

DATASHEET

RJ45 Patch Cord Cat.6 U/UTP LSZH CCA grey



General data

RJ45 patch cable Cat.6 U/UTP LSZH CCA

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

Technical product features

- Cat.6
- 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
- Has gold-plated contacts
- ANSI/TIA-568
- EN50173
- ISO/IEC 11801

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WIR SORGEN FÜR VERBINDUNG
WE CARE FOR CONNECTION



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The jacket of the patch cable is made of halogen-free LSZH material. The cable also 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 1:1 and follows TIA/EIA 568B .

The data cable has a conductor material made of CCA and is ideal for applications in structured building cabling, industrial Ethernet and data centers. The frequency range is up to 250 MHz.

Allgemeine Daten

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

General data

Pin assignment	1:1
Locking lever	True
Colour anti-kink sleeve	grey
Allocation	acc. TIA/EIA 568B
Cable type	U/UTP
Colour outer sheath	grey
Contacts	Gold plated µ" gold plated
Anti-kink sleeve	moulded-on
Area of Application	Industrial Ethernet
(Halogenfree)	True
Bending radius	>30 mm
Connector type	RJ45 standard
Category	6

Mechanical characteristics

Conductive shield	No
Mating cycles	≥750

Cable construction

Conductor Material	CCA
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Kabelaufbau

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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
Oil resistant	No
Jacket Material	LSZH
Silicone-free	True

Kabelmantel

Halogen-free	acc. IEC60754-2
Printing	Cat.6 UTP AWG24 stranded x 4pairs cable www.efb-elektronik.de
Ozone resistance	No
Outer diameter of the cable	5.9 mm
Resistant to chemicals	False

Electrical characteristics

NVP value	0 %
Impedance	100
Current Rating	max. 1 A

Elektrische Eigenschaften

Test voltage	1000 (V DC, 1min) core/core und core/screen
Operating-/ tempering voltage	max. 50 V DC

Übertragungstechnische Eigenschaften

Bandwidth	250MHz
Transmission	5Gbit

Standards, approvals, certifications

Cabling Standard	EN50173
Connector	IEC 60603-7-4

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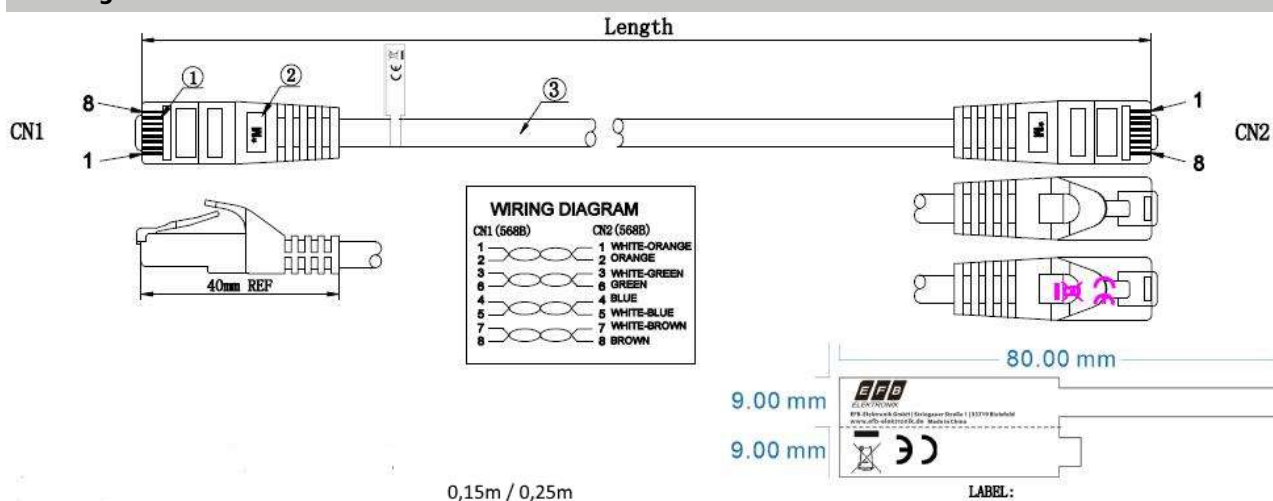
Oil resistant (acc. EN 60811-2-1)

