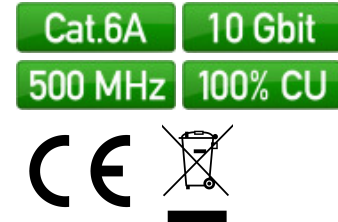


## RJ45 Patch cable S/FTP, Cat.6A, LSZH, Cat.7 Raw cable, grey



### Description

The shielded Cat.6A RJ45 patch cable with ensures excellent performance for 10 Gigabit Ethernet applications. The moulded grommet captivates with its **slim design** and thus simplifies the insertion process in cramped conditions.

Cross section 4 x 2 x AWG26 / 7

Moulded grommet, slim design

### Length imprint on the boot

### General data

|                                |                      |
|--------------------------------|----------------------|
| Category                       | 6A (TIA)             |
| Type of connector connection 1 | RJ45 8(8)            |
| Type of connector connection 2 | RJ45 8(8)            |
| Connector type                 | RJ45 Standard yellow |
| Contacts                       | 3 µ" 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                  |

### Mechanical characteristics

|                   |                         |
|-------------------|-------------------------|
| Mating cycles     | 1000                    |
| Bending radius    | >32.5 mm                |
| Conductive shield | Selected shield contact |

This datasheet was created automatically on 11-09-2019 . Technical changes reserved.



## RJ45 Patch cable S/FTP, Cat.6A, LSZH, Cat.7 Raw cable, grey

### Kabelaufbau

|                           |        |
|---------------------------|--------|
| Raw cable                 | Cat.7  |
| Cable structure           | S/FTP  |
| Cable construction        | 4x2    |
| AWG-size/strands per core | 26/7   |
| Conductor Material        | Copper |

### Kabelmantel

|                             |                                                                                                                             |
|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| Silicone-free               | yes                                                                                                                         |
| Jacket material             | LSZH                                                                                                                        |
| Colour outer sheath         | grey                                                                                                                        |
| Printing                    | Cat.7 raw cable S/FTP 4x2xAWG26/7 PIMF 600MHz<br>ISO/IEC 11801 & EN50173-1 TIA/EIA 568B-2.1 Halogen<br>Free ***10GIGABIT*** |
| Outer diameter of the cable | 6.5 mm                                                                                                                      |
| Flame-retardant             | acc. IEC60332-1                                                                                                             |
| Halogen-free                | acc. IEC60754-2                                                                                                             |
| Low smoke                   | acc. IEC61034                                                                                                               |

### Environmental conditions

|                   |             |
|-------------------|-------------|
| Temperature range | -20 – 60 °C |
|-------------------|-------------|

### Electrical characteristics

|                                 |                |
|---------------------------------|----------------|
| Impedance                       | 100 ±5 Ω       |
| Conductor resistance DC         | 146 Ω/km       |
| Loop resistance                 | 292 Ω/km       |
| Resistance unbalance            | 5 %            |
| Insulation resistance           | 10 MΩ          |
| Contact resistance              | 30 mΩ          |
| Dielectric Withstanding Voltage | 300 V DC, 1min |

### Transmission characteristics

|              |        |
|--------------|--------|
| Bandwidth    | 500MHz |
| Transmission | 10Gbit |

### Standards, approvals, certifications

|           |                |
|-----------|----------------|
| Connector | IEC 60603-7-51 |
|-----------|----------------|

## RJ45 Patch cable S/FTP, Cat.6A, LSZH, Cat.7 Raw cable, grey

### Available variants

| Article no.  | Title                                                              | Length |
|--------------|--------------------------------------------------------------------|--------|
| MK7001.0,25G | RJ45 Patch cable S/FTP, Cat.6A, LSZH, Cat.7 Raw cable, 0,25m, grey | 0.25 m |
| MK7001.0,5G  | RJ45 Patch cable S/FTP, Cat.6A, LSZH, Cat.7 Raw cable, 0,5m, grey  | 0.5 m  |
| MK7001.1G    | RJ45 Patch cable S/FTP, Cat.6A, LSZH, Cat.7 Raw cable, 1m, grey    | 1.0 m  |
| MK7001.1,5G  | RJ45 Patch cable S/FTP, Cat.6A, LSZH, Cat.7 Raw cable, 1,5m, grey  | 1.5 m  |
| MK7001.2G    | RJ45 Patch cable S/FTP, Cat.6A, LSZH, Cat.7 Raw cable, 2m, grey    | 2.0 m  |
| MK7001.3G    | RJ45 Patch cable S/FTP, Cat.6A, LSZH, Cat.7 Raw cable, 3m, grey    | 3.0 m  |
| MK7001.5G    | RJ45 Patch cable S/FTP, Cat.6A, LSZH, Cat.7 Raw cable, 5m, grey    | 5.0 m  |
| MK7001.7,5G  | RJ45 Patch cable S/FTP, Cat.6A, LSZH, Cat.7 Raw cable, 7,5m, grey  | 7.5 m  |
| MK7001.10G   | RJ45 Patch cable S/FTP, Cat.6A, LSZH, Cat.7 Raw cable, 10m, grey   | 10.0 m |
| MK7001.15G   | RJ45 Patch cable S/FTP, Cat.6A, LSZH, Cat.7 Raw cable, 15m, grey   | 15.0 m |
| MK7001.20G   | RJ45 Patch cable S/FTP, Cat.6A, LSZH, Cat.7 Raw cable, 20m, grey   | 20.0 m |
| MK7001.25G   | RJ45 Patch cable S/FTP, Cat.6A, LSZH, Cat.7 Raw cable, 25m, grey   | 25.0 m |
| MK7001.30G   | RJ45 Patch cable S/FTP, Cat.6A, LSZH, Cat.7 Raw cable, 30m, grey   | 30.0 m |

### similar product

|            |                                                               |
|------------|---------------------------------------------------------------|
| MK7001.1B  | RJ45 Patch cable S/FTP, Cat.6A, LSZH, Cat.7 Raw cable, black  |
| MK7001.1W  | RJ45 Patch cable S/FTP, Cat.6A, LSZH, Cat.7 Raw cable, white  |
| MK7001.1O  | RJ45 Patch cable S/FTP, Cat.6A, LSZH, Cat.7 Raw cable, orange |
| MK7001.1Y  | RJ45 Patch cable S/FTP, Cat.6A, LSZH, Cat.7 Raw cable, yellow |
| MK7001.1GR | RJ45 Patch cable S/FTP, Cat.6A, LSZH, Cat.7 Raw cable, green  |
| MK7001.1BL | RJ45 Patch cable S/FTP, Cat.6A, LSZH, Cat.7 Raw cable, blue   |
| MK7001.1R  | RJ45 Patch cable S/FTP, Cat.6A, LSZH, Cat.7 Raw cable, rot    |

