord Cat.6A S/FTP LSZH Cat.7 raw cable blue 15m	15.0 m	±5 %
MK7001.20BL	RJ45 Patch Cord Cat.6A S/FTP LSZH Cat.7 raw cable blue 20m	20.0 m	±5 %
MK7001.25BL	RJ45 Patch Cord Cat.6A S/FTP LSZH Cat.7 raw cable blue 25m	25.0 m	±5 %
MK7001.30BL	RJ45 Patch Cord Cat.6A S/FTP LSZH Cat.7 raw cable blue 30m	30.0 m	±5 %

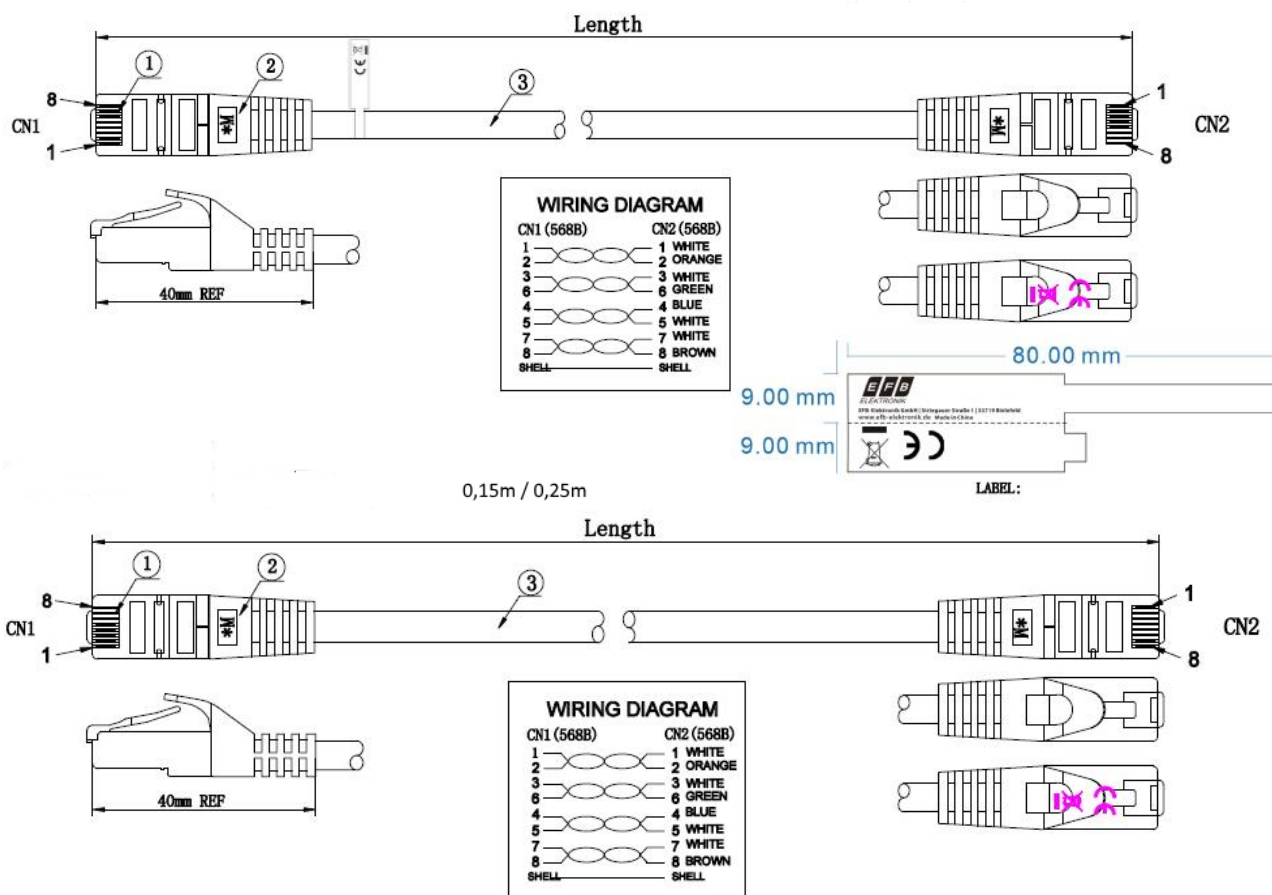
Drawings

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