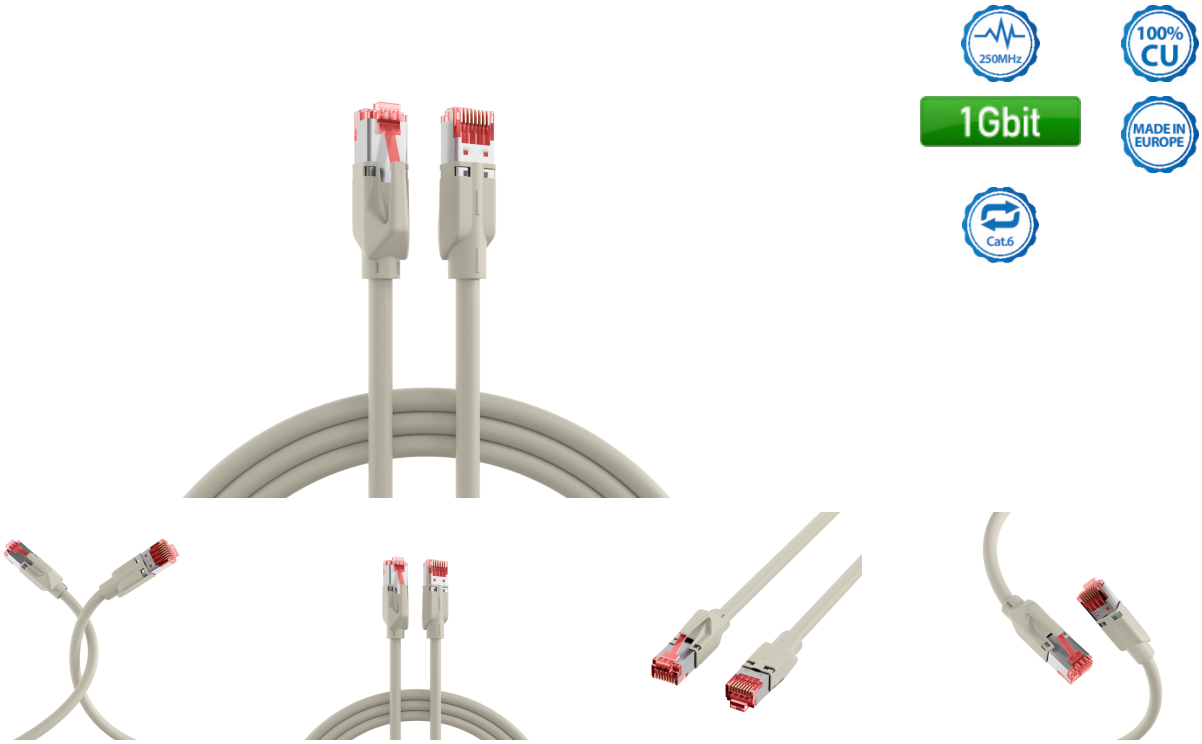
DATASHEET

RJ45 Patch Cord Cat.6 S/FTP LSZH Draka UC900 TM21red crossed grey 3m



General data

The crossed Cat.6 LAN cable from EFB-Elektronik supports data transmissions up to 5Gbit. S/FTP shielding reliably protects against interference and ensures high-quality signals. Since it is a Cat.6 LAN cable, it offers a frequency range of up to 250MHz, which allows for high data transmission performance.

• Connect network devices directly without additional components – enables point-to-point connection of compatible devices (crossover), e.g. for quick commissioning, service cases or temporary routes without a switch.
• Increase interference immunity in electromagnetically charged environments – double shielding (S/FTP) improves EMC reserve, reduces susceptibility to radiation and stabilizes transmission in parallel cable routing.
• 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.

