DATASHEET

RJ45 Patch cable S/FTP, Cat.6A, 2x TM21 90°, UC900, black



Cat.6A | 10 Gbit | 500 MHz | 100% CU | made in Europe

Description

The Cat.6A RJ45 patch cable **manufactured in Europe** guarantees very good characteristics for **10 Gigabit** Ethernet applications. The patch cable is composed of the Cat.7 raw cable **UC900 SS27** from Draka and **TM21** connectors from Hirose. Due to the **90° angled grommet**, the patch cable is well suited for limited space conditions.

Cross section 4 x 2 x AWG27/7
Mounted bend protection grommet 90° angled

General data	
Category	6A (TIA)
Type of connector connection 1	RJ45 8(8)
Type of connector connection 2	RJ45 8(8)
Connector type	TM21 red
Cable type	Draka UC900 SS27
Contacts	Gold plated
Pin assignment	1:1
Allocation	acc. TIA/EIA 568B
Type	Shielded
Anti-kink sleeve	put-on
Colour anti-kink sleeve	black
Locking lever	yes

Mechanical characteristics	
Mating cycles	≥750
Bending radius	>25 mm
Conductive shield	360° shield contact

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Cable construction	
Raw cable	Cat.7
Cable structure	S/FTP
Total screening	ca. 45 %
Cable construction	4x2
AWG-size/strands per core	27/7
Conductor Material	Copper

Cable sheath	
Jacket material	LSZH
Colour outer sheath	black
Outer diameter of the cable	5.9 mm
Euro class	Eca
Flame-retardant	acc. IEC60332-1
Halogen-free	acc. IEC60754-2
Low smoke	acc. IEC61034

Environmental conditions	
Temperature Range (Operation)	-20 – 60 °C
Temperature Range (Installation)	0 – 50 °C

Electrical characteristics	
NVP value	79 %
Impedance	100 ±25 Ω
Conductor resistance DC	170 Ω/km
Loop resistance	< 340 Ω/km
Resistance unbalance	< 3 %
Insulation resistance	> 2000 MΩ
Test voltage	1000 (V DC, 1min) core/core und core/screen

Transmission characteristics	
Bandwidth	500MHz

Standards, approvals, certifications	
Connector	IEC 60603-7-51
Harmonised Standard	EN 50575

Available variants

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Article no.	Title	Length
K4137SW.0,50	RJ45 Patch cable S/FTP, Cat.6A, 2x TM21 90°, UC900, 0,5m, black	0.5 m
K4137SW.1	RJ45 Patch cable S/FTP, Cat.6A, 2x TM21 90°, UC900, 1m, black	1.0 m
K4137SW.1,5	RJ45 Patch cable S/FTP, Cat.6A, 2x TM21 90°, UC900, 1,5m, black	1.5 m
K4137SW.2	RJ45 Patch cable S/FTP, Cat.6A, 2x TM21 90°, UC900, 2m, black	2.0 m
K4137SW.3	RJ45 Patch cable S/FTP, Cat.6A, 2x TM21 90°, UC900, 3m, black	3.0 m
K4137SW.5	RJ45 Patch cable S/FTP, Cat.6A, 2x TM21 90°, UC900, 5m, black	5.0 m
K4137SW.7,5	RJ45 Patch cable S/FTP, Cat.6A, 2x TM21 90°, UC900, 7,5m, black	7.5 m
K4137SW.10	RJ45 Patch cable S/FTP, Cat.6A, 2x TM21 90°, UC900, 10m, black	10.0 m
K4137SW.20	RJ45 Patch cable S/FTP, Cat.6A, 2x TM21 90°, UC900, 20m, black	20.0 m

similar product	
K4137WS.1	RJ45 Patch cable S/FTP, Cat.6A, 2x TM21 90°, UC900, white
K4137RT.1	RJ45 Patch cable S/FTP, Cat.6A, 2x TM21 90°, UC900, red
K4137OR.1	RJ45 Patch cable S/FTP, Cat.6A, 2x TM21 90°, UC900, orange
K4137GR.1	RJ45 Patch cable S/FTP, Cat.6A, 2x TM21 90°, UC900, grey
K4137GN.1	RJ45 Patch cable S/FTP, Cat.6A, 2x TM21 90°, UC900, green
K4137GE.1	RJ45 Patch cable S/FTP, Cat.6A, 2x TM21 90°, UC900, yellow
K4137BL.1	RJ45 Patch cable S/FTP, Cat.6A, 2x TM21 90°, UC900, blue

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