DATASHEET

RJ45 Patch cable S/FTP, Cat.6A, VC LED, black



Cat.6A | 10 Gbit | 500 MHz | 100% CU | LED | CE

Description

The shielded Cat.6A RJ45 patch cable provides excellent performance for **10 Gigabit Ethernet** applications. With the help of a detector (Art.-Nr. DC10001 oder DC10001USB) **light emitting diodes** are excited in both RJ45 plugs of the patch cable. The **illuminated RJ45 plugs** make it easy to **track the cable path**.

Cross section 4 x 2 x AWG26/7
Length imprint on the grommet

General data	
Category	6A (TIA)
Type of connector connection 1	RJ45 8(8)
Type of connector connection 2	RJ45 8(8)
Connector type	RJ45 LED
Pin assignment	1:1
Allocation	acc. TIA/EIA 568B
Type	Shielded
Length imprint	yes
Anti-kink sleeve	put-on
Colour anti-kink sleeve	black
Locking lever	yes

Mechanical characteristics	
Bending radius	>20 mm
Conductive shield	360° shield contact

Cable construction	
Cable structure	S/FTP

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Cable construction	
Total screening	>65 %
Cable construction	4x2
AWG-size/strands per core	26/7
Conductor Material	Copper

Cable sheath	
Jacket material	LSZH
Colour outer sheath	black
Outer diameter of the cable	6.2 mm
Flame-retardant	acc. IEC60332-3
Halogen-free	acc. IEC60754-2
Low smoke	acc. IEC61034

Environmental conditions	
Temperature Range (Operation)	-25 – 60 °C
Temperature Range (Installation)	0 – 50 °C

Electrical characteristics	
NVP value	- %
Impedance	100 ±15 Ω
Conductor resistance DC	165 Ω/km
Loop resistance	330 Ω/km
Insulation resistance	> 5000 MΩ

Transmission characteristics	
Bandwidth	500MHz

Standards, approvals, certifications	
Connector	IEC 60603-7-51

Available variants

Article no.	Title	Length
DCK1001SW.1	RJ45 Patch cable S/FTP, Cat.6A, VC LED, 1m, black	1.0 m
DCK1001SW.2	RJ45 Patch cable S/FTP, Cat.6A, VC LED, 2m, black	2.0 m
DCK1001SW.3	RJ45 Patch cable S/FTP, Cat.6A, VC LED, 3m, black	3.0 m
DCK1001SW.5	RJ45 Patch cable S/FTP, Cat.6A, VC LED, 5m, black	5.0 m
DCK1001SW.10	RJ45 Patch cable S/FTP, Cat.6A, VC LED, 10m, black	10.0 m

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DCK1001SW.15	RJ45 Patch cable S/FTP, Cat.6A, VC LED, 15m, black	15.0 m

accessory	
DC10001USB	Detector, activates LED in LED Patch Cable
DC10002	Accessory for LED Patch Cable Detector
DC10001	LED Detector

similar product	
DCK1001RT.1	RJ45 Patch cable S/FTP, Cat.6A, VC LED, red
DCK1001GN.1	RJ45 Patch cable S/FTP, Cat.6A, VC LED, green
DCK1001GE.1	RJ45 Patch cable S/FTP, Cat.6A, VC LED, yellow
DCK1001BL.1	RJ45 Patch cable S/FTP, Cat.6A, VC LED, blue
DCK1001WS.1	RJ45 Patch cable S/FTP, Cat.6A, VC LED, white
DCK1001GR.1	RJ45 Patch cable S/FTP, Cat.6A, VC LED, grey

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