Product Description
The S/FTP patch cable has a double shielding system, which effectively reduces electromagnetic interference. 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 >25 mm. The data cable is IP20 rated. 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

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Technical details
- Cat.6
- Connector: RJ45 8(8) to RJ45 8(8) with TM21 connectors
- Shielding: S/FTP cable with 4x2 x AWG26/7
- Cable shape: round
- Pinout: crossed according to typical crossover assignment (1-3, 2-6, 3-1, 4-7, 5-8, 6-2, 7-4, 8-5)
- Equivalent to PoE class: PoE to IEEE802.3af, PoE+ to IEEE802.3at, and 4PPoE to IEEE802.3bt
- Gold-plated contacts
- Sheath: LSZH sheath material
- Outer diameter: 5.9 mm
- With an attached anti-kink grommet
- Fire protection: flame-retardant according to IEC60332-1, halogen-free according to IEC60754-2
- Degree of protection: IP20
- With a punctual screen contact
- With locking lever protection
- Mating cycles: ≥750
- Brand: EFB-Elektronik

Technical properties	
AWG-size	26/7
Allocation	acc. TIA/EIA 568B
Anti-kink sleeve	put-on
Area of Application	Industrial Ethernet
Bandwidth	250MHz
Bending radius	>25 mm
Cable construction	4x2
Cable shape	rund
Cable type	S/FTP
Cabling standard	EN50173
Category	6
Colour anti-kink sleeve	red
Colour outer sheath	grey
Conductive shield	Selected shield contact
Conductor Material	Copper
Connector	IEC 60603-7-5
Connector type	TM21
Contacts	Gold plated
Current capacity	max. 1 A
Fire retardant version	acc. IEC60332-1
Halogen free	acc. IEC60754-2

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Harmonised Standard	EN 50575
Impedance	100
Length imprint	False
Locking lever	True
Material outer sheath	LSZH
Mating cycles	≥750
Model	shielded
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	crossed
Resistant to chemicals	False
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
K8066.0,50	RJ45 Patch Cord Cat.6 S/FTP LSZH Draka UC900 TM21red crossed grey 0,5m	0.5 m	PoE acc. to IEEE802.3af;PoE acc. to IEEE802.3at;4PPoE acc. to IEEE802.3bt	±5 %
K8066.1	RJ45 Patch Cord Cat.6 S/FTP LSZH Draka UC900 TM21red crossed grey 1m	1.0 m	PoE acc. to IEEE802.3af;PoE acc. to IEEE802.3at;4PPoE acc. to IEEE802.3bt	±5 %
K8066.10	RJ45 Patch Cord Cat.6 S/FTP LSZH Draka UC900 TM21red crossed grey 10m	10.0 m	PoE acc. to IEEE802.3af;PoE acc. to IEEE802.3at;4PPoE acc. to IEEE802.3bt	±5 %
K8066.15	RJ45 Patch Cord Cat.6 S/FTP LSZH Draka UC900 TM21red crossed grey 15m	15.0 m	PoE acc. to IEEE802.3af;PoE acc. to IEEE802.3at	±5 %
K8066.2	RJ45 Patch Cord Cat.6 S/FTP LSZH Draka UC900 TM21red crossed grey 2m	2.0 m	PoE acc. to IEEE802.3af;PoE acc. to IEEE802.3at;4PPoE acc. to IEEE802.3bt	±5 %
K8066.20	RJ45 Patch Cord Cat.6 S/FTP LSZH Draka UC900 TM21red crossed grey 20m	20.0 m	PoE acc. to IEEE802.3af;PoE acc. to IEEE802.3at	±5 %

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K8066.3	RJ45 Patch Cord Cat.6 S/FTP LSZH Draka UC900 TM21red crossed grey 3m	3.0 m	PoE acc. to IEEE802.3af;PoE acc. to IEEE802.3at;4PPoE acc. to IEEE802.3bt	±5 %
K8066.5	RJ45 Patch Cord Cat.6 S/FTP LSZH Draka UC900 TM21red crossed grey 5m	5.0 m	PoE acc. to IEEE802.3af;PoE acc. to IEEE802.3at;4PPoE acc. to IEEE802.3bt	±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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