

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



### 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        | blue              |
| 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         | blue                                         |
| 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 |
|------------------|-----------------------|

### Available variants

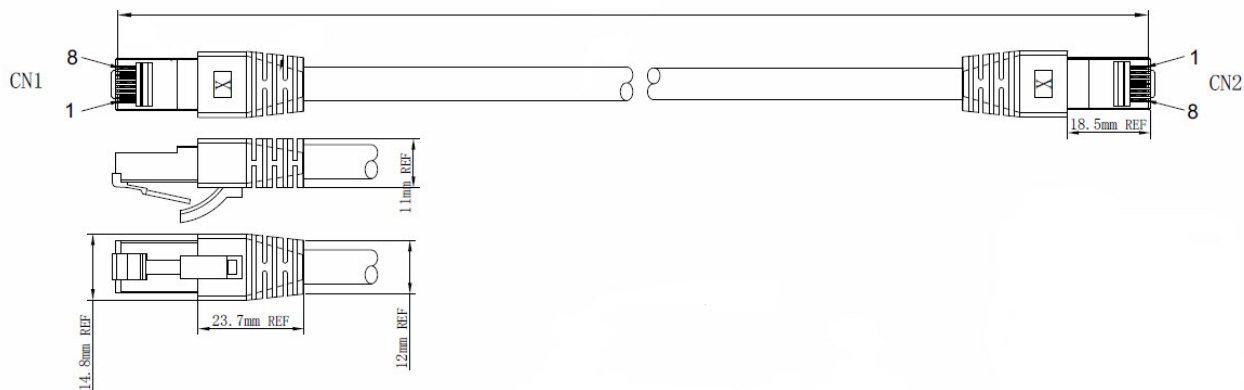
| Article no. | Title                                                 | Length |
|-------------|-------------------------------------------------------|--------|
| K5528BL.0,5 | RJ45 Patch cable S/FTP, Cat.8.1,BC, LSZH, 0,5m, blue  | 0.5 m  |
| K5528BL.1   | RJ45 Patch cable S/FTP, Cat.8.1, BC, LSZH, 1m, blue   | 1.0 m  |
| K5528BL.2   | RJ45 Patch cable S/FTP, Cat.8.1, BC, LSZH, 2m, blue   | 2.0 m  |
| K5528BL.3   | RJ45 Patch cable S/FTP, Cat.8.1, BC, LSZH, 3m, blue   | 3.0 m  |
| K5528BL.5   | RJ45 Patch cable S/FTP, Cat.8.1, BC, LSZH, 5m, blue   | 5.0 m  |
| K5528BL.7,5 | RJ45 Patch cable S/FTP, Cat.8.1, BC, LSZH, 7,5m, blue | 7.5 m  |
| K5528BL.10  | RJ45 Patch cable S/FTP, Cat.8.1, BC, LSZH, 10m, blue  | 10.0 m |

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# DATASHEET

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### Technical drawings



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