

DATASHEET



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



General data

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

Length imprint on grommet

Allgemeine Daten

Suitable for degree of protection (IP)	IP20
Cable type	S/FTP
Pin assignment	1:1
Locking lever	True
Colour anti-kink sleeve	grey
Model	Shielded
Material outer sheath	LSZH
Contacts	Gold plated

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Allocation	acc. TIA/EIA 568B
Category	8.1
Connector type	RJ45 Standard
Area of Application	Industrial Ethernet
Length imprint	True
Colour outer sheath	grey
Current Rating	max. 1 A
Anti-kink sleeve	moulded-on

Mechanische Eigenschaften

Conductive shield	Selected shield contact
Mating cycles	≥750
Bending radius	>40 mm

Kabelaufbau

Type of connector connection 2	RJ45 8(8)
Type of connector connection 1	RJ45 8(8)
AWG-size	24/7
Conductor Material	Copper
Cable construction	4x2

Kabelmantel

Outer diameter of the cable	8 mm
Printing	CAT8 S/FTP 4x2x24AWG/7 LSZH 2000MHz ISO11801

Umgebungsbedingungen

Temperature range	0 - 60 °C
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Elektrische Eigenschaften

Insulation Resistance	10 MΩ
Impedance	100 ±15 Ω
POE class	PoE+ acc. to IEEE802.3at
Operating-/ tempering voltage	max. 50 V DC
Contact Resistance	5 mΩ

Übertragungstechnische Eigenschaften

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Bandwidth 2000MHz

Normen, Zulassungen, Zertifizierungen

Connector IEC 60603-7-81

Available variants

ArtNr.	Bezeichnung	Length	Längentoleranz
	RJ45 Patch cable S/FTP, Cat.8.1, BC, LSZH, 0,5m, grey	0.5 m	±5 %
	RJ45 Patch cable S/FTP, Cat.8.1, BC, LSZH, 1m, grey	1.0 m	±5 %
	RJ45 Patch cable S/FTP, Cat.8.1, BC, LSZH, 2m, grey	2.0 m	±5 %
	RJ45 Patch cable S/FTP, Cat.8.1, BC, LSZH, 3m, grey	3.0 m	±5 %
	RJ45 Patch cable S/FTP, Cat.8.1, BC, LSZH, 5m, grey	5.0 m	±5 %
	RJ45 Patch cable S/FTP, Cat.8.1, BC, LSZH, 7,5m, grey	7.5 m	±5 %
	RJ45 Patch cable S/FTP, Cat.8.1, BC, LSZH, 10m, grey	10.0 m	±5 %

Drawings

