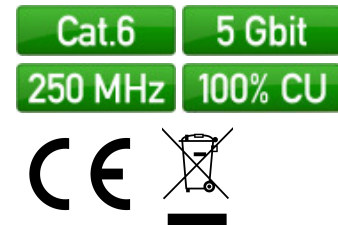


# DATASHEET

## RJ45 Patch cable S/FTP, Cat.6, LSZH, grey



### Description

The shielded Cat.6 RJ45 patch cable with ensures excellent performance for 5 Gigabit Ethernet applications.

Cross section 4 x 2 x AWG27/7

Moulded grommet (**patented**)

**Length imprint on the boot**

### General data

|                                |                   |
|--------------------------------|-------------------|
| Category                       | 6                 |
| Type of connector connection 1 | RJ45 8(8)         |
| Type of connector connection 2 | RJ45 8(8)         |
| Connector type                 | RJ45 Standard     |
| Contacts                       | Gold plated       |
| Pin assignment                 | 1:1               |
| Allocation                     | acc. TIA/EIA 568B |
| Type                           | Shielded          |
| Length imprint                 | yes               |
| Anti-kink sleeve               | moulded           |
| Colour anti-kink sleeve        | grey              |
| Locking lever                  | yes               |

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## RJ45 Patch cable S/FTP, Cat.6, LSZH, grey

### Mechanical characteristics

|                   |                         |
|-------------------|-------------------------|
| Mating cycles     | ≥750                    |
| Bending radius    | >31 mm                  |
| Conductive shield | Selected shield contact |

### Cable construction

|                           |        |
|---------------------------|--------|
| Cable structure           | S/FTP  |
| Cable construction        | 4x2    |
| AWG-size/strands per core | 27/7   |
| Conductor Material        | Copper |

### Cable sheath

|                             |                                                                                                       |
|-----------------------------|-------------------------------------------------------------------------------------------------------|
| Silicone-free               | yes                                                                                                   |
| Jacket material             | LSZH                                                                                                  |
| Colour outer sheath         | grey                                                                                                  |
| Printing                    | Cat.6 S/FTP 4x2xAWG27/7 PIMF ISO/IEC 11801 & EN50173-1 TIA/EIA 568B.2-1 Halogen Free<br>***Gigabit*** |
| Outer diameter of the cable | 6.2 mm                                                                                                |
| Flame-retardant             | acc. IEC60332-1                                                                                       |
| Halogen-free                | yes                                                                                                   |
| Low smoke                   | yes                                                                                                   |

### Environmental conditions

|                   |           |
|-------------------|-----------|
| Temperature range | 0 – 60 °C |
|-------------------|-----------|

### Electrical characteristics

|                         |          |
|-------------------------|----------|
| NVP value               | - %      |
| Conductor resistance DC | 185 Ω/km |
| Loop resistance         | 370 Ω/km |
| Resistance unbalance    | 5 %      |
| Insulation resistance   | 10 MΩ    |
| Contact resistance      | 30 mΩ    |

### Transmission characteristics

|              |        |
|--------------|--------|
| Bandwidth    | 250MHz |
| Transmission | 5Gbit  |

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## RJ45 Patch cable S/FTP, Cat.6, LSZH, grey

