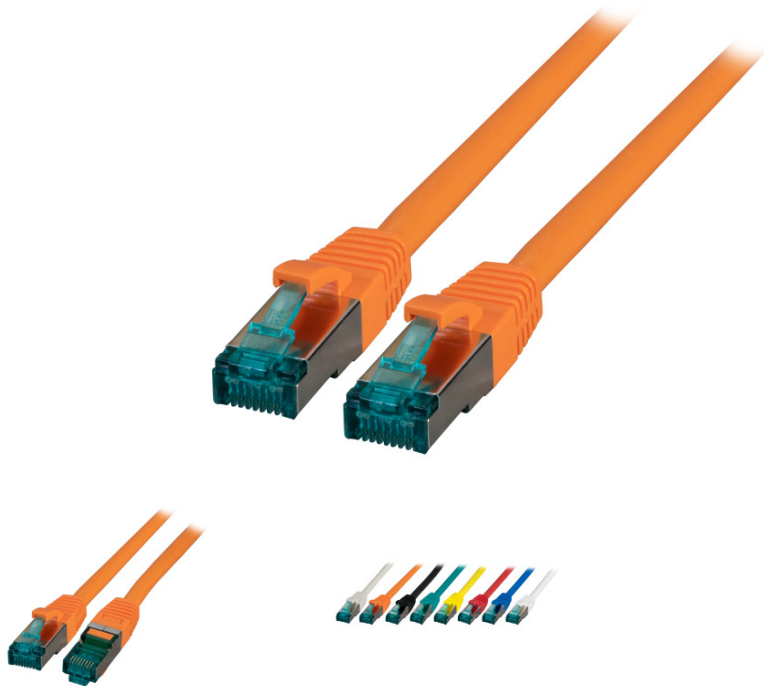


## RJ45 Patch cable S/FTP, Cat. 6A, orange



|         |         |
|---------|---------|
| Cat.6A  | 10 Gbit |
| 500 MHz | 100% CU |



### 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 AWG27/7

**Length imprint on boot**

Available in **8 colours**

### 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 green |
| 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                 |

This datasheet was created automatically on 03-03-2021 . Technical changes reserved.



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

### General data

|               |    |
|---------------|----|
| UL approbated | No |
|---------------|----|

### Mechanical characteristics

|                   |                         |
|-------------------|-------------------------|
| Mating cycles     | ≥750                    |
| Bending radius    | >30 mm                  |
| Conductive shield | Selected shield contact |

### Cable construction

|                           |        |
|---------------------------|--------|
| Raw cable                 | Cat.6A |
| Cable structure           | S/FTP  |
| Total screening           | 80 %   |
| 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.6A PATCH S/FTP 4x2xAWG27/7 LSZH ISO/IEC11801 ANSI/TIA-568-C.2 ***10Gigabit Ethernet*** |
| Outer diameter of the cable | 6.0 mm                                                                                     |
| Flame-retardant             | Yes                                                                                        |
| Halogen-free                | Yes                                                                                        |
| Low smoke                   | Yes                                                                                        |

### Environmental conditions

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

### Electrical characteristics

|                         |                                             |
|-------------------------|---------------------------------------------|
| NVP value               | 74 %                                        |
| Impedance               | 100 ±15 Ω                                   |
| Conductor resistance DC | 185 Ω/km                                    |
| Loop resistance         | 370 Ω/km                                    |
| Resistance unbalance    | 3 %                                         |
| Insulation resistance   | 10 MΩ                                       |
| Contact resistance      | 30 mΩ                                       |
| Test voltage            | 1000 (V DC, 1min) core/core und core/screen |

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

### Electrical characteristics

|           |                                                                              |
|-----------|------------------------------------------------------------------------------|
| PoE class | PoE acc. to IEEE802.3af; PoE+ acc. to IEEE802.3at; 4PPoE acc. to IEEE802.3bt |
|-----------|------------------------------------------------------------------------------|

