

DATASHEET

RJ45 Patch Cord Cat.8.1 S/FTP LSZH BC black 10m



General data

RJ45 patch cable Cat.8.1 S/FTP LSZH BC

The Cat.8.1 patch cable enables 25Gbit and 40Gbit Ethernet as a transmission standard and has gold-plated contacts.

Technical product properties

- Cat.8.1
- S/FTP cable with AWG24/7
- Jacket material made of halogen-free LSZH
- Plug connection: RJ45 to RJ45
- With locking lever protection
- Has gold-plated contacts

The jacket of the shielded The patch cable is made of halogen-free LSZH material and has a length print 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 RJ45 plugs is according to TIA/EIA 568B and is 1: 1. Suitable for the temperature range 0 - 60 °C.

The network cable has a conductor material made of copper and is ideal for use in structured building cabling,

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industrial Ethernet and in data centers. This enables a bandwidth of 2000 MHz.

Technical properties

AWG-size	24/7
Allocation	acc. TIA/EIA 568B
Anti-kink sleeve	moulded-on
Area of application	Data center
Bending radius	>40 mm
Cable construction	4x2
Cable shape	rund
Cable type	S/FTP
Cabling standard	ANSI/TIA-568
Category	8.1
Colour anti-kink sleeve	black
Colour outer sheath	black
Conductive shield	Selected shield contact
Conductor Material	Copper
Connector	IEC 60603-7-81
Connector type	RJ45 standard
Contact Resistance	5 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 ±15 Ω
Insulation Resistance	10 MΩ
Jacket material	LSZH
Length imprint	True
Locking lever	True
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	8 mm
Ozone resistance	No
Pin assignment	1:1

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DATASHEET

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Printing	CAT8 S/FTP 4x2x24AWG/7 LSZH 2000MHz ISO11801
Resistant to chemicals	False
Suitable for degree of protection (IP)	IP20
Tape width	2000MHz
Test voltage	1000 (V DC, 1min) core/core und core/screen
Transmission	40Gbit
Type of connector connection 1	RJ45 8(8)
Type of connector connection 2	RJ45 8(8)
UL approbated	False
UV resistant	no

Available variants

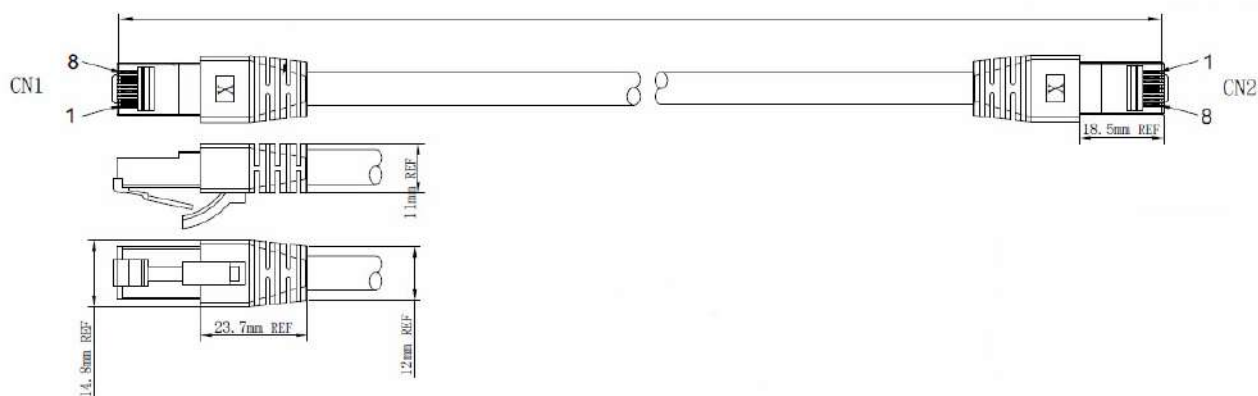
ArtNr.	Bezeichnung	Length POE class		Length tolerance
K5528SW.0,5	RJ45 Patch Cord Cat.8.1 S/FTP LSZH BC black 0,5m	0.5 m	PoE acc. to IEEE802.3af;PoE+ acc. to IEEE802.3at;4PPoE acc. to IEEE802.3bt	±5 %
K5528SW.1	RJ45 Patch Cord Cat.8.1 S/FTP LSZH BC black 1m	1.0 m	PoE acc. to IEEE802.3af;PoE+ acc. to IEEE802.3at;4PPoE acc. to IEEE802.3bt	±5 %
K5528SW.2	RJ45 Patch Cord Cat.8.1 S/FTP LSZH BC black 2m	2.0 m	PoE acc. to IEEE802.3af;PoE+ acc. to IEEE802.3at;4PPoE acc. to IEEE802.3bt	±5 %
K5528SW.3	RJ45 Patch Cord Cat.8.1 S/FTP LSZH BC black 3m	3.0 m	PoE acc. to IEEE802.3af;PoE+ acc. to IEEE802.3at;4PPoE acc. to IEEE802.3bt	±5 %
K5528SW.5	RJ45 Patch Cord Cat.8.1 S/FTP LSZH BC black 5m	5.0 m	PoE acc. to IEEE802.3af;PoE+ acc. to IEEE802.3at;4PPoE acc. to IEEE802.3bt	±5 %
K5528SW.7,5	RJ45 Patch Cord Cat.8.1 S/FTP LSZH BC black 7,5m	7.5 m	PoE acc. to IEEE802.3af;PoE+ acc. to IEEE802.3at;4PPoE acc. to IEEE802.3bt	±5 %
K5528SW.10	RJ45 Patch Cord Cat.8.1 S/FTP LSZH BC black 10m	10.0 m	PoE acc. to IEEE802.3af;PoE+ acc. to IEEE802.3at;4PPoE acc. to IEEE802.3bt	±5 %

Drawings

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