# DATASHEET

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









**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 | orange |
| Locking lever | yes |



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| 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 | orange |
| Printing | Cat.6 S/FTP 4x2xAWG27/7 PIMF ISO/IEC 11801 & EN50173-1 TIA/EIA 568B.2-1 Halogen Free ***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 |

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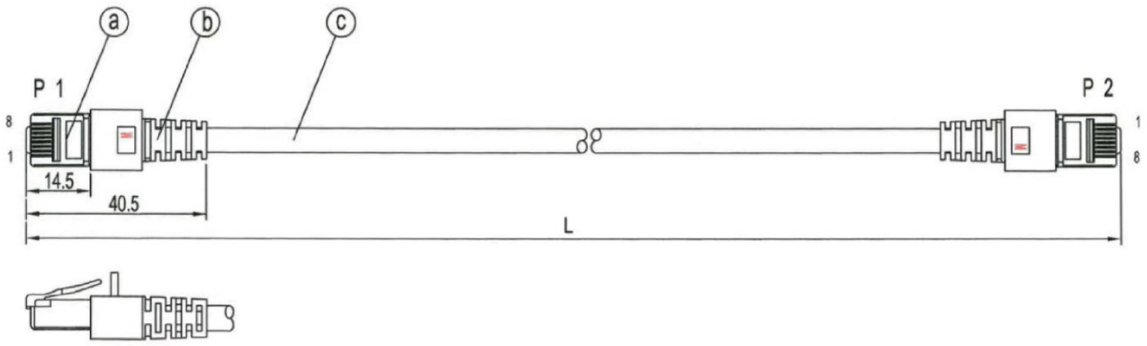
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## RJ45 Patch cable S/FTP, Cat.6, LSZH, orange

### Available variants

| Article no. | Title | Length |
|---|---|---|
| K5516.0,15 | RJ45 Patch cable S/FTP, Cat.6, LSZH, 0.15m, orange | 0.15 m |
| K5516.0,25 | RJ45 Patch cable S/FTP, Cat.6, LSZH, 0.25m, orange | 0.25 m |
| K5516.0,5 | RJ45 Patch cable S/FTP, Cat.6, LSZH, 0.5m, orange | 0.5 m |
| K5516.1 | RJ45 Patch cable S/FTP, Cat.6, LSZH, 1m, orange | 1.0 m |
| K5516.1,5 | RJ45 Patch cable S/FTP, Cat.6, LSZH, 1.5m, orange | 1.5 m |
| K5516.2 | RJ45 Patch cable S/FTP, Cat.6, LSZH, 2m, orange | 2.0 m |
| K5516.3 | RJ45 Patch cable S/FTP, Cat.6, LSZH, 3m, orange | 3.0 m |
| K5516.5 | RJ45 Patch cable S/FTP, Cat.6, LSZH, 5m, orange | 5.0 m |
| K5516.7,5 | RJ45 Patch cable S/FTP, Cat.6, LSZH, 7.5m, orange | 7.5 m |
| K5516.10 | RJ45 Patch cable S/FTP, Cat.6, LSZH, 10m, orange | 10.0 m |
| K5516.15 | RJ45 Patch cable S/FTP, Cat.6, LSZH, 15m, orange | 15.0 m |
| K5516.20 | RJ45 Patch cable S/FTP, Cat.6, LSZH, 20m, orange | 20.0 m |
| K5516.25 | RJ45 Patch cable S/FTP, Cat.6, LSZH, 25m, orange | 25.0 m |
| K5516.30 | RJ45 Patch cable S/FTP, Cat.6, LSZH, 30m, orange | 30.0 m |
| K5516.40 | RJ45 Patch cable S/FTP, Cat.6, LSZH, 40m, orange | 40.0 m |
| K5516.50 | RJ45 Patch cable S/FTP, Cat.6, LSZH, 50m, orange | 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 |
| K5517.1 | RJ45 Patch cable S/FTP, Cat.6, LSZH, brown |
| K5514.1 | RJ45 Patch cable S/FTP, Cat.6, LSZH, green |
| K5513.1 | RJ45 Patch cable S/FTP, Cat.6, LSZH, blue |

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| similar product | |
|---|---|
| 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 |
| K5510.1 | RJ45 Patch cable S/FTP, Cat.6, LSZH, grey |

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