False

Available variants

ArtNr.	Bezeichnung	Length	POE Klasse	Längentoleranz
K8104GR.0,25	RJ45 Patch Cord Cat.6 U/UTP LSZH CCA grey 0,25m	0.25 m	Nein	±5 %
K8104GR.0,5	RJ45 Patch Cord Cat.6 U/UTP LSZH CCA grey 0,5m	0.5 m	Nein	±5 %
K8104GR.1	RJ45 Patch Cord Cat.6 U/UTP LSZH CCA grey 1m	1.0 m	Nein	±5 %
K8104GR.1,5	RJ45 Patch Cord Cat.6 U/UTP LSZH CCA grey 1,5m	1.5 m	Nein	±5 %
K8104GR.2	RJ45 Patch Cord Cat.6 U/UTP LSZH CCA grey 2m	2.0 m	Nein	±5 %
K8104GR.3	RJ45 Patch Cord Cat.6 U/UTP LSZH CCA grey 3m	3.0 m	Nein	±5 %
K8104GR.5	RJ45 Patch Cord Cat.6 U/UTP LSZH CCA grey 5m	5.0 m	Nein	±5 %
K8104GR.7,5	RJ45 Patch Cord Cat.6 U/UTP LSZH CCA grey 7,5m	7.5 m	Nein	±5 %
K8104GR.10	RJ45 Patch Cord Cat.6 U/UTP LSZH CCA grey 10m	10.0 m	Nein	±5 %
K8104GR.15	RJ45 Patch Cord Cat.6 U/UTP LSZH CCA grey 15m	15.0 m	Nein	±5 %
K8104GR.20	RJ45 Patch Cord Cat.6 U/UTP LSZH CCA grey 20m	20.0 m	Nein	±5 %
K8104GR.25	RJ45 Patch Cord Cat.6 U/UTP LSZH CCA grey 25m	25.0 m	Nein	±5 %
K8104GR.30	RJ45 Patch Cord Cat.6 U/UTP LSZH CCA grey 30m	30.0 m	Nein	±5 %
K8104GR.50	RJ45 Patch Cord Cat.6 U/UTP LSZH CCA grey 50m	50.0 m	Nein	±5 %

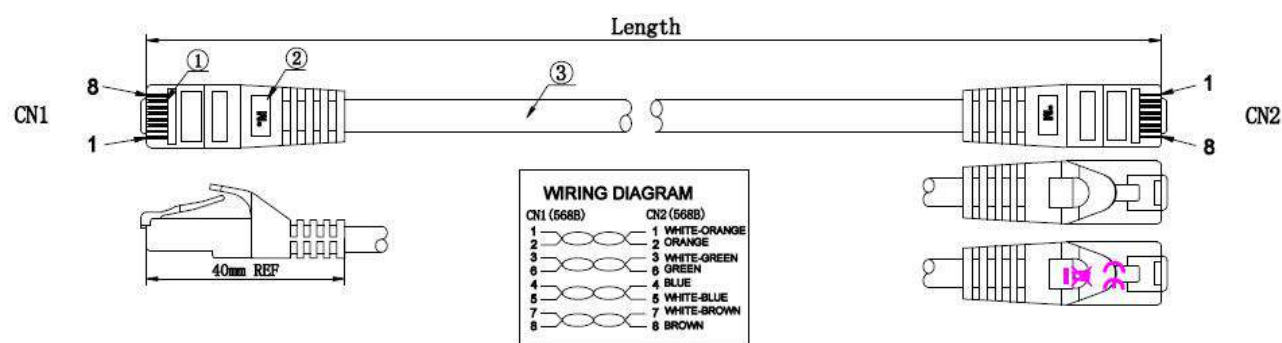
Drawings



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