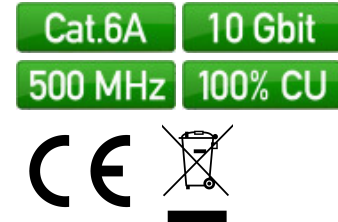


## RJ45 Patch cable U/UTP, Cat.6A, Raw cable TPE, 3,6mm ultraflex, black



### Description

The shielded Cat.6A RJ45 patch cable ensures excellent performance for **10 Gigabit** Ethernet applications. The **TPE** outer sheath makes the cable **highly flexible** and thus easier to handle. The moulded grommet captivates with its **slim design** and simplifies the plugging process in cramped conditions. The **short connector** in combination with the **thin outer jacket** enables a very **high packing density**.

Cross section: 4 x 2 x **AWG30/7**

Cable diameter: **3,6mm**

Cable structure: U/UTP

### General data

|                                |                    |
|--------------------------------|--------------------|
| Category                       | 6A (TIA)           |
| Type of connector connection 1 | RJ45 8(8)          |
| Type of connector connection 2 | RJ45 8(8)          |
| Connector type                 | RJ45 short version |
| Contacts                       | 3 µ" gold plated   |
| Pin assignment                 | 1:1                |
| Allocation                     | acc. TIA/EIA 568B  |
| Type                           | Unshielded         |
| Anti-kink sleeve               | moulded            |
| Colour anti-kink sleeve        | black              |
| Locking lever                  | Yes                |

### Mechanical characteristics

|                |       |
|----------------|-------|
| Mating cycles  | 2000  |
| Bending radius | 15 mm |

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## RJ45 Patch cable U/UTP, Cat.6A, Raw cable TPE, 3,6mm ultraflex, black

### Cable construction

|                           |        |
|---------------------------|--------|
| Cable structure           | U/UTP  |
| Cable construction        | 4x2    |
| AWG-size/strands per core | 30/7   |
| Conductor Material        | Copper |

### Cable sheath

|                             |                                          |
|-----------------------------|------------------------------------------|
| Silicone-free               | yes                                      |
| Jacket material             | TPE/LSZH                                 |
| Colour outer sheath         | black                                    |
| Printing                    | Cat.6A Patchcord ULTRAFLEX U/UTP TPE 10G |
| Outer diameter of the cable | 3.6 mm                                   |
| Low smoke                   | Yes                                      |

### Environmental conditions

|                   |             |
|-------------------|-------------|
| Temperature range | -20 – 75 °C |
|-------------------|-------------|

### Electrical characteristics

|                         |                                             |
|-------------------------|---------------------------------------------|
| NVP value               | 76 %                                        |
| Impedance               | 100 ±15 Ω                                   |
| Conductor resistance DC | 376 Ω/km                                    |
| Loop resistance         | <371 Ω/km                                   |
| Resistance unbalance    | <4 %                                        |
| Insulation resistance   | 100 MΩ                                      |
| Contact resistance      | <20 mΩ                                      |
| Test voltage            | 1000 (V DC, 1min) core/core und core/screen |

### Transmission characteristics

|           |        |
|-----------|--------|
| Bandwidth | 500MHz |
|-----------|--------|

### Standards, approvals, certifications

|           |                |
|-----------|----------------|
| Connector | IEC 60603-7-41 |
|-----------|----------------|

### Available variants

| Article no.  | Title                                                                       | Length |
|--------------|-----------------------------------------------------------------------------|--------|
| K8108SW.0,15 | RJ45 Patch cable U/UTP, Cat.6A, Raw cable TPE 3,6mm ultraflex, 0,15m, black | 0.15 m |
| K8108SW.0,25 | RJ45 Patch cable U/UTP, Cat.6A, Raw cable TPE 3,6mm ultraflex, 0,25m, black | 0.25 m |
| K8108SW.0,5  | RJ45 Patch cable U/UTP, Cat.6A, Raw cable TPE 3,6mm ultraflex, 0,5m, black  | 0.5 m  |

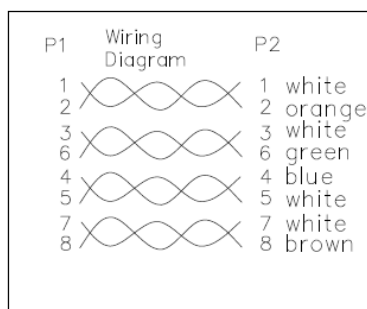
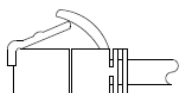
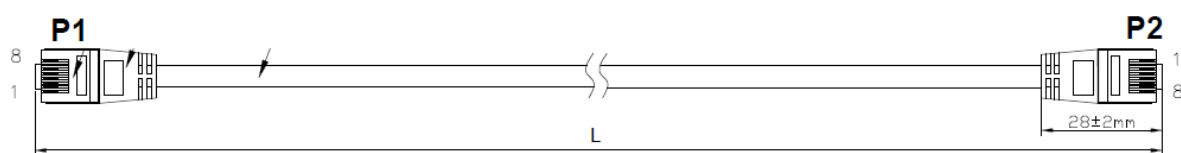
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## RJ45 Patch cable U/UTP, Cat.6A, Raw cable TPE, 3,6mm ultraflex, black

|           |                                                                          |       |
|-----------|--------------------------------------------------------------------------|-------|
| K8108SW.1 | RJ45 Patch cable U/UTP, Cat.6A, Raw cable TPE 3,6mm ultraflex, 1m, black | 1.0 m |
| K8108SW.2 | RJ45 Patch cable U/UTP, Cat.6A, Raw cable TPE 3,6mm ultraflex, 2m, black | 2.0 m |
| K8108SW.3 | RJ45 Patch cable U/UTP, Cat.6A, Raw cable TPE 3,6mm ultraflex, 3m, black | 3.0 m |
| K8108SW.5 | RJ45 Patch cable U/UTP, Cat.6A, Raw cable TPE 3,6mm ultraflex, 5m, black | 5.0 m |

### Technical drawings



| Length(L)   | Item No.  | Color |
|-------------|-----------|-------|
| 0.15m+/-5mm | K8108SW.x | Black |
| 0.25m+/-5mm | K8108WS.x | White |
| 0.5m+/-5mm  |           |       |
| 1m+/-10mm   |           |       |
| 2m+/-20mm   |           |       |
| 3m+/-30mm   |           |       |
| 5m+/-50mm   |           |       |

