

DATASHEET

RJ45 Patch cable S/FTP, Cat.8.1, BC, black



Description

The Cat.8.1 patch cable is suitable for 25GBASE-T and 40GBASE-T applications based on RJ45. The Cat.8.1 has a frequency range of up to 2000MHz and a maximum transmission distance of currently 30m.

Cable: S/FTP 4x2xAWG24/7

Jacket material: LSZH

Outer diameter: 8mm

Transmission standards: 25Gbit, 40Gbit

General data

Category	8.1
Type of connector connection 1	RJ45 8(8)
Type of connector connection 2	RJ45 8(8)
Connector type	RJ45 Standard
Pin assignment	1:1
Allocation	acc. TIA/EIA 568B
Type	Shielded
Length imprint	yes
Anti-kink sleeve	plugged in
Colour anti-kink sleeve	black
Locking lever	yes

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Mechanical characteristics

Mating cycles	750
Bending radius	5 x D
Conductive shield	Selected shield contact

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Cable structure	S/FTP
Cable construction	4x2
AWG-size/strands per core	24/7
Conductor Material	Copper

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Jacket material	LSZH
Colour outer sheath	black
Printing	CAT8 S/FTP 4x2x24AWG/7 LSZH 2000MHz ISO11801
Outer diameter of the cable	8 mm

Electrical characteristics

Impedance	100 ±15 Ω
Insulation resistance	10 MΩ
Contact resistance	5 mΩ

Transmission characteristics

Bandwidth	2000MHz
Transmission	25Gbit;40Gbit

Standards, approvals, certifications

Cabling Standard	ISO/IEC 11801;EN50173
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Available variants

Article no.	Title	Length
K5528SW.0,5	RJ45 Patch cable S/FTP, Cat.8.1, BC, LSZH, 0,5m, black	0.5 m
K5528SW.1	RJ45 Patch cable S/FTP, Cat.8.1, BC, LSZH, 1m, black	1.0 m
K5528SW.2	RJ45 Patch cable S/FTP, Cat.8.1, BC, LSZH, 2m, black	2.0 m
K5528SW.3	RJ45 Patch cable S/FTP, Cat.8.1, BC, LSZH, 3m, black	3.0 m
K5528SW.5	RJ45 Patch cable S/FTP, Cat.8.1, BC, LSZH, 5m, black	5.0 m
K5528SW.7,5	RJ45 Patch cable S/FTP, Cat.8.1, BC, LSZH, 7,5m, black	7.0 m
K5528SW.10	RJ45 Patch cable S/FTP, Cat.8.1, BC, LSZH, 10m, black	10.0 m

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Technical drawings

