DATASHEET

RJ45 Patch Cord Cat.6A S/FTP FRNC VC LED yellow 15m



General data

RJ45 patch cable Cat.6A S/FTP FRNC VC LED

The Cat.6A (TIA) patch cable has gold-plated contacts and enables 10Gbit Ethernet as a transmission standard.

Technical product properties
• Cat.6A (TIA)
• S/FTP cable with AWG26/7
• Jacket material made of halogen-free LSZH
• Fire protection: flame-retardant, halogen-free, low smoke
• Plug connection: RJ45 to RJ45
• With locking lever protection< br>• 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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grommet. 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 RJ45 LED connector makes it easy to track the cable route. The assignment is according to TIA/EIA 568B and is 1:1.

The LAN cable has a conductor material made of copper and is ideal for applications in structured building cabling, industrial Ethernet and in data centers. The bandwidth is up to 500 MHz.

Technical properties	
AWG-size	26/7
Allocation	acc. TIA/EIA 568B
Anti-kink sleeve	put-on
Area of application	Data center
Bandwidth	500MHz
Bending radius	>20 mm
Cable construction	4x2
Cable type	S/FTP
Cabling standard	ANSI/TIA-568
Category	6A (TIA)
Colour anti-kink sleeve	white
Colour outer sheath	yellow
Conductive shield	360° shield contact
Conductor Material	Copper
Conductor resistance DC	165 Ω/km
Connector	IEC 60603-7-51
Connector type	RJ45 LED
Contacts	Gold plated
Current capacity	max. 1 A
Fire retardant version	acc. IEC60332-3
Halogen free	acc. IEC60754-2
Impedance	100 ±15 Ω
Insulation Resistance	> 5000 MΩ
Length imprint	True
Locking lever	True
Loop resistance	330 Ω/km
Low smoke	acc. IEC61034
Material outer sheath	LSZH
Mating cycles	≥750

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Model	shielded
NVP value	0 %
Oil resistant	no
Operating-/ tempering voltage	max. 50 V DC
Outer diameter of the cable	6.2 mm
Ozone resistance	No
Pin assignment	1:1
Resistant to chemicals	False
Suitable for degree of protection (IP)	IP20
Temperature Range (Installation)	0 – 50 °C
Temperature Range (Operation)	-25 – 60 °C
Test voltage	1000 (V DC, 1min) core/core und core/screen
Total screening	65 %
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
DCK1001GE.0,5	RJ45 Patch Cord Cat.6A S/FTP FRNC VC LED yellow 0,5m	0.5 m	PoE acc. to IEEE802.3af;PoE+ acc. to IEEE802.3at;4PPoE acc. to IEEE802.3bt	±5 %
DCK1001GE.15	RJ45 Patch Cord Cat.6A S/FTP FRNC VC LED yellow 15m	15.0 m	PoE acc. to IEEE802.3af;PoE+ acc. to IEEE802.3at;4PPoE acc. to IEEE802.3bt	±5 %
DCK1001GE.20	RJ45 Patch Cord Cat.6A S/FTP FRNC VC LED yellow 20m	20.0 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 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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