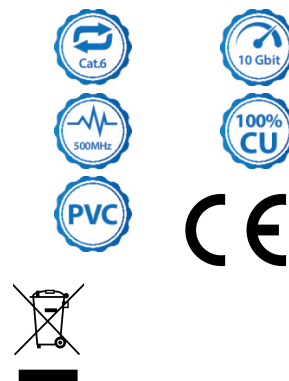


DATASHEET

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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DATASHEET

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Cable construction

| | |
|--------------------|--------|
| Cable type | U/UTP |
| Cable construction | 4x2 |
| AWG-size | 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, 1min) core/core und core/screen |
| POE class | PoE acc. to IEEE802.3af;PoE+ acc. to IEEE802.3at;4PPoE acc. to IEEE802.3bt |

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 |

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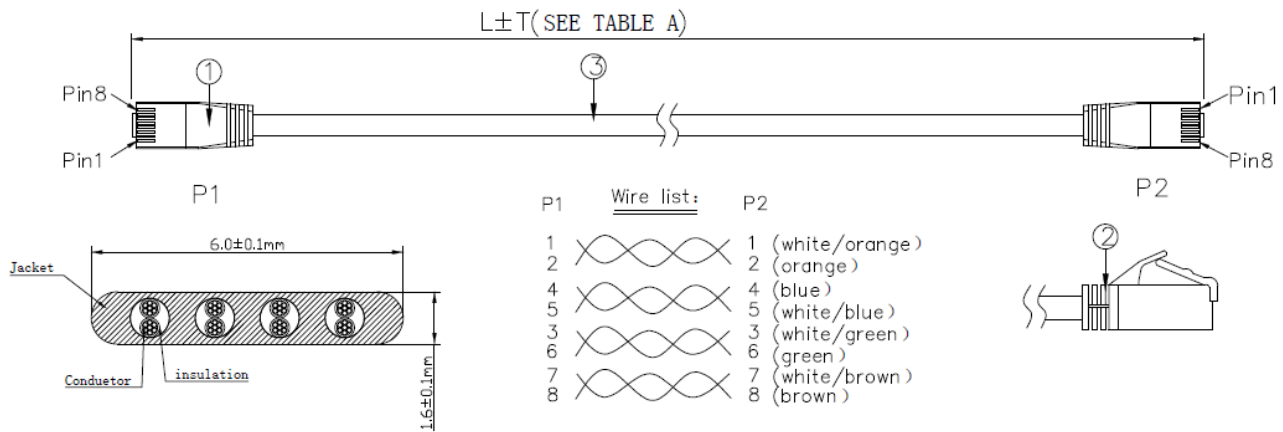


DATASHEET

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

| | | |
|-------------|---|-------|
| 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 |
| K8107SW.5 | RJ45 Flat Patch cable U/UTP, Cat.6A, PVC, 5m, black | 5.0 m |

Technical drawings



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