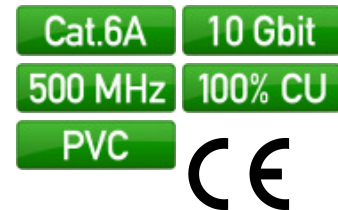


# DATASHEET

## RJ45 Flat patch cable U/FTP, Cat.6A, PVC, black



### Description

The pair-shielded Cat.6A RJ45 **flat patch cable** ensures excellent performance for **10 Gigabit Ethernet** applications. The flat patch cable impresses with its flat construction and is with **2.2mm height ideal for laying e.g. behind ledges or under a carpet**. The cast grommet captivates with its **slim design** and thus simplifies the plugging process in confined spaces.

Sheath material: PVC

Cross section: 4 x 2 x **AWG30 / 7**

Cable diameter: **7.0x2.2mm**

Plug type: **short plug**

### General data

Category	6A (TIA)
Type of connector connection 1	RJ45 8(8)
Type of connector connection 2	RJ45 8(8)
Connector type	RJ45 short version
Contacts	Gold plated
Pin assignment	1:1
Allocation	acc. TIA/EIA 568B
Type	Shielded
Anti-kink sleeve	moulded
Colour anti-kink sleeve	black
Locking lever	yes

### Mechanical characteristics

Mating cycles	≥750
Bending radius	>20 mm
Conductive shield	Selected shield contact

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### Cable construction

Cable structure	U/FTP
Cable construction	4x2
AWG-size/strands per core	30/7
Conductor Material	Copper

### Cable sheath

Silicone-free	yes
Jacket material	PVC
Colour outer sheath	black
Printing	SLIM PATCHCABLE U/FTP CAT.6A ***10GB***
Outer diameter of the cable	7.0*2.2 mm

### Environmental conditions

Temperature range	-20 – 55 °C
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### Electrical characteristics

NVP value	76 %
Impedance	100 ±15 Ω
Conductor resistance DC	376 Ω/km
Loop resistance	752 Ω/km
Resistance unbalance	<4 %
Insulation resistance	100 MΩ
Test voltage	1000 (V DC, 1min) core/core und core/screen
POE class	PoE acc. to IEEE802.3af;PoE+ acc. to IEEE802.3at;4PPoE acc. to IEEE802.3bt

### Transmission characteristics

Bandwidth	500MHz
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### Standards, approvals, certifications

Connector	IEC 60603-7-51
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### Available variants

Article no.	Title	Length
K5545SW.0,15	RJ45 Flat Patch cable U/FTP, Cat.6A, PVC, 0.15m, black	0.15 m
K5545SW.0,25	RJ45 Flat Patch cable U/FTP, Cat.6A, PVC, 0.25m, black	0.25 m
K5545SW.0,5	RJ45 Flat Patch cable U/FTP, Cat.6A, PVC, 0.5m, black	0.5 m

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## RJ45 Flat patch cable U/FTP, Cat.6A, PVC, black

Article no.	Title	Length
K5545SW.1	RJ45 Flat Patch cable U/FTP, Cat.6A, PVC, 1m, black	1.0 m
Article no.	Title	Length
K5545SW.1,5	RJ45 Flat Patch cable U/FTP, Cat.6A, PVC, 1.5m, black	1.5 m
K5545SW.2	RJ45 Flat Patch cable U/FTP, Cat.6A, PVC, 2m, black	2.0 m
K5545SW.3	RJ45 Flat Patch cable U/FTP, Cat.6A, PVC, 3m, black	3.0 m
K5545SW.5	RJ45 Flat Patch cable U/FTP, Cat.6A, PVC, 5m, black	5.0 m

### similar product

K5545WS.1	RJ45 Flat patch cable U/FTP, Cat.6A, PVC, white
K5545RT.1	RJ45 Flat patch cable U/FTP, Cat.6A, PVC, red
K5545GR.1	RJ45 Flat patch cable U/FTP, Cat.6A, PVC, grey
K5545GN.1	RJ45 Flat patch cable U/FTP, Cat.6A, PVC, green
K5545GE.1	RJ45 Flat patch cable U/FTP, Cat.6A, PVC, yellow
K5545BL.1	RJ45 Flat patch cable U/FTP, Cat.6A, PVC, blue