

Latiguillo Sftp Ideal Cat-6a Tm21/tm21 Pur.



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. 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**

Allgemeine Daten

Suitable for degree of protection (IP)	IP67
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	Industrial Ethernet
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

Ideal Technology has a policy of continuous improvement. Specifications are subject to change without notice.

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

Übertragungstechnische Eigenschaften

Transmission	10Gbit
Bandwidth	500MHz

Normen, Zulassungen, Zertifizierungen

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

Available variants

ArtNr.	Bezeichnung	Length Längentoleranz	
K8670.0,5	RJ45 Patch cable S/FTP, Cat.6A, IP67/TM21 / TM21, PUR, for 53730.1V2, 0,5m	0.5 m	±5 %
K8670.1	RJ45 Patch cable S/FTP, Cat.6A, IP67/TM21 / TM21, PUR, for 53730.1V2, 1m	1.0 m	±5 %
K8670.2	RJ45 Patch cable S/FTP, Cat.6A, IP67/TM21 / TM21, PUR, for 53730.1V2, 2m	2.0 m	±5 %
K8670.3	RJ45 Patch cable S/FTP, Cat.6A, IP67/TM21 / TM21, PUR, for 53730.1V2, 3m	3.0 m	±5 %
K8670.5	RJ45 Patch cable S/FTP, Cat.6A, IP67/TM21 / TM21, PUR, for 53730.1V2, 5m	5.0 m	±5 %

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K8670.7,5	RJ45 Patch cable S/FTP, Cat.6A, IP67/TM21 / TM21, PUR, for 53730.1V2, 7,5m	7.5 m	±5 %
K8670.10	RJ45 Patch cable S/FTP, Cat.6A, IP67/TM21 / TM21, PUR, for 53730.1V2, 10m	10.0 m	±5 %
K8670.15	RJ45 Patch cable S/FTP, Cat.6A, IP67/TM21 / TM21, PUR, for 53730.1V2, 15m	15.0 m	±5 %
K8670.20	RJ45 Patch cable S/FTP, Cat.6A, IP67/TM21 / TM21, PUR, for 53730.1V2, 20m	20.0 m	±5 %
K8670.50	RJ45 Patch cable S/FTP, Cat.6A, IP67/TM21 / TM21, PUR, for 53730.1V2, 50m	30.0 m	±5 %