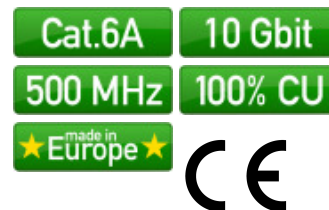


DATASHEET

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



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	grey
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
POE class	PoE acc. to IEEE802.3af;PoE+ acc. to IEEE802.3at;4PPoE acc. to IEEE802.3bt

Transmission characteristics

Bandwidth	500MHz
Transmission	10Gbit

Standards, approvals, certifications

Cabling Standard	ISO/IEC 11801
Connector	IEC 60603-7-51

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Standards, approvals, certifications

Harmonised Standard

EN 50575

Available variants

Article no.	Title	Length	Length tolerance
K4137GR.0,15	RJ45 Patch cable S/FTP, Cat.6A, 2x TM21 90°, UC900, 0,15m, grey	0.15 m	±5 %
K4137GR.0,50	RJ45 Patch cable S/FTP, Cat.6A, 2x TM21 90°, UC900, 0,5m, grey	0.5 m	±5 %
K4137GR.1	RJ45 Patch cable S/FTP, Cat.6A, 2x TM21 90°, UC900, 1m, grey	1.0 m	±5 %
K4137GR.1,5	RJ45 Patch cable S/FTP, Cat.6A, 2x TM21 90°, UC900, 1,5m, grey	1.5 m	±5 %
K4137GR.2	RJ45 Patch cable S/FTP, Cat.6A, 2x TM21 90°, UC900, 2m, grey	2.0 m	±5 %
K4137GR.3	RJ45 Patch cable S/FTP, Cat.6A, 2x TM21 90°, UC900, 3m, grey	3.0 m	±5 %
K4137GR.5	RJ45 Patch cable S/FTP, Cat.6A, 2x TM21 90°, UC900, 5m, grey	5.0 m	±5 %
K4137GR.7,5	RJ45 Patch cable S/FTP, Cat.6A, 2x TM21 90°, UC900, 7,5m, grey	7.5 m	±5 %
K4137GR.10	RJ45 Patch cable S/FTP, Cat.6A, 2x TM21 90°, UC900, 10m, grey	10.0 m	±5 %
K4137GR.15	RJ45 Patch cable S/FTP, Cat.6A, 2x TM21 90°, UC900, 15m, grey	15.0 m	±5 %
K4137GR.20	RJ45 Patch cable S/FTP, Cat.6A, 2x TM21 90°, UC900, 20m, grey	20.0 m	±5 %
K4137GR.25	RJ45 Patch cable S/FTP, Cat.6A, 2x TM21 90°, UC900, 25m, grey	25.0 m	±5 %
K4137GR.30	RJ45 Patch cable S/FTP, Cat.6A, 2x TM21 90°, UC900, 30m, grey	30.0 m	±5 %

similar product

K4137WS.1	RJ45 Patch cable S/FTP, Cat.6A, 2x TM21 90°, UC900, white
K4137SW.1	RJ45 Patch cable S/FTP, Cat.6A, 2x TM21 90°, UC900, black
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
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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