



Industry  
shielded



## APPLICATION

network patch cable for industry, structured building cabling and data centers.

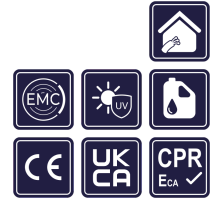
Suitable for harsh industrial environments thanks to an abrasion-resistant and oil-resistant PUR outer sheath.

## SPECIAL FEATURES

- Large selection of different lengths
- Ideal for harsh industrial applications
- PUR cable outer jacket (flame-retardant, low-smoke, halogen-free); red
- Oil-resistant, ozone-resistant, UV-resistant
- Shielded S/FTP cable construction (Screened/Foiled Twisted Pair - overall braided shield around wire pairs in metal foil)
- Cat.7 raw cable (brand type: Draka UC900 SS27 Eca); as assembled RJ45 patch cable Cat.6A
- HIROSE RJ45 TM21 plug
- RJ45 plug contacts gold-plated
- Plug contact surface and locking lever red
- with locking lever protection
- Ozone-resistant in accordance with EN 60811-2-1
- oil-resistant in accordance with EN 60811-2-1
- halogen-free in accordance with IEC 60754-2
- flame-retardant to IEC 60332-1
- low-smoke according to IEC 61034
- extended temperature: -35°C / +75°C

## REMARKS

- Cat.6A patch cable fulfills the requirements for 10 Gbit Ethernet/ 500 MHz
- RJ45 pin assignment according to TIA/EIA T568B
- RJ45 connector: IEC 60603-7-51
- Suitable for cabling standard EN 50173 "application-neutral communication cable systems"
- offers the option of PowerOverEthernet supply according to IEE 802.3bt
- Special versions, other lengths available on request.



## PRODUCT DETAILS

### DESIGN

Side 1 - Connection	RJ45 - Connector
Side 1 - No. of contacts	8
Side 1 - Cable outlet	Straight
Side 2 - Connection	RJ45 - Connector
Side 2 - No. of contacts	8
Side 2 - Cable outlet	Straight
Colour code pin assignment	TIA-568B
Contacts gold-plated	yes
Cable	UC900 SS27 Cat.7 PUR (Draka)
Cable type	S/FTP
Dimension	4x2xAWG27/7
Outer sheath material	PUR
Sheath colour	red
Cable outer-Ø [mm]	5,9

## ELECTRICAL PROPERTIES

Suitable for PoE	yes
Suitable for PoE+	yes
Suitable for 4PPoE (PoE++)	yes

## INTERFACE PROPERTIES

Category (Ethernet)	Cat.6A
Interface type	Ethernet
Transmission rate	10 Gbit/s
Bandwidth	500 MHz

## MECHANICAL &amp; DYNAMIC PROPERTIES

Smallest bending radius [mm]	25,0
Mating cycles	> 750
IP protection rating	IP20

## THERMAL PROPERTIES

Temperature range min/max [°C]	-35 °C / +75 °C
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## PROPERTIES IN CASE OF FIRE

Flame retardant	Cable acc.to IEC 60332-1
Halogen-free	Cable acc. to IEC 60754-2

## CHEMICAL RESISTANCE &amp; OTHER PROPERTIES

Oil resistance	Cable acc.to EN 60811-2-1
UV resistance	Cable: yes

## STANDARDS &amp; APPROVALS

Standard	Cabling Standard: EN50173; Connector Type: IEC60603-7-51; PoE acc.to IEEE 802.3af; PoE+ acc.to IEEE 802.3at; 4PPoE acc.to IEEE 802.3bt
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## ITEM OVERVIEW

## INDULINK® PATCH INDUSTRY RJ45 TM21 CAT.6A PUR ADV

Item no. [TKD]	Type	Weight [kg/1.000]	PU [pcs]
6009941	S/FTP CAT.7 UC900 AWG27/7 L=1,0 m	40,0	1
6009942	S/FTP CAT.7 UC900 AWG27/7 L=2,0 m	90,0	1
6009943	S/FTP CAT.7 UC900 AWG27/7 L=3,0 m	120,0	1
6009944	S/FTP CAT.7 UC900 AWG27/7 L=5,0 m	190,0	1