

DATASHEET

RJ45 Patch Cord Cat.6A U/UTP LSZH Premium 500MHz grey 0,15m



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

This datasheet was created automatically on 18-10-2024 . Technical changes reserved.

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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.

Allgemeine Daten

Model	Unshielded
Suitable for degree of protection (IP)	IP20
Fire retardant version	True
Jacket Material	LSZH
AWG-size	24/7
Length imprint	True

General data

Connector type	RJ45 Standard blue
Pin assignment	1:1
Locking lever	True
Colour anti-kink sleeve	grey
Allocation	acc. TIA/EIA 568B
Cable type	U/UTP
Area of Application	Structured cabling
Colour outer sheath	grey
Anti-kink sleeve	plugged in
Contacts	50 µ" gold plated
Halogen free	True
Category	6A (TIA)

Mechanical characteristics

Bending radius	30 mm
Mating cycles	2000

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Cable construction

Conductor Material	Copper
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Kabelaufbau

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

Cable sheath

Low smoke	True
Oil resistant (according to EN 60811-404)	False
Flame retardant	acc. IEC60332-1

Kabelmantel

Halogen-free	True
Outer diameter of the cable	6.0 mm
Printing	Cat.6A PREMIUM Patchcord U/UTP 4x2xAWG24/7 ISO/IEC11801 TIA/EIA-568-C.2 ***10Gigabit Ethernet***

Environmental conditions

Temperature range	0 - 60 °C
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Electrical characteristics

NVP value	- %
POE class	PoE+ acc. to IEEE802.3at
Current Rating	max. 1 A

Elektrische Eigenschaften

Operating-/ tempering voltage	max. 50 V DC
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Übertragungstechnische Eigenschaften

Transmission	10Gbit
Bandwidth	500MHz

Standards, approvals, certifications

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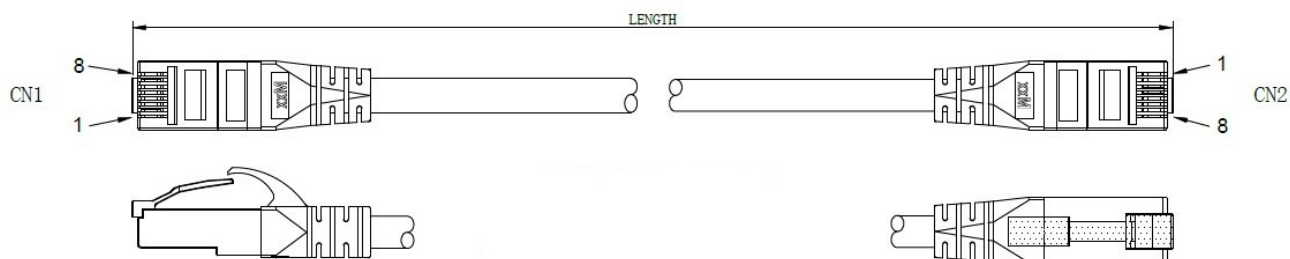
RJ45 Patch Cord Cat.6A U/UTP LSZH Premium 500MHz grey 0,15m

Cabling standard	EN50173
Connector	IEC 60603-7-41
Oil resistant (acc. EN 60811-2-1)	False

Available variants

ArtNr.	Bezeichnung	Length	Längentoleranz
K8109GR.0,15	RJ45 Patch Cord Cat.6A U/UTP LSZH Premium 500MHz grey 0,15m	0.15 m	±5 %
K8109GR.0,25	RJ45 Patch Cord Cat.6A U/UTP LSZH Premium 500MHz grey 0,25m	0.25 m	±5 %
K8109GR.0,5	RJ45 Patch Cord Cat.6A U/UTP LSZH Premium 500MHz grey 0,5m	0.5 m	±5 %
K8109GR.1	RJ45 Patch Cord Cat.6A U/UTP LSZH Premium 500MHz grey 1m	1.0 m	±5 %
K8109GR.1,5	RJ45 Patch Cord Cat.6A U/UTP LSZH Premium 500MHz grey 1,5m	1.5 m	±5 %
K8109GR.2	RJ45 Patch Cord Cat.6A U/UTP LSZH Premium 500MHz grey 2m	2.0 m	±5 %
K8109GR.3	RJ45 Patch Cord Cat.6A U/UTP LSZH Premium 500MHz grey 3m	3.0 m	±5 %
K8109GR.5	RJ45 Patch Cord Cat.6A U/UTP LSZH Premium 500MHz grey 5m	5.0 m	±5 %
K8109GR.7,5	RJ45 Patch Cord Cat.6A U/UTP LSZH Premium 500MHz grey 7,5m	7.5 m	±5 %
K8109GR.10	RJ45 Patch Cord Cat.6A U/UTP LSZH Premium 500MHz grey 10m	10.0 m	±5 %
K8109GR.15	RJ45 Patch Cord Cat.6A U/UTP LSZH Premium 500MHz grey 15m	15.0 m	±5 %

Drawings



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