

DATASHEET

RJ45 Patch cable S/FTP, Cat.6A, IP67/TM21 / TM21, PUR, for 53730.1V2



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 Cat.7 PUR** from Draka and **TM21** connectors from Hirose. On one side the TM21 connector is provided with a special grommet and is therefore suitable for **IP67** use. Due to the **highly abrasion-resistant PUR** outer sheath, the cable is **resistant to mineral oil and ASTM oil**.

Cross section 4 x 2 x AWG27/7

Mounted anti-kink grommet

Temperature range: **-35°C ~ +75°C**

General data

Category	6A (IEC)
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 Cat.7 PUR
Contacts	1.27 µ" gold plated
Pin assignment	1:1
Allocation	acc. TIA/EIA 568B
Type	Shielded
Anti-kink sleeve	put-on

This datasheet was created automatically on 26-08-2021 . Technical changes reserved.



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General data

Colour anti-kink sleeve	black
Locking lever	yes

Mechanical characteristics

Mating cycles	≥ 750
Bending radius	25 mm
Conductive shield	360° shield contact
Suitable for degree of protection (IP)	IP67

Cable construction

Raw cable	Cat.7
Cable type	S/FTP
Cable construction	4x2
AWG-size	27/7
Conductor Material	Copper

Cable sheath

Jacket material	PUR
Colour outer sheath	red
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
Oil resistant	acc. EN 60811-2-1
UV resistance	acc. IEC60068-2-5
Ozone resistance	acc. EN60811-2-1

Environmental conditions

Temperature Range (Operation)	-35 – 75 °C
Temperature Range (Installation)	-5 – 50 °C

Electrical characteristics

NVP value	79 %
Impedance	100 ±5 Ω
Loop resistance	< 340 Ω/km
Resistance unbalance	< 3 %
Insulation resistance	> 2000 MΩ

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Electrical characteristics

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

Connector	IEC 60603-7-51
Harmonised Standard	EN 50575

Available variants

Article no.	Title	Length
K8670.1	RJ45 Patch cable S/FTP, Cat.6A, IP67/TM21 / TM21, PUR, for 53730.1V2, 1m	1.0 m
K8670.2	RJ45 Patch cable S/FTP, Cat.6A, IP67/TM21 / TM21, PUR, for 53730.1V2, 2m	2.0 m
K8670.3	RJ45 Patch cable S/FTP, Cat.6A, IP67/TM21 / TM21, PUR, for 53730.1V2, 3m	3.0 m
K8670.5	RJ45 Patch cable S/FTP, Cat.6A, IP67/TM21 / TM21, PUR, for 53730.1V2, 5m	5.0 m
K8670.7,5	RJ45 Patch cable S/FTP, Cat.6A, IP67/TM21 / TM21, PUR, for 53730.1V2, 7,5m	7.5 m
K8670.10	RJ45 Patch cable S/FTP, Cat.6A, IP67/TM21 / TM21, PUR, for 53730.1V2, 10m	10.0 m
K8670.15	RJ45 Patch cable S/FTP, Cat.6A, IP67/TM21 / TM21, PUR, for 53730.1V2, 15m	15.0 m
K8670.20	RJ45 Patch cable S/FTP, Cat.6A, IP67/TM21 / TM21, PUR, for 53730.1V2, 20m	20.0 m
K8670.50	RJ45 Patch cable S/FTP, Cat.6A, IP67/TM21 / TM21, PUR, for 53730.1V2, 50m	30.0 m