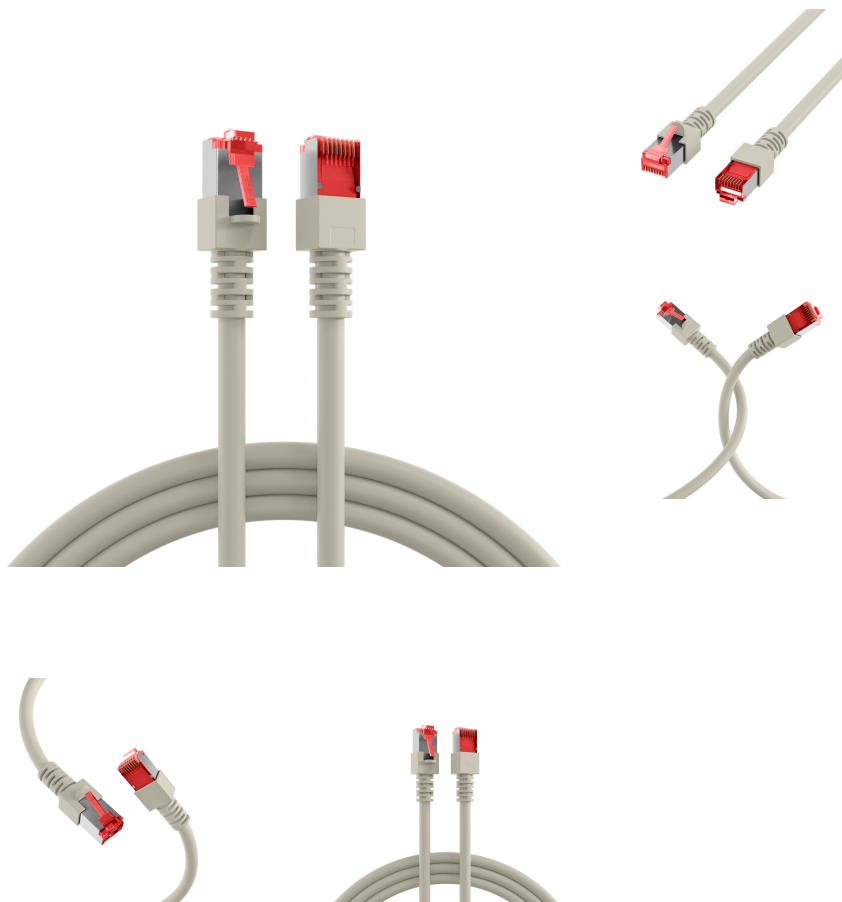


DATASHEET

RJ45 Patch Cord Cat.6 S/FTP LSZH grey



General data

RJ45 patch cable Cat.6 S/FTP LSZH

The Cat.6 patch cable meets the requirements for 5Gbit Ethernet and has gold-plated contacts.

Technical product features

- Cat.6
- S/FTP cable with AWG27/7
- Sheath material made of halogen-free LSZH
- Fire protection: flame-retardant, halogen-free, low smoke
- Plug connection: RJ45 to RJ45
- With locking lever protection
- 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

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DATASHEET

RJ45 Patch Cord Cat.6 S/FTP LSZH grey

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 RJ45 plugs is according to TIA/EIA 568B and is 1:1 . Suitable for the temperature range 0 - 60 °C.

The LAN cable has a conductor material made of copper and is ideal for use in structured building cabling, industrial Ethernet and in data centers. This achieves a bandwidth of 250 MHz.

Technical properties	
AWG-size	27/7
Allocation	acc. TIA/EIA 568B
Anti-kink sleeve	moulded-on
Area of application	Data center
Bending radius	>31 mm
Cable construction	4x2
Cable shape	rund
Cable type	S/FTP
Cabling standard	ANSI/TIA-568
Category	6
Colour anti-kink sleeve	grey
Colour outer sheath	grey
Conductive shield	Selected shield contact
Conductor Material	Copper
Conductor resistance DC	185 Ω/km
Connector	IEC 60603-7-5
Connector type	RJ45 standard
Contact Resistance	30 mΩ
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
Insulation Resistance	10 MΩ
Jacket material	LSZH
Length imprint	True
Locking lever	True
Loop resistance	370 Ω/km

