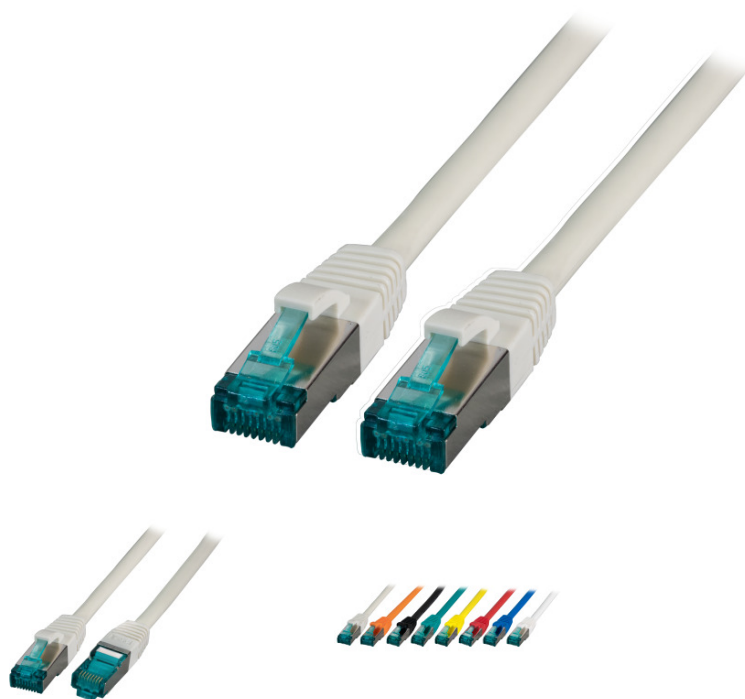


DATASHEET

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



Cat.6A 10 Gbit

500 MHz 100% CU



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	grey
Locking lever	Yes

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DATASHEET

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

General data

UL approbated | No

Mechanical characteristics

Mating cycles | ≥ 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 | 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

Electrical characteristics

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

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DATASHEET

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

Transmission characteristics

Bandwidth	500MHz
Transmission	10Gbit

Standards, approvals, certifications

Connector	IEC 60603-7-51
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Available variants

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

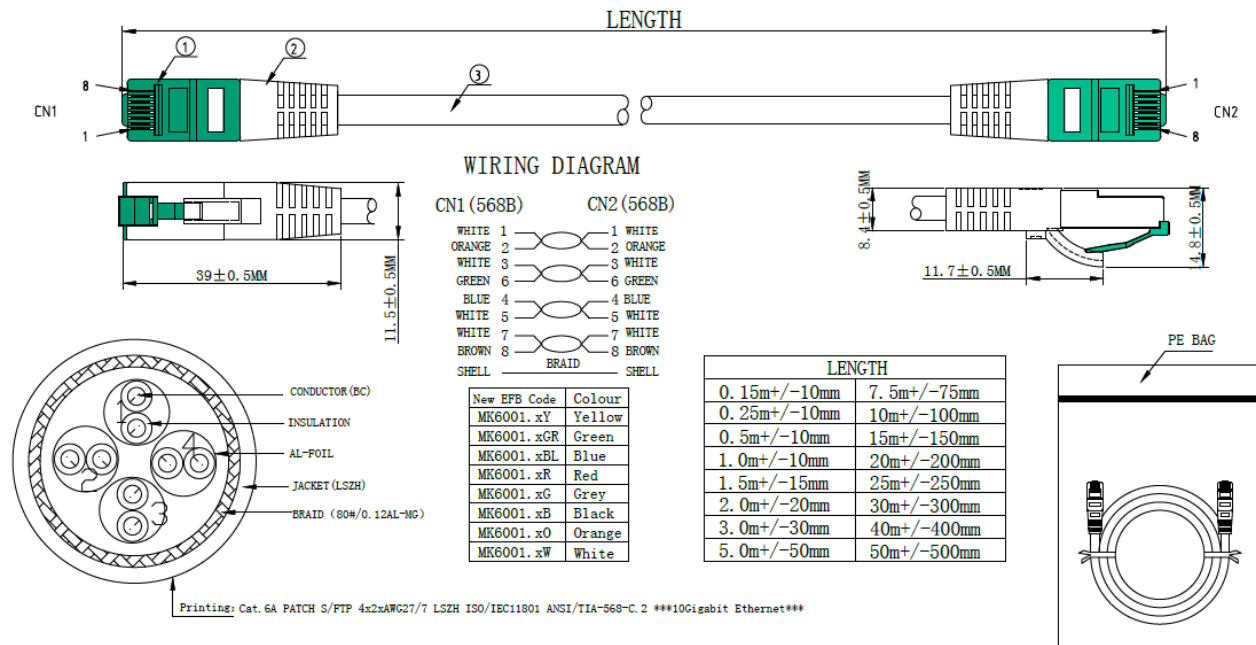
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DATASHEET

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

Technical drawings



similar product

MK6001.1W	RJ45 Patch cable S/FTP, Cat. 6A, white
MK6001.1O	RJ45 Patch cable S/FTP, Cat. 6A, orange
MK6001.1GR	RJ45 Patch cable S/FTP, Cat. 6A, green
MK6001.1R	RJ45 Patch cable S/FTP, Cat. 6A, red
MK6001.1BL	RJ45 Patch cable S/FTP, Cat. 6A, blue
MK6001.1Y	RJ45 Patch cable S/FTP, Cat. 6A, yellow
MK6001.1B	RJ45 Patch cable S/FTP, Cat. 6A, black

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