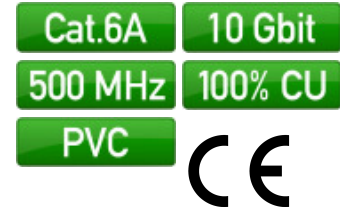


# DATASHEET

## RJ45 Flat patch cable U/FTP, Cat.6A, PVC, blue



### Description

The pair-shielded 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 **2.2mm 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: **7.0x2.2mm**

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                       | Gold plated        |
| Pin assignment                 | 1:1                |
| Allocation                     | acc. TIA/EIA 568B  |
| Type                           | Shielded           |
| Anti-kink sleeve               | moulded            |
| Colour anti-kink sleeve        | blue               |
| Locking lever                  | yes                |

### Mechanical characteristics

|                   |                         |
|-------------------|-------------------------|
| Mating cycles     | ≥750                    |
| Bending radius    | >20 mm                  |
| Conductive shield | Selected shield contact |

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### Cable construction

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

### Cable sheath

|                             |   |
|-----------------------------|---|
| Silicone-free               | yes                                     |
| Jacket material             | PVC                                     |
| Colour outer sheath         | blue                                    |
| Printing                    | SLIM PATCHCABLE U/FTP CAT.6A ***10GB*** |
| Outer diameter of the cable | 7.0*2.2 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         | 752 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 |
|--------------|---|--------|
| K5545BL.0,15 | RJ45 Flat Patch cable U/FTP, Cat.6A, PVC, 0.15m, blue | 0.15 m |
| K5545BL.0,25 | RJ45 Flat Patch cable U/FTP, Cat.6A, PVC, 0.25m, blue | 0.25 m |
| K5545BL.0,5  | RJ45 Flat Patch cable U/FTP, Cat.6A, PVC, 0.5m, blue  | 0.5 m  |

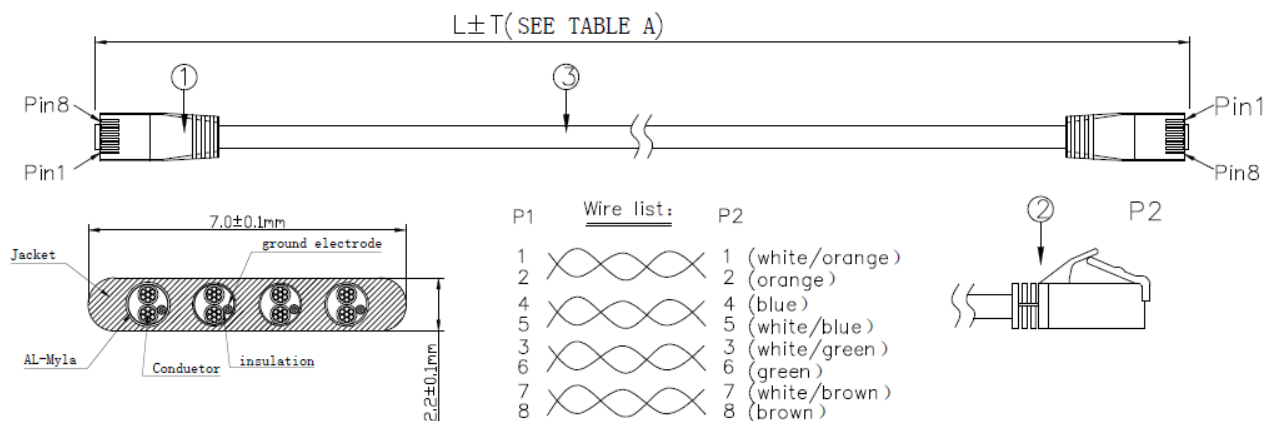


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|             |  |       |
|-------------|--|-------|
| K5545BL.1   | RJ45 Flat Patch cable U/FTP, Cat.6A, PVC, 1m, blue   | 1.0 m |
| K5545BL.1,5 | RJ45 Flat Patch cable U/FTP, Cat.6A, PVC, 1.5m, blue | 1.5 m |
| K5545BL.2   | RJ45 Flat Patch cable U/FTP, Cat.6A, PVC, 2m, blue   | 2.0 m |
| K5545BL.3   | RJ45 Flat Patch cable U/FTP, Cat.6A, PVC, 3m, blue   | 3.0 m |
| K5545BL.5   | RJ45 Flat Patch cable U/FTP, Cat.6A, PVC, 5m, blue   | 5.0 m |

### Technical drawings



### similar product

|           |  |
|-----------|--|
| K5545WS.1 | RJ45 Flat patch cable U/FTP, Cat.6A, PVC, white  |
| K5545SW.1 | RJ45 Flat patch cable U/FTP, Cat.6A, PVC, black  |
| K5545RT.1 | RJ45 Flat patch cable U/FTP, Cat.6A, PVC, red    |
| K5545GR.1 | RJ45 Flat patch cable U/FTP, Cat.6A, PVC, grey   |
| K5545GN.1 | RJ45 Flat patch cable U/FTP, Cat.6A, PVC, green  |
| K5545GE.1 | RJ45 Flat patch cable U/FTP, Cat.6A, PVC, yellow |