

DATASHEET

RJ45 Patch cable S/FTP, Cat.6A, TM21, UC900, PUR, 40m, red



General data

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. 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**

Allgemeine Daten

Suitable for degree of protection (IP)	IP20
Cable type	S/FTP
Pin assignment	1:1
Contacts	Gold plated μ" gold plated
Locking lever	True
Connector type	TM21 red
Fire retardant version	True

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Model	Shielded
Length imprint	False
Anti-kink sleeve	put-on
Allocation	acc. TIA/EIA 568B
Material outer sheath	Polyurethan (PUR)
Area of Application	Structured cabling;Industrial Ethernet;Data center
Colour outer sheath	red
Category	6A (IEC)
Current Rating	max. 1 A
Cable type acc. to Manufacturer	Draka UC900 SS27 Cat.7 PUR
UV resistance	acc. IEC60068-2-5
Halogen free	True
Colour anti-kink sleeve	black

Mechanische Eigenschaften

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

Kabelaufbau

Raw cable	Cat.7
Type of connector connection 2	RJ45 8(8)
AWG-size	27/7
Type of connector connection 1	RJ45 8(8)
Conductor Material	Copper
Cable construction	4x2

Kabelmantel

Ozone resistance	acc. EN60811-2-1
Oil resistant (according to EN 60811-404)	False
Halogen-free	yes
Flame retardant	acc. IEC60332-1
Oil resistant	No
Euro class	Eca
Outer diameter of the cable	5.9 mm

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Low smoke	acc. IEC61034
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Umgebungsbedingungen

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

Elektrische Eigenschaften

Conductor resistance DC	170 Ω/km
Resistance unbalance	< 3 %
POE class	PoE acc. to IEEE802.3af;PoE+ acc. to IEEE802.3at;4PPoE acc. to IEEE802.3bt
Loop resistance	< 340 Ω/km
Test voltage	1000 V DC, 1min
Contact Resistance	< 20 mΩ
NVP value	79 %
Operating-/ tempering voltage	max. 50 V DC
Impedance	100 ±5 Ω
Insulation Resistance	≥ 2000 MΩ

Übertragungstechnische Eigenschaften

Bandwidth	500MHz
Transmission	10Gbit;2.5Gbit;5Gbit

Normen, Zulassungen, Zertifizierungen

Harmonised Standard	EN 50575
Oil resistant (acc. EN 60811-2-1)	True
Cabling standard	ISO/IEC 11801;EN50173
Connector	IEC 60603-7-51

Available variants

ArtNr.	Bezeichnung	Length	Längentoleranz
K8048PUI0,25	RJ45 Patch cable S/FTP, Cat.6A, TM21, UC900, PUR, 0,25m, red	0.25 m	±5 %
K8048PUI0,5	RJ45 Patch cable S/FTP, Cat.6A, TM21, UC900, PUR, 0,5m, red	0.5 m	±5 %
K8048PUI1	RJ45 Patch cable S/FTP, Cat.6A, TM21, UC900, PUR, 1m, red	1.0 m	±5 %
K8048PUI1,5	RJ45 Patch cable S/FTP, Cat.6A, TM21, UC900, PUR, 1,5m, red	1.5 m	±5 %

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K8048PUI10	RJ45 Patch cable S/FTP, Cat.6A, TM21, UC900, PUR, 10m, red	10.0 m	±5 %
K8048PUI15	RJ45 Patch cable S/FTP, Cat.6A, TM21, UC900, PUR, 15m, red	15.0 m	±5 %
K8048PUI2	RJ45 Patch cable S/FTP, Cat.6A, TM21, UC900, PUR, 2m, red	2.0 m	±5 %
K8048PUI20	RJ45 Patch cable S/FTP, Cat.6A, TM21, UC900, PUR, 20m, red	20.0 m	±5 %
K8048PUI25	RJ45 Patch cable S/FTP, Cat.6A, TM21, UC900, PUR, 25m, red	25.0 m	±5 %
K8048PUI3	RJ45 Patch cable S/FTP, Cat.6A, TM21, UC900, PUR, 3m, red	3.0 m	±5 %
K8048PUI30	RJ45 Patch cable S/FTP, Cat.6A, TM21, UC900, PUR, 30m, red	30.0 m	±5 %
K8048PUI40	RJ45 Patch cable S/FTP, Cat.6A, TM21, UC900, PUR, 40m, red	40.0 m	±5 %
K8048PUI5	RJ45 Patch cable S/FTP, Cat.6A, TM21, UC900, PUR, 5m, red	5.0 m	±5 %
K8048PUI50	RJ45 Patch cable S/FTP, Cat.6A, TM21, UC900, PUR, 50m, red	50.0 m	±5 %
K8048PUI7,5	RJ45 Patch cable S/FTP, Cat.6A, TM21, UC900, PUR, 7,5m, red	7.5 m	±5 %

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