

# Cable de conexión RJ45

## Cat.8.1 S/FTP LSZH BC



### 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
Model	Shielded
Jacket Material	LSZH
AWG-size	24/7
Length imprint	True

### General data

Cable type	S/FTP
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Pin assignment	1:1
Locking lever	True
Colour anti-kink sleeve	grey
Contacts	Gold plated
Allocation	acc. TIA/EIA 568B
Category	8.1
Connector type	RJ45 Standard
Area of Application	Industrial Ethernet
Colour outer sheath	grey
Anti-kink sleeve	moulded-on

### Mechanical characteristics

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

### Cable construction

Conductor Material	Copper
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### Kabelaufbau

Type of connector connection 2	RJ45 8(8)
Type of connector connection 1	RJ45 8(8)
Cable construction	4x2

### Kabelmantel

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

### Environmental conditions

Temperature range	0 – 60 °C
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### Electrical characteristics

Insulation Resistance	10 MΩ
Impedance	100 ±15 Ω
POE class	PoE+ acc. to IEEE802.3at
Current Rating	max. 1 A

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Contact Resistance | 5 mΩ

### Elektrische Eigenschaften

Operating-/ tempering voltage | max. 50 V DC

### Übertragungstechnische Eigenschaften

Bandwidth | 2000MHz

### Standards, approvals, certifications

Cabling standard | EN50173

Connector | IEC 60603-7-81

### Available variants

ArtNr.	Bezeichnung	Length	Längentoleranz
K5528GR.0,5	RJ45 Patch Cord Cat.8.1 S/FTP LSZH BC grey 0,5m	0.5 m	±5 %
K5528GR.1	RJ45 Patch Cord Cat.8.1 S/FTP LSZH BC grey 1m	1.0 m	±5 %
K5528GR.2	RJ45 Patch Cord Cat.8.1 S/FTP LSZH BC grey 2m	2.0 m	±5 %
K5528GR.3	RJ45 Patch Cord Cat.8.1 S/FTP LSZH BC grey 3m	3.0 m	±5 %
K5528GR.5	RJ45 Patch Cord Cat.8.1 S/FTP LSZH BC grey 5m	5.0 m	±5 %
K5528GR.7,5	RJ45 Patch Cord Cat.8.1 S/FTP LSZH BC grey 7,5m	7.5 m	±5 %
K5528GR.10	RJ45 Patch Cord Cat.8.1 S/FTP LSZH BC grey 10m	10.0 m	±5 %

### Drawings



Ideal Technology has a policy of continuous improvement. Specifications are subject to change without notice.