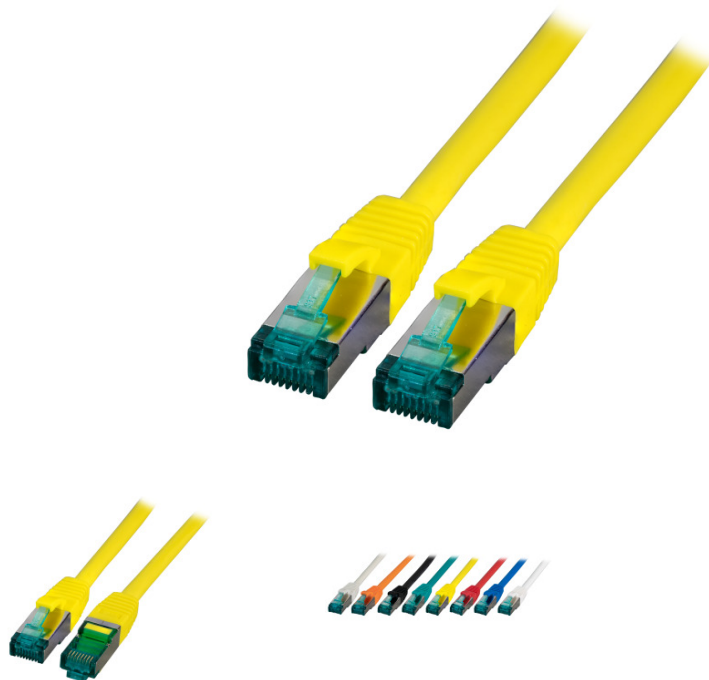
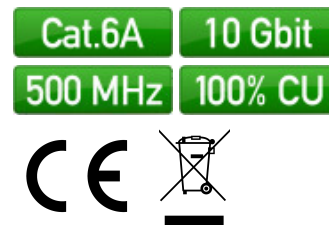


# DATASHEET

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



### Description

The shielded Cat.6A RJ45 patch cable with 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

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	moulded
Colour anti-kink sleeve	yellow
Locking lever	Yes

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# DATASHEET

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

### General data

UL approbated | No

### Mechanical characteristics

Mating cycles |  $\geq 750$   
 Bending radius |  $> 30$  mm  
 Conductive shield | Selected shield contact

### Cable construction

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

### Cable sheath

Silicone-free | Yes  
 Jacket material | LSZH  
 Colour outer sheath | yellow  
 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

### Electrical characteristics

NVP value | 74 %  
 Impedance |  $100 \pm 15 \Omega$   
 Conductor resistance DC | 185  $\Omega$ /km  
 Loop resistance | 370  $\Omega$ /km  
 Resistance unbalance | 3 %  
 Insulation resistance | 10 M $\Omega$   
 Contact resistance | 30 m $\Omega$   
 Test voltage | 1000 (V DC, 1min) core/core und core/screen

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# DATASHEET

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

### Transmission characteristics

Bandwidth	500MHz
Transmission	10Gbit

### Standards, approvals, certifications

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

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

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