### Standards, approvals, certifications

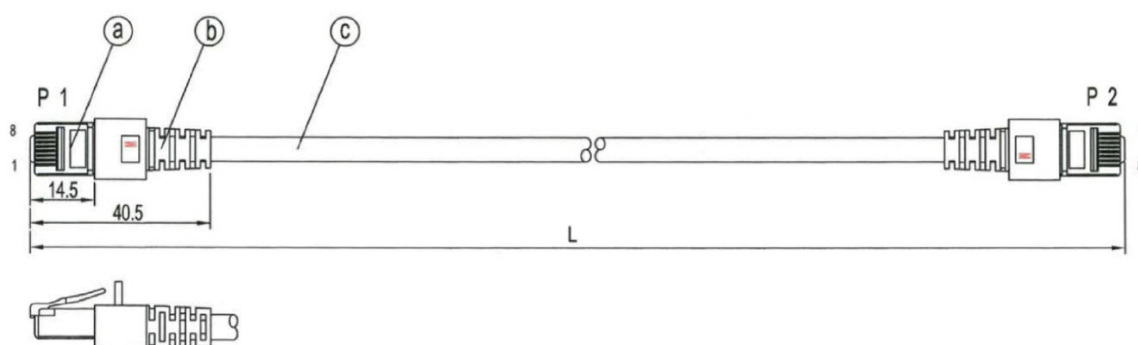
Connector

IEC 60603-7-5

### Available variants

| Article no. | Title                                            | Length |
|-------------|--------------------------------------------------|--------|
| K5510.0,15  | RJ45 Patch cable S/FTP, Cat.6, LSZH, 0.15m, grey | 0.15 m |
| K5510.0,25  | RJ45 Patch cable S/FTP, Cat.6, LSZH, 0.25m, grey | 0.25 m |
| K5510.0,5   | RJ45 Patch cable S/FTP, Cat.6, LSZH, 0.5m, grey  | 0.5 m  |
| K5510.0,75  | RJ45 Patch cable S/FTP, Cat.6, LSZH, 0.75m, grey | 0.75 m |
| K5510.1     | RJ45 Patch cable S/FTP, Cat.6, LSZH, 1m, grey    | 1.0 m  |
| K5510.1,5   | RJ45 Patch cable S/FTP, Cat.6, LSZH, 1.5m, grey  | 1.5 m  |
| K5510.2     | RJ45 Patch cable S/FTP, Cat.6, LSZH, 2m, grey    | 2.0 m  |
| K5510.3     | RJ45 Patch cable S/FTP, Cat.6, LSZH, 3m, grey    | 3.0 m  |
| K5510.5     | RJ45 Patch cable S/FTP, Cat.6, LSZH, 5m, grey    | 5.0 m  |
| K5510.7,5   | RJ45 Patch cable S/FTP, Cat.6, LSZH, 7.5m, grey  | 7.5 m  |
| K5510.10    | RJ45 Patch cable S/FTP, Cat.6, LSZH, 10m, grey   | 10.0 m |
| K5510.15    | RJ45 Patch cable S/FTP, Cat.6, LSZH, 15m, grey   | 15.0 m |
| K5510.20    | RJ45 Patch cable S/FTP, Cat.6, LSZH, 20m, grey   | 20.0 m |
| K5510.25    | RJ45 Patch cable S/FTP, Cat.6, LSZH, 25m, grey   | 25.0 m |
| K5510.30    | RJ45 Patch cable S/FTP, Cat.6, LSZH, 30m, grey   | 30.0 m |
| K5510.40    | RJ45 Patch cable S/FTP, Cat.6, LSZH, 40m, grey   | 40.0 m |
| K5510.50    | RJ45 Patch cable S/FTP, Cat.6, LSZH, 50m, grey   | 50.0 m |

### Technical drawings



### similar product

K5512.1 RJ45 Patch cable S/FTP, Cat.6, LSZH, red

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## RJ45 Patch cable S/FTP, Cat.6, LSZH, grey

### similar product

|         |                                              |
|---------|----------------------------------------------|
| K5521.1 | RJ45 Patch cable S/FTP, Cat.6, LSZH, violet  |
| K5519.1 | RJ45 Patch cable S/FTP, Cat.6, LSZH, magenta |
| K5518.1 | RJ45 Patch cable S/FTP, Cat.6, LSZH, white   |
| K5517.1 | RJ45 Patch cable S/FTP, Cat.6, LSZH, brown   |
| K5516.1 | RJ45 Patch cable S/FTP, Cat.6, LSZH, orange  |
| K5515.1 | RJ45 Patch cable S/FTP, Cat.6, LSZH, black   |
| K5514.1 | RJ45 Patch cable S/FTP, Cat.6, LSZH, green   |
| K5513.1 | RJ45 Patch cable S/FTP, Cat.6, LSZH, blue    |
| K5511.1 | RJ45 Patch cable S/FTP, Cat.6, LSZH, yellow  |

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