

DATASHEET

RJ45 Patch Cord Cat.6A S/FTP FRNC VC LED white 1m



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
- 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
Bending radius	>20 mm
Cable construction	4x2
Cable shape	round
Cable type	S/FTP
Cabling standard	ANSI/TIA-568
Category	6A (TIA)
Colour anti-kink sleeve	white
Colour outer sheath	white
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
Harmonised Standard	EN 50575
Impedance	100 ±15 Ω
Insulation Resistance	> 5000 MΩ
Jacket material	LSZH
Length imprint	True
Locking lever	True
Loop resistance	330 Ω/km
Low smoke	acc. IEC61034

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Mating cycles	≥750
Model	shielded
Oil resistant	no
Operating Temperature	-20 – 60 °C
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
Tape width	500MHz
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)
UL approbated	False
UV resistant	no

Available variants

ArtNr.	Bezeichnung	Length POE class		Length tolerance
DCK1001WS.1	RJ45 Patch Cord Cat.6A S/FTP FRNC VC LED white 1m	1.0 m	PoE acc. to IEEE802.3af;PoE+ acc. to IEEE802.3at;4PPoE acc. to IEEE802.3bt	±5 %
DCK1001WS.2	RJ45 Patch Cord Cat.6A S/FTP FRNC VC LED white 2m	2.0 m	PoE acc. to IEEE802.3af;PoE+ acc. to IEEE802.3at;4PPoE acc. to IEEE802.3bt	±5 %
DCK1001WS.3	RJ45 Patch Cord Cat.6A S/FTP FRNC VC LED white 3m	3.0 m	PoE acc. to IEEE802.3af;PoE+ acc. to IEEE802.3at;4PPoE acc. to IEEE802.3bt	±5 %
DCK1001WS.5	RJ45 Patch Cord Cat.6A S/FTP FRNC VC LED white 5m	5.0 m	PoE acc. to IEEE802.3af;PoE+ acc. to IEEE802.3at;4PPoE acc. to IEEE802.3bt	±5 %
DCK1001WS.0,5	RJ45 Patch Cord Cat.6A S/FTP FRNC VC LED white 0.5m	0.5 m	PoE acc. to IEEE802.3af;PoE+ acc. to IEEE802.3at;4PPoE acc. to IEEE802.3bt	±5 %
DCK1001WS.1,5	RJ45 Patch Cord Cat.6A S/FTP FRNC VC LED white 1.5m	1.5 m	PoE acc. to IEEE802.3af;PoE+ acc. to IEEE802.3at;4PPoE acc. to IEEE802.3bt	±5 %
DCK1001WS.10	RJ45 Patch Cord Cat.6A S/FTP FRNC VC LED white 10m	10.0 m	PoE acc. to IEEE802.3af;PoE+ acc. to IEEE802.3at;4PPoE acc. to IEEE802.3bt	±5 %

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DCK1001WS.15	RJ45 Patch Cord Cat.6A S/FTP FRNC VC LED white 15m	15.0 m	PoE acc. to IEEE802.3af;PoE+ acc. to IEEE802.3at;4PPoE acc. to IEEE802.3bt	±5 %
DCK1001WS.20	RJ45 Patch Cord Cat.6A S/FTP FRNC VC LED white 20m	20.0 m	PoE acc. to IEEE802.3af;PoE+ acc. to IEEE802.3at;4PPoE acc. to IEEE802.3bt	±5 %
DCK1001WS.30	RJ45 Patch Cord Cat.6A S/FTP FRNC VC LED white 30m	30.0 m	PoE acc. to IEEE802.3af;PoE+ acc. to IEEE802.3at;4PPoE acc. to IEEE802.3bt	±5 %
DCK1001WS.7,5	RJ45 Patch Cord Cat.6A S/FTP FRNC VC LED white 7.5m	7.5 m	PoE acc. to IEEE802.3af;PoE+ acc. to IEEE802.3at;4PPoE acc. to IEEE802.3bt	±5 %

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