

# DATASHEET

## RJ45 Patch cable S/FTP, Cat.8.1, BC, grey



### 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	grey
Locking lever	yes

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### Mechanical characteristics

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

### Kabelaufbau

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

### Kabelmantel

Jacket material	LSZH
Colour outer sheath	grey
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
K5528GR.0,5	RJ45 Patch cable S/FTP, Cat.8.1, BC, LSZH, 0,5m, grey	0.5 m
K5528GR.1	RJ45 Patch cable S/FTP, Cat.8.1, BC, LSZH, 1m, grey	1.0 m
K5528GR.2	RJ45 Patch cable S/FTP, Cat.8.1, BC, LSZH, 2m, grey	2.0 m
K5528GR.3	RJ45 Patch cable S/FTP, Cat.8.1, BC, LSZH, 3m, grey	3.0 m
K5528GR.5	RJ45 Patch cable S/FTP, Cat.8.1, BC, LSZH, 5m, grey	5.0 m
K5528GR.7,5	RJ45 Patch cable S/FTP, Cat.8.1, BC, LSZH, 7,5m, grey	7.5 m
K5528GR.10	RJ45 Patch cable S/FTP, Cat.8.1, BC, LSZH, 10m, grey	10.0 m

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### Technical drawings

