

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



### 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        | yellow            |
| Locking lever                  | yes               |

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### Mechanical characteristics

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

### Cable construction

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

### Cable sheath

|                             |                                              |
|-----------------------------|----------------------------------------------|
| Jacket material             | LSZH                                         |
| Colour outer sheath         | yellow                                       |
| 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 |
|-----------|---------|

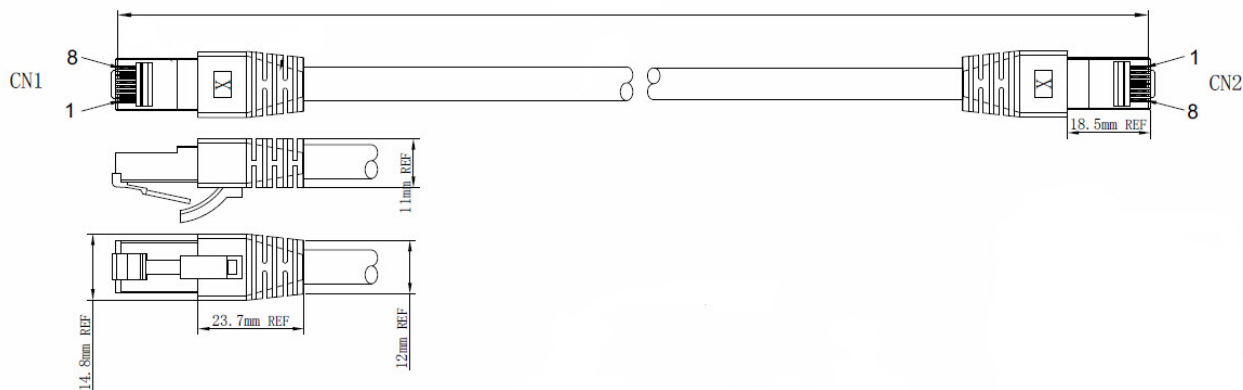
### Available variants

| Article no. | Title                                                   | Length |
|-------------|---------------------------------------------------------|--------|
| K5528GE.0,5 | RJ45 Patch cable S/FTP, Cat.8.1, BC, LSZH, 0,5m, yellow | 0.5 m  |
| K5528GE.1   | RJ45 Patch cable S/FTP, Cat.8.1, BC, LSZH, 1m, yellow   | 1.0 m  |
| K5528GE.2   | RJ45 Patch cable S/FTP, Cat.8.1, BC, LSZH, 2m, yellow   | 2.0 m  |
| K5528GE.3   | RJ45 Patch cable S/FTP, Cat.8.1, BC, LSZH, 3m, yellow   | 3.0 m  |
| K5528GE.5   | RJ45 Patch cable S/FTP, Cat.8.1, BC, LSZH, 5m, yellow   | 5.0 m  |
| K5528GE.7,5 | RJ45 Patch cable S/FTP, Cat.8.1, BC, LSZH, 7,5m, yellow | 7.5 m  |
| K5528GE.10  | RJ45 Patch cable S/FTP, Cat.8.1, BC, LSZH, 10m, yellow  | 10.0 m |

# DATASHEET

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### Technical drawings



### similar product

|           |                                            |
|-----------|--------------------------------------------|
| K5528SW.1 | RJ45 Patch cable S/FTP, Cat.8.1, BC, black |
| K5528GN.1 | RJ45 Patch cable S/FTP, Cat.8.1, BC, green |
| K5528GR.1 | RJ45 Patch cable S/FTP, Cat.8.1, BC, grey  |
| K5528RT.1 | RJ45 Patch cable S/FTP, Cat.8.1, BC, red   |
| K5528BL.1 | RJ45 Patch cable S/FTP Cat.8.1, BC, blue   |

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