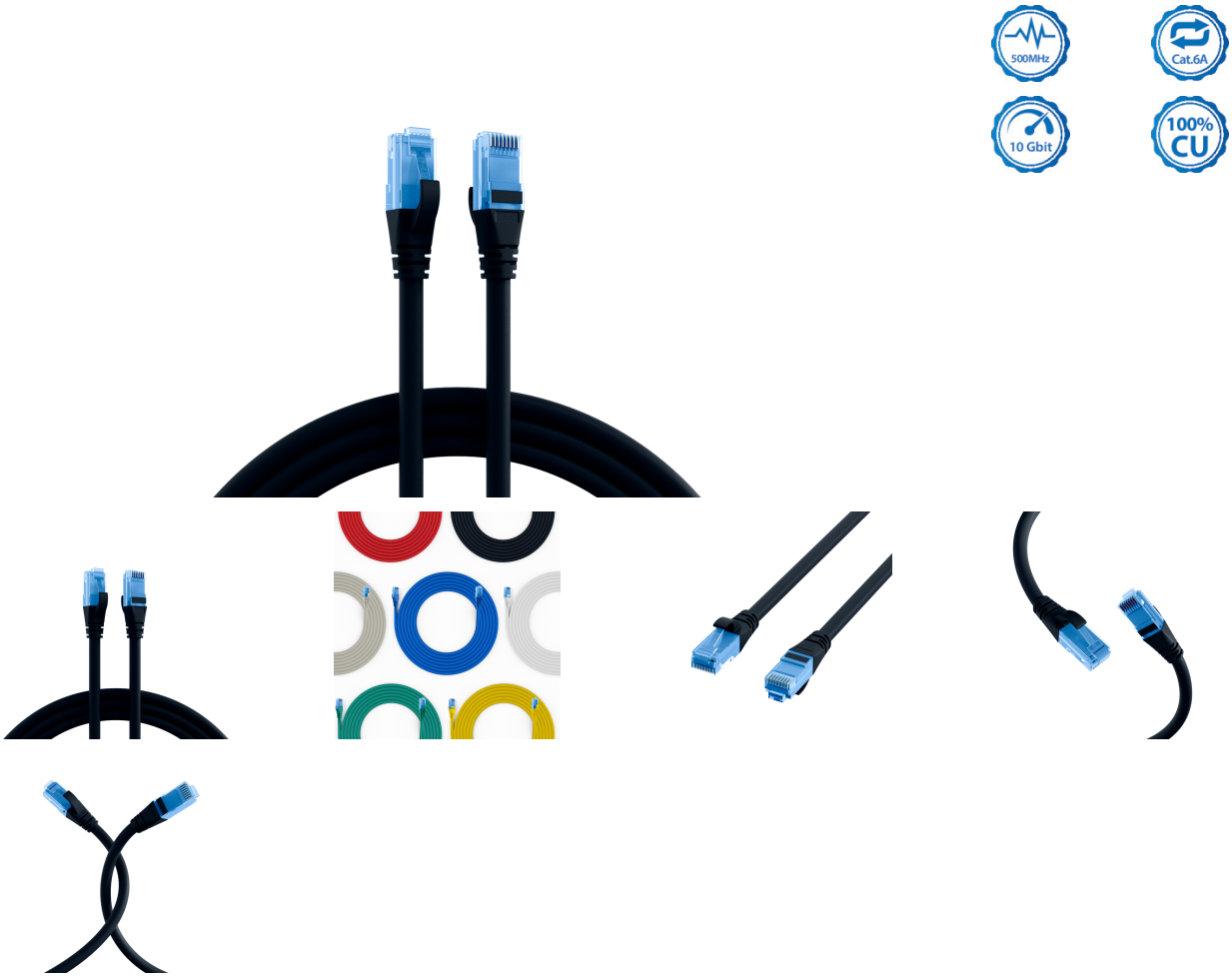
DATASHEET

RJ45 Patch Cord Cat.6A U/UTP LSZH Premium 500MHz black 10m



General data

RJ45 patch cable Cat.6A U/UTP LSZH Premium 500MHz

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

Technical product features
- Cat. 6A (TIA)
- U/UTP cable with AWG24/7
- Jacket material made of halogen-free LSZH
- Fire protection: flame-retardant, halogen-free, low smoke
- Plug connection: RJ45 to RJ45
- With locking lever protection