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DATASHEET

RJ45 Patch Cord Cat.6 S/FTP LSZH grey

Low smoke	acc. IEC61034
Mating cycles	≥750
Model	shielded
Oil resistant	no
Operating Temperature	0 - 60 °C
Operating-/ tempering voltage	max. 50 V DC
Outer diameter of the cable	6.2 mm
Ozone resistance	No
Pin assignment	1:1
Printing	Cat.6 S/FTP 4x2xAWG27/7 PIMF ISO/IEC 11801 & EN50173-1 TIA/EIA 568B.2-1 Halogen Free ***Gigabit*** www.efb-elektronik.de
Resistance unbalance	5 %
Resistant to chemicals	False
Silicone-free	True
Suitable for degree of protection (IP)	IP20
Tape width	250MHz
Temperature Range (Installation)	-20 - 60
Temperature Range (Operation)	-20 - 75
Temperature Range (Storage)	-20 - 60
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	no

Available variants

ArtNr.	Bezeichnung	Length POE class		Length tolerance
K5510.0,15	RJ45 Patch Cord Cat.6 S/FTP LSZH grey 0,15m	0.15 m	PoE acc. to IEEE802.3af;PoE acc. to IEEE802.3at;4PPoE acc. to IEEE802.3bt	±5 %
K5510.0,25	RJ45 Patch Cord Cat.6 S/FTP LSZH grey 0,25m	0.25 m	PoE acc. to IEEE802.3af;PoE acc. to IEEE802.3at;4PPoE acc. to IEEE802.3bt	±5 %
K5510.0,5	RJ45 Patch Cord Cat.6 S/FTP LSZH grey 0,5m	0.5 m	PoE acc. to IEEE802.3af;PoE acc. to IEEE802.3at;4PPoE acc. to IEEE802.3bt	±5 %
K5510.0,75	RJ45 Patch Cord Cat.6 S/FTP LSZH grey 0,75m	0.75 m	PoE acc. to IEEE802.3af;PoE acc. to IEEE802.3at;4PPoE acc. to IEEE802.3bt	±5 %

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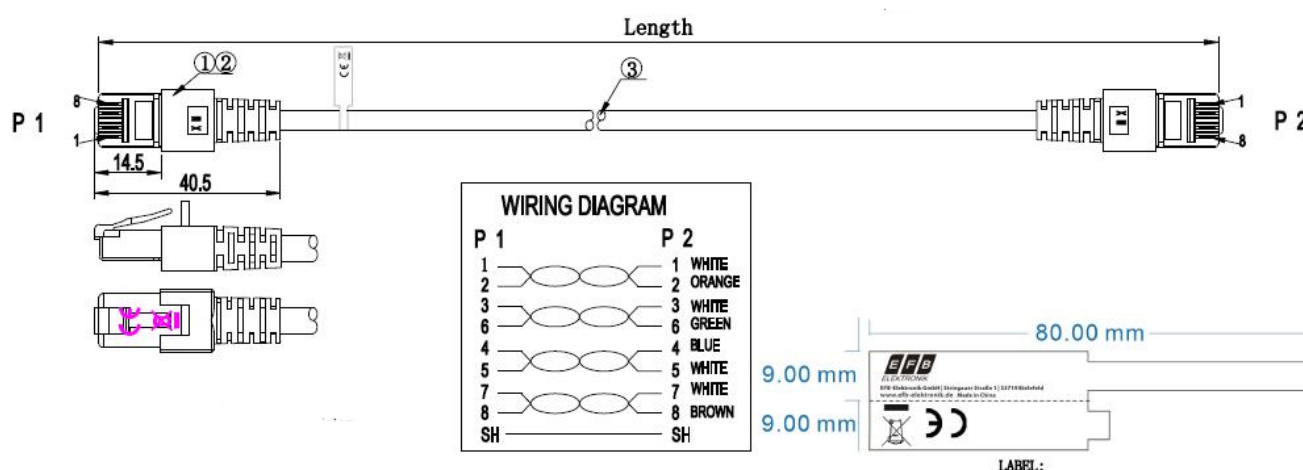


