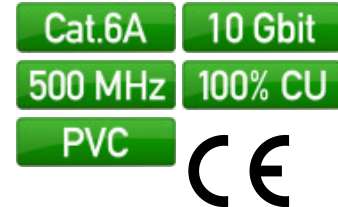


## RJ45 Flat patch cable U/UTP, Cat.6A, PVC, black



### Description

The unshielded Cat.6A RJ45 **flat patch cable** ensures excellent performance for **10 Gigabit Ethernet** applications. The flat patch cable impresses with its flat construction and is with **1.6mm height ideal for laying e.g. behind ledges or under a carpet**. The cast grommet captivates with its **slim design** and thus simplifies the plugging process in confined spaces.

Sheath material: PVC

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

Cable diameter: **6.0x1.6mm**

Plug type: **short plug**

### 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    | 10 mm                   |
| Conductive shield | Selected shield contact |

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## RJ45 Flat patch cable U/UTP, Cat.6A, PVC, 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             | PVC                                     |
| Colour outer sheath         | black                                   |
| Printing                    | SLIM PATCHCABLE U/UTP CAT.6A ***10GB*** |
| Outer diameter of the cable | 6.0*1.6 mm                              |

### Environmental conditions

|                   |             |
|-------------------|-------------|
| Temperature range | -20 – 55 °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                                       |
| Test voltage            | 1000 (V DC, 1 min) core/core und core/screen |

### Transmission characteristics

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

### Standards, approvals, certifications

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

### Available variants

| Article no.  | Title                                                  | Length |
|--------------|--------------------------------------------------------|--------|
| K8107SW.0,25 | RJ45 Flat Patch cable U/UTP, Cat.6A, PVC, 0,25m, black | 0.25 m |
| K8107SW.0,5  | RJ45 Flat Patch cable U/UTP, Cat.6A, PVC, 0,5m, black  | 0.5 m  |
| K8107SW.1    | RJ45 Flat Patch cable U/UTP, Cat.6A, PVC, 1m, black    | 1.0 m  |
| K8107SW.1,5  | RJ45 Flat Patch cable U/UTP, Cat.6A, PVC, 1,5m, black  | 1.5 m  |
| K8107SW.2    | RJ45 Flat Patch cable U/UTP, Cat.6A, PVC, 2m, black    | 2.0 m  |

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# DATASHEET

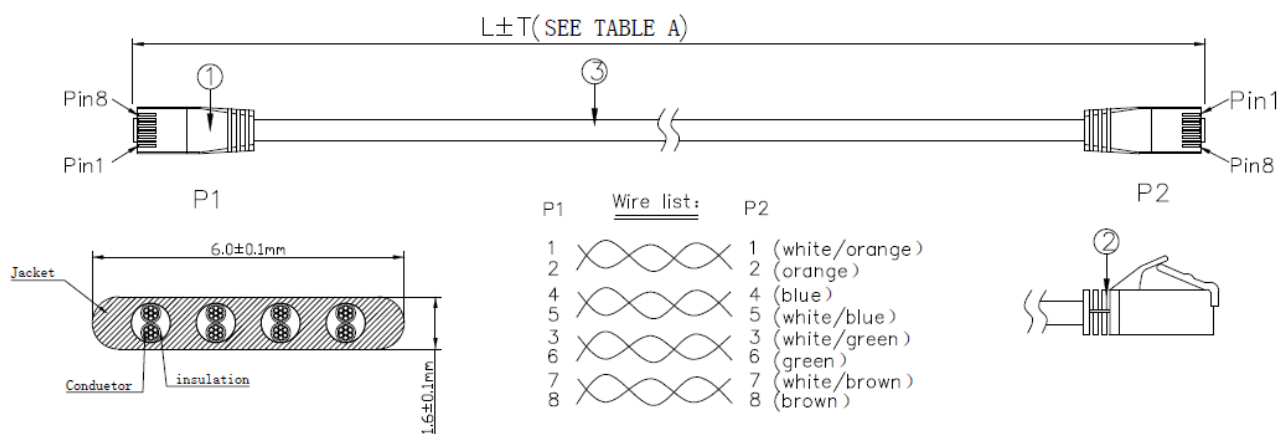
## RJ45 Flat patch cable U/UTP, Cat.6A, PVC, black

K8107SW.5

RJ45 Flat Patch cable U/UTP, Cat.6A, PVC, 5m, black

5.0 m

### Technical drawings



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