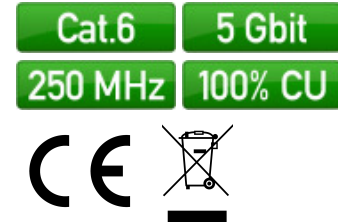


# DATASHEET

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



### 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        | brown             |
| Locking lever                  | yes               |

### Mechanical characteristics

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

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

### 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         | brown                                                                                                 |
| 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 |
|-----------|--------|

### Standards, approvals, certifications

|           |               |
|-----------|---------------|
| Connector | IEC 60603-7-5 |
|-----------|---------------|

### Available variants

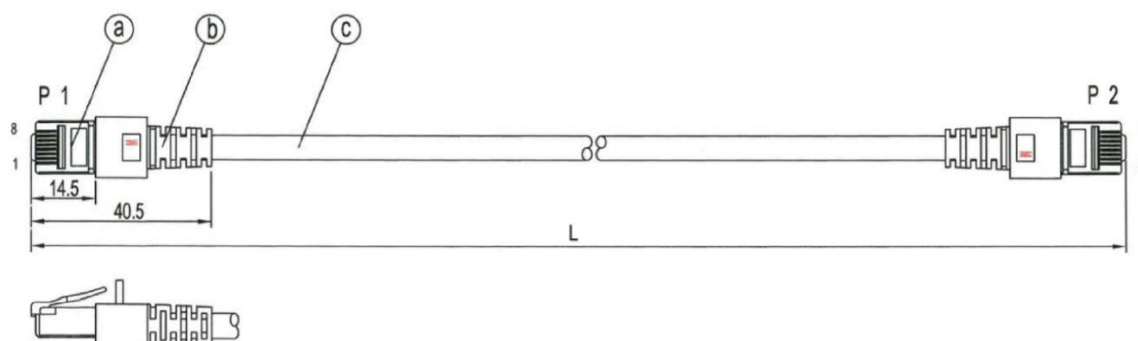
| Article no. | Title                                             | Length |
|-------------|---------------------------------------------------|--------|
| K5517.0,15  | RJ45 Patch cable S/FTP, Cat.6, LSZH, 0.15m, brown | 0.15 m |

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

|            |                                                   |        |
|------------|---------------------------------------------------|--------|
| K5517.0,25 | RJ45 Patch cable S/FTP, Cat.6, LSZH, 0.25m, brown | 0.25 m |
| K5517.0,5  | RJ45 Patch cable S/FTP, Cat.6, LSZH, 0.5m, brown  | 0.5 m  |
| K5517.1    | RJ45 Patch cable S/FTP, Cat.6, LSZH, 1m, brown    | 1.0 m  |
| K5517.1,5  | RJ45 Patch cable S/FTP, Cat.6, LSZH, 1.5m, brown  | 1.5 m  |
| K5517.2    | RJ45 Patch cable S/FTP, Cat.6, LSZH, 2m, brown    | 2.0 m  |
| K5517.3    | RJ45 Patch cable S/FTP, Cat.6, LSZH, 3m, brown    | 3.0 m  |
| K5517.5    | RJ45 Patch cable S/FTP, Cat.6, LSZH, 5m, brown    | 5.0 m  |
| K5517.7,5  | RJ45 Patch cable S/FTP, Cat.6, LSZH, 7.5m, brown  | 7.5 m  |
| K5517.10   | RJ45 Patch cable S/FTP, Cat.6, LSZH, 10m, brown   | 10.0 m |
| K5517.15   | RJ45 Patch cable S/FTP, Cat.6, LSZH, 15m, brown   | 15.0 m |
| K5517.20   | RJ45 Patch cable S/FTP, Cat.6, LSZH, 20m, brown   | 20.0 m |
| K5517.25   | RJ45 Patch cable S/FTP, Cat.6, LSZH, 25m, brown   | 25.0 m |
| K5517.30   | RJ45 Patch cable S/FTP, Cat.6, LSZH, 30m, brown   | 30.0 m |
| K5517.40   | RJ45 Patch cable S/FTP, Cat.6, LSZH, 40m, brown   | 40.0 m |
| K5517.50   | RJ45 Patch cable S/FTP, Cat.6, LSZH, 50m, brown   | 50.0 m |

### Technical drawings



### 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   |
| K5516.1 | RJ45 Patch cable S/FTP, Cat.6, LSZH, orange  |
| K5514.1 | RJ45 Patch cable S/FTP, Cat.6, LSZH, green   |
| K5513.1 | RJ45 Patch cable S/FTP, Cat.6, LSZH, blue    |
| K5515.1 | RJ45 Patch cable S/FTP, Cat.6, LSZH, black   |
| K5512.1 | RJ45 Patch cable S/FTP, Cat.6, LSZH, red     |
| K5511.1 | RJ45 Patch cable S/FTP, Cat.6, LSZH, yellow  |

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# DATASHEET

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

### similar product

K5510.1

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

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