# DATASHEET

## RJ45 Patch cable U/UTP, Cat.6, PVC, CCA, 5m, grey





### General data

The unshielded Cat.6 RJ45 patch cable with ensures excellent performance for 5 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 **AWG24/7**
Moulded grommet, slim design
**Length imprint on the boot**

| Allgemeine Daten | |
|---|---|
| Locking lever | False |
| Model | Unshielded |
| Suitable for degree of protection (IP) | IP20 |
| Fire retardant version | False |
| Pin assignment | 1:1 |
| Material outer sheath | Polyvinylchlorid (PVC) |
| Colour anti-kink sleeve | grey |
| Contacts | Gold plated µ" gold plated |
| Allocation | acc. TIA/EIA 568B |
| Connector type | RJ45 Standard |

**This datasheet was created automatically on 01-06-2023 . Technical changes reserved.**

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WIR SORGEN FÜR VERBINDUNG
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| | |
|---|---|
| Cable type | U/UTP |
| Area of Application | Industrial Ethernet |
| Length imprint | True |
| Colour outer sheath | grey |
| Anti-kink sleeve | plugged in |
| Current Rating | max. 1 A |
| Halogen free | False |
| Category | 6 |

| **Mechanische Eigenschaften** | |
|---|---|
| Bending radius | 30 mm |
| Mating cycles | ≥750 |

**Kabelaufbau**

| | |
|---|---|
| Conductor Material | CCA |
| Type of connector connection 2 | RJ45 8(8) |
| Type of connector connection 1 | RJ45 8(8) |
| AWG-size | 24/7 |
| Cable construction | 4x2 |

**Kabelmantel**

| | |
|---|---|
| Printing | Cat.6 UTP AWG24 stranded x 4pairs cable |
| Oil resistant (according to EN 60811-404) | False |
| Silicone-free | True |
| Outer diameter of the cable | 5.9 mm |

| **Umgebungsbedingungen** | |
|---|---|
| Temperature range | -20 – 70 °C |

| **Elektrische Eigenschaften** | |
|---|---|
| NVP value | - % |
| POE class | PoE+ acc. to IEEE802.3at |
| Operating-/ tempering voltage | max. 50 V DC |

| **Übertragungstechnische Eigenschaften** | |
|---|---|
| Bandwidth | 250MHz |

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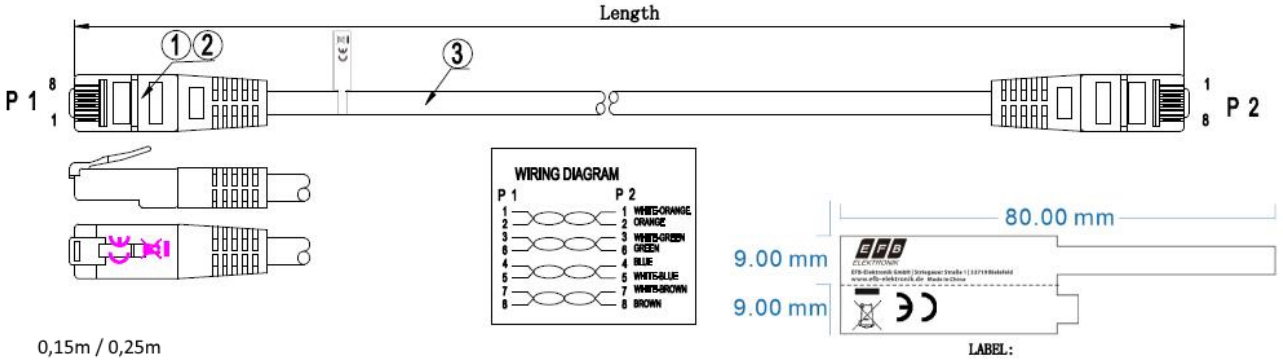
| | |
|---|---|
| Transmission | 5Gbit |

| **Normen, Zulassungen, Zertifizierungen** | |
|---|---|
| Cabling standard | EN50173 |
| Connector | IEC 60603-7-4 |
| Oil resistant (acc. EN 60811-2-1) | False |

**Available variants**

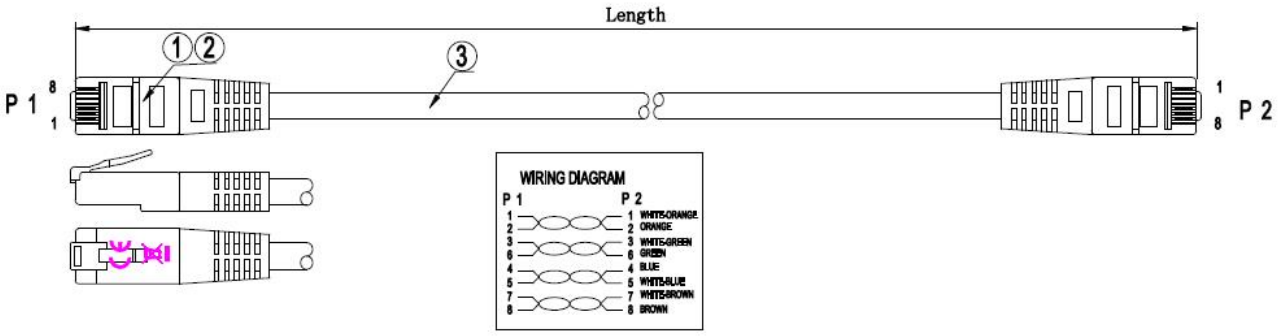
| ArtNr. | Bezeichnung | Length | Längentoleranz |
|---|---|---|---|
| K8100GR.0,25 | RJ45 Patch cable U/UTP, Cat.6, PVC, CCA, 0.25m, grey | 0.25 m | ±5 % |
| K8100GR.0,5 | RJ45 Patch cable U/UTP, Cat.6, PVC, CCA, 0.5m, grey | 0.5 m | ±5 % |
| K8100GR.1 | RJ45 Patch cable U/UTP, Cat.6, PVC, CCA, 1m, grey | 1.0 m | ±5 % |
| K8100GR.1,5 | RJ45 Patch cable U/UTP, Cat.6, PVC, CCA, 1.5m, grey | 1.5 m | ±5 % |
| K8100GR.2 | RJ45 Patch cable U/UTP, Cat.6, PVC, CCA, 2m, grey | 2.0 m | ±5 % |
| K8100GR.3 | RJ45 Patch cable U/UTP, Cat.6, PVC, CCA, 3m, grey | 3.0 m | ±5 % |
| K8100GR.5 | RJ45 Patch cable U/UTP, Cat.6, PVC, CCA, 5m, grey | 5.0 m | ±5 % |
| K8100GR.7,5 | RJ45 Patch cable U/UTP, Cat.6, PVC, CCA, 7.5m, grey | 7.5 m | ±5 % |
| K8100GR.10 | RJ45 Patch cable U/UTP, Cat.6, PVC, CCA, 10m, grey | 10.0 m | ±5 % |
| K8100GR.15 | RJ45 Patch cable U/UTP, Cat.6, PVC, CCA, 15m, grey | 15.0 m | ±5 % |
| K8100GR.20 | RJ45 Patch cable U/UTP, Cat.6, PVC, CCA, 20m, grey | 20.0 m | ±5 % |
| K8100GR.30 | RJ45 Patch cable U/UTP, Cat.6, PVC, CCA, 30m, grey | 30.0 m | ±5 % |

**Drawings**



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