### Transmission characteristics

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

### Standards, approvals, certifications

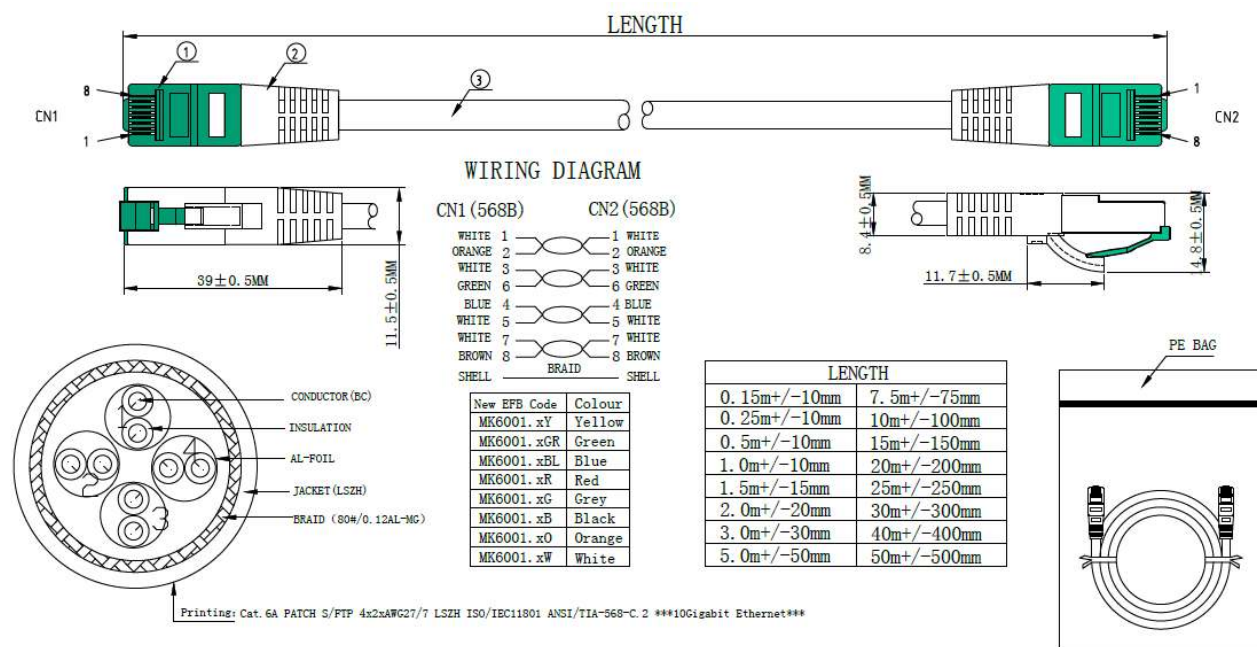
|           |                |
|-----------|----------------|
| Connector | IEC 60603-7-51 |
|-----------|----------------|

### Available variants

| Article no.  | Title                                               | Length |
|--------------|-----------------------------------------------------|--------|
| MK6001.0,15O | RJ45 Patch cable S/FTP, Cat.6A, LSZH, 0.15m, orange | 0.15 m |
| MK6001.0,25O | RJ45 Patch cable S/FTP, Cat.6A, LSZH, 0.25m, orange | 0.25 m |
| MK6001.0,5O  | RJ45 Patch cable S/FTP, Cat.6A, LSZH, 0.5m, orange  | 0.5 m  |
| MK6001.1O    | RJ45 Patch cable S/FTP, Cat.6A, LSZH, 1m, orange    | 1.0 m  |
| MK6001.1,5O  | RJ45 Patch cable S/FTP, Cat.6A, LSZH, 1.5m, orange  | 1.5 m  |
| MK6001.2O    | RJ45 Patch cable S/FTP, Cat.6A, LSZH, 2m, orange    | 2.0 m  |
| MK6001.3O    | RJ45 Patch cable S/FTP, Cat.6A, LSZH, 3m, orange    | 3.0 m  |
| MK6001.5O    | RJ45 Patch cable S/FTP, Cat.6A, LSZH, 5m, orange    | 5.0 m  |
| MK6001.7,5O  | RJ45 Patch cable S/FTP, Cat.6A, LSZH, 7.5m, orange  | 7.5 m  |
| MK6001.10O   | RJ45 Patch cable S/FTP, Cat.6A, LSZH, 10m, orange   | 10.0 m |
| MK6001.15O   | RJ45 Patch cable S/FTP, Cat.6A, LSZH, 15m, orange   | 15.0 m |
| MK6001.20O   | RJ45 Patch cable S/FTP, Cat.6A, LSZH, 20m, orange   | 20.0 m |
| MK6001.25O   | RJ45 Patch cable S/FTP, Cat.6A, LSZH, 25m, orange   | 25.0 m |
| MK6001.30O   | RJ45 Patch cable S/FTP, Cat.6A, LSZH, 30m, orange   | 30.0 m |
| MK6001.40O   | RJ45 Patch cable S/FTP, Cat.6A, LSZH, 40m, orange   | 40.0 m |
| MK6001.50O   | RJ45 Patch cable S/FTP, Cat.6A, LSZH, 50m, orange   | 50.0 m |

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

### Technical drawings



### similar product

|            |                                         |
|------------|-----------------------------------------|
| MK6001.1W  | RJ45 Patch cable S/FTP, Cat. 6A, white  |
| MK6001.1G  | RJ45 Patch cable S/FTP, Cat. 6A, grey   |
| MK6001.1GR | RJ45 Patch cable S/FTP, Cat. 6A, green  |
| MK6001.1R  | RJ45 Patch cable S/FTP, Cat. 6A, red    |
| MK6001.1BL | RJ45 Patch cable S/FTP, Cat. 6A, blue   |
| MK6001.1Y  | RJ45 Patch cable S/FTP, Cat. 6A, yellow |
| MK6001.1B  | RJ45 Patch cable S/FTP, Cat. 6A, black  |