

DATASHEET

RJ45 patch cable extension Cat.6A, S/FTP, AWG26, black

10 Gbit

500 MHz

Cat.6A



Description

Shielded RJ45 patch cable extension Cat.6A for transmissions according to ISO11801 for up to 10Gbit/s.

You have already installed a patch cable in your study/office. Previously, the cable was sufficient up to your device, but now that the office has been remodelled, it is no longer sufficient. Instead of replacing the entire patch cable because it has been laid at great expense, simply connect the RJ45 patch cable extension in the length that suits you to your end device.

In addition, the short version of the patch cable extension can be used to protect your device connections. Especially in the home office, with a lot of assembly and disassembly of the e.g. notebook, the socket of the notebook is heavily stressed. This can be circumvented by "interposing" the patch cable extension, because here you are then stressing the socket of the extension.

The RJ45 patch cable extension Cat.6A can be used with any conventional devices with RJ45 interface, such as computers, notebooks, DSL modems, routers, switches, game consoles, televisions and many more.

General data

Category	6A (TIA)
Type of connector connection 1	RJ45 8(8)
Type of connector connection 2	RJ45 8(8)
Connector type	RJ45 Standard
Contacts	3 µ" gold plated
Pin assignment	1:1

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General data

Allocation	acc. TIA/EIA 568B
Type	Shielded
Length imprint	True
Anti-kink sleeve	moulded
Colour anti-kink sleeve	black
Locking lever	True

Mechanical characteristics

Mating cycles	750
Conductive shield	Selected shield contact

Cable construction

Raw cable	Cat.6A
Cable type	S/FTP
Cable construction	4x2
AWG-size	26/7
Conductor Material	Copper

Cable sheath

Jacket material	LSZH
Colour outer sheath	black
Outer diameter of the cable	6.2 mm

Environmental conditions

Temperature Range (Operation)	-15 – 60 °C
Temperature Range (Storage)	-20 – 75 °C

Electrical characteristics

Insulation resistance	10 MΩ
Contact resistance	30 mΩ
POE class	PoE acc. to IEEE802.3af; PoE+ acc. to IEEE802.3at

Transmission characteristics

Bandwidth	500MHz
Transmission	10Gbit; 2.5Gbit; 5Gbit

Standards, approvals, certifications

Cabling Standard	ISO/IEC 11801; ANSI/TIA-568-B.2; EN50173
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Standards, approvals, certifications

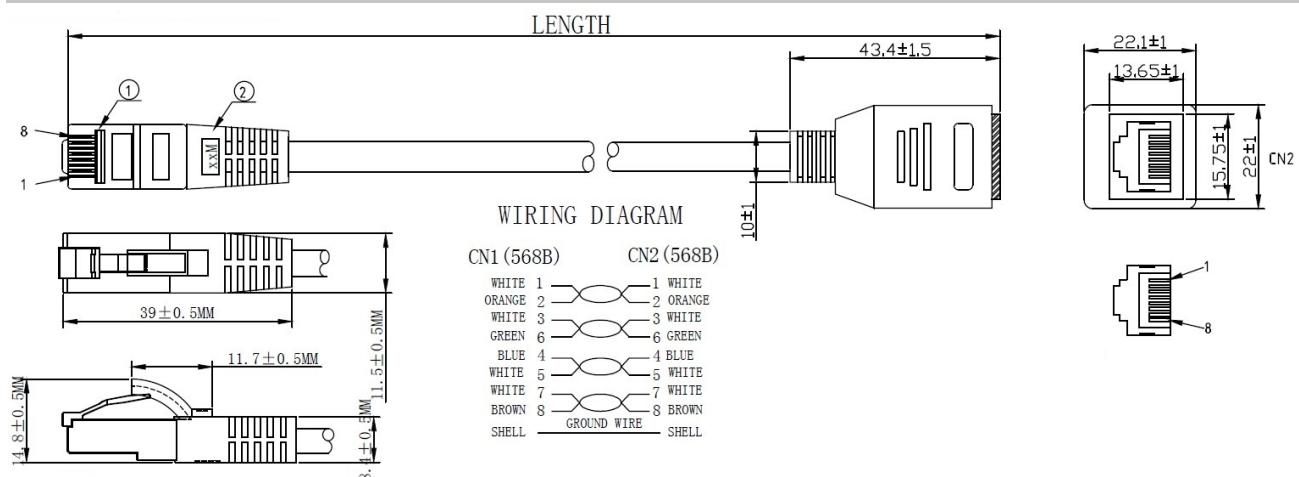
Connector

IEC 60603-7-51

Available variants

Article no.	Title	Length	Length tolerance
K5546SW.1	RJ45 patch cable extension Cat.6A, S/FTP, AWG26, black, 1m	1.0 m	±5 %
K5546SW.2	RJ45 patch cable extension Cat.6A, S/FTP, AWG26, black, 2m	2.0 m	±5 %
K5546SW.3	RJ45 patch cable extension Cat.6A, S/FTP, AWG26, black, 3m	3.0 m	±5 %
K5546SW.5	RJ45 patch cable extension Cat.6A, S/FTP, AWG26, black, 5m	5.0 m	±5 %
K5546SW.10	RJ45 patch cable extension Cat.6A, S/FTP, AWG26, black, 10m	10.0 m	±5 %

Technical drawings



accessory

ET-25133.1V1	Data outlet Cat.6A
E-20070	RJ45 Keystone STP, Cat.6A, 500MHz, components certified
E-20093	RJ45 Shortbody Keystone STP, Cat.6A 500MHz with internal shutter
K5525FSW.3	RJ45 Patch cable S/FTP, Cat.6A, Cat.7 Raw cable TPE superflex, black

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