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• Has gold-plated contacts

The jacket of the 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 blue 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 applications in structured building cabling and in data centers. This enables a bandwidth of 500 MHz.

Technical properties	
AWG-size	24/7
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	U/UTP
Cabling standard	EN50173
Category	6A (TIA)
Colour anti-kink sleeve	black
Colour outer sheath	black
Conductive shield	No
Conductor Material	Copper
Connector	IEC 60603-7-41
Connector type	RJ45 standard blue
Contacts	Gold plated
Current capacity	max. 1 A
Fire retardant version	acc. IEC60332-1
Halogen free	acc. IEC60754-2
Impedance	100
Length imprint	True
Locking lever	True
Low smoke	acc. IEC61034
Material outer sheath	LSZH

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Mating cycles	≥750
Model	unshielded
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 PREMIUM Patchcord U/UTP 4x2xAWG24/7 ISO/IEC11801 TIA/EIA-568-C.2 ***10Gigabit Ethernet***
Resistant to chemicals	False
Suitable for degree of protection (IP)	IP20
Test voltage	1000 (V DC, 1min) core/core und core/screen
Transmission	10Gbit
Type of connector connection 1	RJ45 8(8)
Type of connector connection 2	RJ45 8(8)

Available variants

ArtNr.	Bezeichnung	Length	POE class	Length tolerance
K8109SW.0,25	RJ45 Patch Cord Cat.6A U/UTP LSZH Premium 500MHz black 0,25m	0.25 m	PoE acc. to IEEE802.3af;PoE+ acc. to IEEE802.3at;4PPoE acc. to IEEE802.3bt	±5 %
K8109SW.0,5	RJ45 Patch Cord Cat.6A U/UTP LSZH Premium 500MHz black 0,5m	0.5 m	PoE acc. to IEEE802.3af;PoE+ acc. to IEEE802.3at;4PPoE acc. to IEEE802.3bt	±5 %
K8109SW.1	RJ45 Patch Cord Cat.6A U/UTP LSZH Premium 500MHz black 1m	1.0 m	PoE acc. to IEEE802.3af;PoE+ acc. to IEEE802.3at;4PPoE acc. to IEEE802.3bt	±5 %
K8109SW.1,5	RJ45 Patch Cord Cat.6A U/UTP LSZH Premium 500MHz black 1,5m	1.5 m	PoE acc. to IEEE802.3af;PoE+ acc. to IEEE802.3at;4PPoE acc. to IEEE802.3bt	±5 %
K8109SW.10	RJ45 Patch Cord Cat.6A U/UTP LSZH Premium 500MHz black 10m	10.0 m	PoE acc. to IEEE802.3af;PoE+ acc. to IEEE802.3at;4PPoE acc. to IEEE802.3bt	±5 %
K8109SW.15	RJ45 Patch Cord Cat.6A U/UTP LSZH Premium 500MHz black 15m	15.0 m	PoE acc. to IEEE802.3af;PoE+ acc. to IEEE802.3at;4PPoE acc. to IEEE802.3bt	±5 %
K8109SW.2	RJ45 Patch Cord Cat.6A U/UTP LSZH Premium 500MHz black 2m	2.0 m	PoE acc. to IEEE802.3af;PoE+ acc. to IEEE802.3at;4PPoE acc. to IEEE802.3bt	±5 %
K8109SW.5	RJ45 Patch Cord Cat.6A U/UTP LSZH Premium 500MHz black 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

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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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