

# DATASHEET

## RJ45 Patch cable S/FTP, Cat.6A, TM21, 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.

Cross section 4 x 2 x AWG27/7  
Mounted anti-kink grommet

### General data

Area of Application	Structured cabling;Industrial Ethernet;Data center
Category	6A (TIA)
Type of connector connection 1	RJ45 8(8)
Type of connector connection 2	RJ45 8(8)
Connector type	TM21 red
Contacts	Gold plated
Pin assignment	1:1
Allocation	acc. TIA/EIA 568B
Type	Shielded
Anti-kink sleeve	put-on
Colour anti-kink sleeve	grey
Locking lever	True

### Mechanical characteristics

Mating cycles	2000
Bending radius	>25 mm
Conductive shield	360° shield contact
Suitable for degree of protection (IP)	IP20

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### Cable construction

Raw cable	Cat.7
Cable type	S/FTP
Total screening	ca. 45 %
Cable construction	4x2
AWG-size	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	yes
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
POE class	PoE acc. to IEEE802.3af;PoE+ acc. to IEEE802.3at;4PPoE acc. to IEEE802.3bt
Current capacity	max. 1 A
Operating-/ tempering voltage	max. 50 V DC

### Transmission characteristics

Bandwidth	500MHz
Transmission	10Gbit

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### Standards, approvals, certifications

Connector	IEC 60603-7-51
Harmonised Standard	EN 50575

### Available variants

Article no.	Title	Length	Length tolerance
K8051.0,15	RJ45 Patch cable S/FTP, Cat.6A, TM21, UC900, 0,15m, grey	0.15 m	±5 %
K8051.0,25	RJ45 Patch cable S/FTP, Cat.6A, TM21, UC900, 0,25m, grey	0.25 m	±5 %
K8051.0,50	RJ45 Patch cable S/FTP, Cat.6A, TM21, UC900, 0,5m, grey	0.5 m	±5 %
K8051.1	RJ45 Patch cable S/FTP, Cat.6A, TM21, UC900, 1m, grey	1.0 m	±5 %
K8051.1,5	RJ45 Patch cable S/FTP, Cat.6A, TM21, UC900, 1,5m, grey	1.5 m	±5 %
K8051.2	RJ45 Patch cable S/FTP, Cat.6A, TM21, UC900, 2m, grey	2.0 m	±5 %
K8051.3	RJ45 Patch cable S/FTP, Cat.6A, TM21, UC900, 3m, grey	3.0 m	±5 %
K8051.5	RJ45 Patch cable S/FTP, Cat.6A, TM21, UC900, 5m, grey	5.0 m	±5 %
K8051.7,5	RJ45 Patch cable S/FTP, Cat.6A, TM21, UC900, 7,5m, grey	7.5 m	±5 %
K8051.10	RJ45 Patch cable S/FTP, Cat.6A, TM21, UC900, 10m, grey	10.0 m	±5 %
K8051.15	RJ45 Patch cable S/FTP, Cat.6A, TM21, UC900, 15m, grey	15.0 m	±5 %
K8051.20	RJ45 Patch cable S/FTP, Cat.6A, TM21, UC900, 20m, grey	20.0 m	±5 %
K8051.25	RJ45 Patch cable S/FTP, Cat.6A, TM21, UC900, 25m, grey	25.0 m	±5 %
K8051.30	RJ45 Patch cable S/FTP, Cat.6A, TM21, UC900, 30m, grey	30.0 m	±5 %
K8051.40	RJ45 Patch cable S/FTP, Cat.6A, TM21, UC900, 40m, grey	40.0 m	±5 %
K8051.50	RJ45 Patch cable S/FTP, Cat.6A, TM21, UC900, 50m, grey	50.0 m	±5 %

### similar product

K8052.1	RJ45 Patch cable S/FTP, Cat.6A, TM21, UC900, red
K8055.1	RJ45 Patch cable S/FTP, Cat.6A, TM21, UC900, yellow
K8053.1	RJ45 Patchkabel S/FTP, Cat.6A, TM21, UC900, green
K8058.1	RJ45 Patch cable S/FTP, Cat.6A, TM21, UC900, white
K8056.1	RJ45 Patchkabel S/FTP, Cat.6A, TM21, UC900, orange
K8054.1	RJ45 Patch cable S/FTP, Cat.6A, TM21, UC900, blue
K8050.1	RJ45 Patch cable S/FTP, Cat.6A, TM21, UC900, black

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