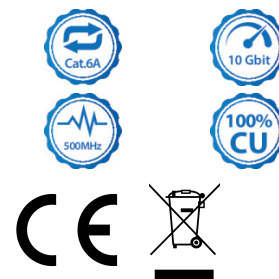
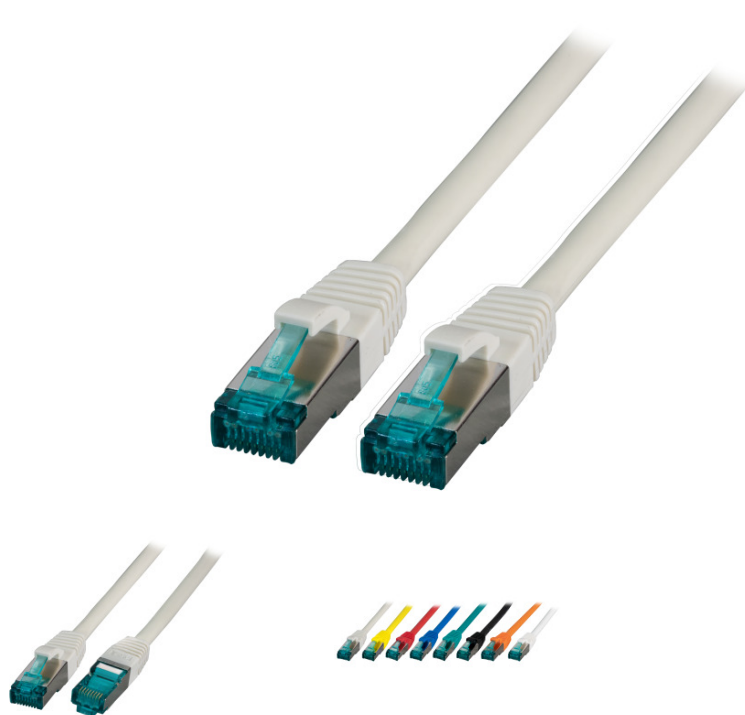


# DATASHEET

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



### Description

The shielded Cat.6A RJ45 patch cable ensures excellent performance for **10 Gigabit** Ethernet applications. The moulded grommet captivates with its **slim design** and thus simplifies the insertion process in cramped conditions.

Cross section 4 x 2 x AWG27/7

#### Length imprint on boot

Available in **8 colours**

### 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	RJ45 Standard green
Contacts	Gold plated
Pin assignment	1:1
Allocation	acc. TIA/EIA 568B
Type	Shielded
Length imprint	Yes
Anti-kink sleeve	plugged in
Colour anti-kink sleeve	grey

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# DATASHEET

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

### General data

Locking lever	Yes
UL approved	No

### Mechanical characteristics

Mating cycles	2000
Bending radius	>30 mm
Conductive shield	Selected shield contact
Suitable for degree of protection (IP)	IP20

### Cable construction

Raw cable	Cat.6A
Cable type	S/FTP
Total screening	80 %
Cable construction	4x2
AWG-size	27/7
Conductor Material	Copper

### Cable sheath

Silicone-free	Yes
Jacket material	LSZH
Colour outer sheath	grey
Printing	Cat.6A PATCH S/FTP 4x2xAWG27/7 LSZH ISO/IEC11801 ANSI/TIA-568-C.2 ***10Gigabit Ethernet***
Outer diameter of the cable	6.0 mm
Flame-retardant	Yes
Halogen-free	Yes
Low smoke	Yes

### Environmental conditions

Temperature range	-20 – 60 °C
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### Electrical characteristics

NVP value	74 %
Impedance	100 ±15 Ω
Conductor resistance DC	185 Ω/km
Loop resistance	370 Ω/km
Resistance unbalance	3 %
Insulation resistance	10 MΩ

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# DATASHEET

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

### Electrical characteristics

Contact resistance	30 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

### Standards, approvals, certifications

Connector	IEC 60603-7-51
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### Available variants

Article no.	Title	Length	Length tolerance
MK6001.0,15G	RJ45 Patch cable S/FTP, Cat.6A, LSZH, 0.15m, grey	0.15 m	±5 %
MK6001.0,25G	RJ45 Patch cable S/FTP, Cat.6A, LSZH, 0.25m, grey	0.25 m	±5 %
MK6001.0,5G	RJ45 Patch cable S/FTP, Cat.6A, LSZH, 0.5m, grey	0.5 m	±5 %
MK6001.1G	RJ45 Patch cable S/FTP, Cat.6A, LSZH, 1m, grey	1.0 m	±5 %
MK6001.1,5G	RJ45 Patch cable S/FTP, Cat.6A, LSZH, 1.5m, grey	1.5 m	±5 %
MK6001.2G	RJ45 Patch cable S/FTP, Cat.6A, LSZH, 2m, grey	2.0 m	±5 %
MK6001.3G	RJ45 Patch cable S/FTP, Cat.6A, LSZH, 3m, grey	3.0 m	±5 %
MK6001.5G	RJ45 Patch cable S/FTP, Cat.6A, LSZH, 5m, grey	5.0 m	±5 %
MK6001.7,5G	RJ45 Patch cable S/FTP, Cat.6A, LSZH, 7.5m, grey	7.5 m	±5 %
MK6001.10G	RJ45 Patch cable S/FTP, Cat.6A, LSZH, 10m, grey	10.0 m	±5 %
MK6001.15G	RJ45 Patch cable S/FTP, Cat.6A, LSZH, 15m, grey	15.0 m	±5 %
MK6001.20G	RJ45 Patch cable S/FTP, Cat.6A, LSZH, 20m, grey	20.0 m	±5 %
MK6001.25G	RJ45 Patch cable S/FTP, Cat.6A, LSZH, 25m, grey	25.0 m	±5 %
MK6001.30G	RJ45 Patch cable S/FTP, Cat.6A, LSZH, 30m, grey	30.0 m	±5 %
MK6001.40G	RJ45 Patch cable S/FTP, Cat.6A, LSZH, 40m, grey	40.0 m	±5 %
MK6001.50G	RJ45 Patch cable S/FTP, Cat.6A, LSZH, 50m, grey	50.0 m	±5 %

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