DATASHEET

RJ45 Patch Cord Cat.6 S/FTP LSZH grey

K5510.1	RJ45 Patch Cord Cat.6 S/FTP LSZH grey 1m	1.0 m	PoE acc. to IEEE802.3af;PoE acc. to IEEE802.3at;4PPoE acc. to IEEE802.3bt	±5 %
K5510.1,5	RJ45 Patch Cord Cat.6 S/FTP LSZH grey 1,5m	1.5 m	PoE acc. to IEEE802.3af;PoE acc. to IEEE802.3at;4PPoE acc. to IEEE802.3bt	±5 %
K5510.2	RJ45 Patch Cord Cat.6 S/FTP LSZH grey 2m	2.0 m	PoE acc. to IEEE802.3af;PoE acc. to IEEE802.3at;4PPoE acc. to IEEE802.3bt	±5 %
K5510.3	RJ45 Patch Cord Cat.6 S/FTP LSZH grey 3m	3.0 m	PoE acc. to IEEE802.3af;PoE acc. to IEEE802.3at;4PPoE acc. to IEEE802.3bt	±5 %
K5510.5	RJ45 Patch Cord Cat.6 S/FTP LSZH grey 5m	5.0 m	PoE acc. to IEEE802.3af;PoE acc. to IEEE802.3at;4PPoE acc. to IEEE802.3bt	±5 %
K5510.7,5	RJ45 Patch Cord Cat.6 S/FTP LSZH grey 7,5m	7.5 m	PoE acc. to IEEE802.3af;PoE acc. to IEEE802.3at;4PPoE acc. to IEEE802.3bt	±5 %
K5510.10	RJ45 Patch Cord Cat.6 S/FTP LSZH grey 10m	10.0 m	PoE acc. to IEEE802.3af;PoE acc. to IEEE802.3at;4PPoE acc. to IEEE802.3bt	±5 %
K5510.15	RJ45 Patch Cord Cat.6 S/FTP LSZH grey 15m	15.0 m	PoE acc. to IEEE802.3af;PoE acc. to IEEE802.3at	±5 %
K5510.20	RJ45 Patch Cord Cat.6 S/FTP LSZH grey 20m	20.0 m	PoE acc. to IEEE802.3af;PoE acc. to IEEE802.3at	±5 %
K5510.25	RJ45 Patch Cord Cat.6 S/FTP LSZH grey 25m	25.0 m	PoE acc. to IEEE802.3af	±5 %
K5510.30	RJ45 Patch Cord Cat.6 S/FTP LSZH grey 30m	30.0 m	PoE acc. to IEEE802.3af	±5 %
K5510.40	RJ45 Patch Cord Cat.6 S/FTP LSZH grey 40m	40.0 m	No	±5 %
K5510.50	RJ45 Patch Cord Cat.6 S/FTP LSZH grey 50m	50.0 m	No	±5 %

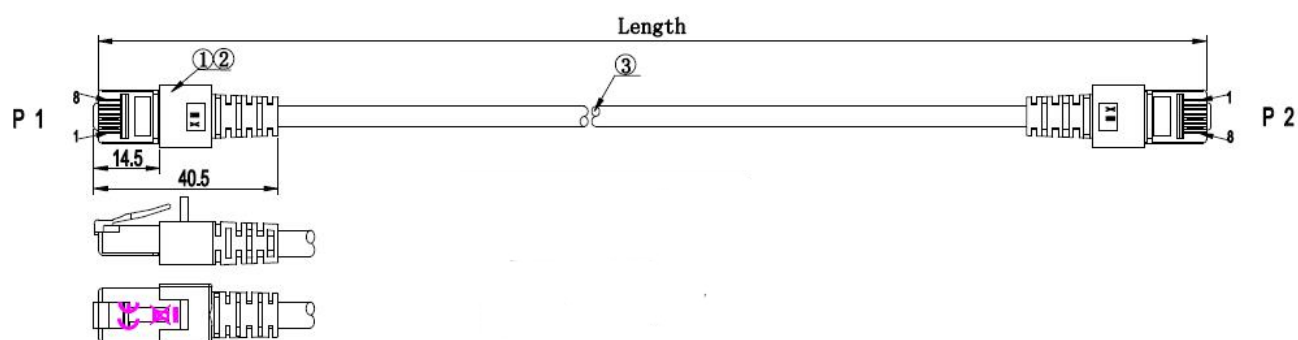
Drawings



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0,15m / 0,25m

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