DATASHEET

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



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

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	grey
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	grey
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

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

Transmission characteristics	
Bandwidth	500MHz

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

Available variants

Article no.	Title	Length
K5545GR.0,25	RJ45 Flat Patch cable U/FTP, Cat.6A, PVC, 0.25m, grey	0.25 m
K5545GR.0,5	RJ45 Flat Patch cable U/FTP, Cat.6A, PVC, 0.5m, grey	0.5 m
K5545GR.1	RJ45 Flat Patch cable U/FTP, Cat.6A, PVC, 1m, grey	1.0 m
K5545GR.1,5	RJ45 Flat Patch cable U/FTP, Cat.6A, PVC, 1.5m, grey	1.5 m
K5545GR.2	RJ45 Flat Patch cable U/FTP, Cat.6A, PVC, 2m, grey	2.0 m

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K5545GR.3	RJ45 Flat Patch cable U/FTP, Cat.6A, PVC, 3m, grey	3.0 m
K5545GR.5	RJ45 Flat Patch cable U/FTP, Cat.6A, PVC, 5m, grey	5.0 m

similar product	
K5545WS.1	RJ45 Flat patch cable U/FTP, Cat.6A, PVC, white
K5545SW.1	RJ45 Flat patch cable U/FTP, Cat.6A, PVC, black
K5545RT.1	RJ45 Flat patch cable U/FTP, Cat.6A, PVC, red
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

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