

DATASHEET

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



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	blue
Locking lever	Yes

This datasheet was created automatically on 03-03-2021 . Technical changes reserved.



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General data

UL approbated	No
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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	blue
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
Contact resistance	30 mΩ
Test voltage	1000 (V DC, 1min) core/core und core/screen

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Electrical characteristics

PoE class	PoE acc. to IEEE802.3af; PoE+ acc. to IEEE802.3at; 4PPoE acc. to IEEE802.3bt
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Transmission characteristics

Bandwidth	500MHz
Transmission	10Gbit

Standards, approvals, certifications

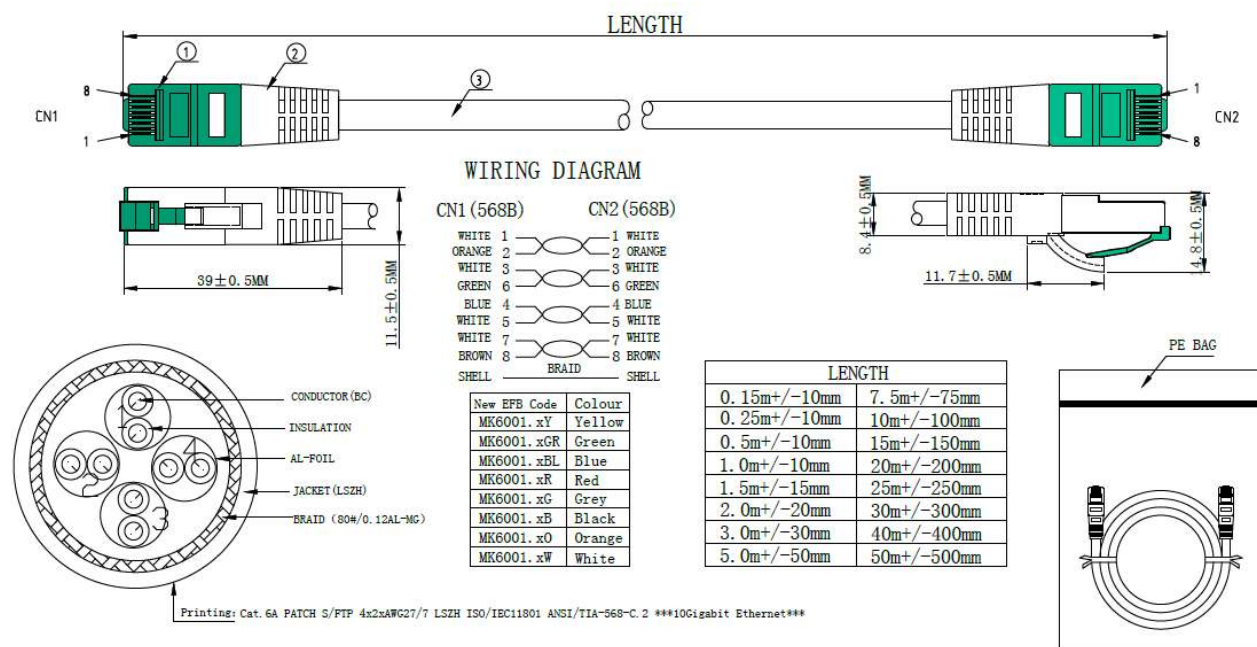
Connector	IEC 60603-7-51
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Available variants

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

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Technical drawings



similar product

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