# DATASHEET

## RJ45 Patch cable SF/UTP, Cat.5e, TM11, UC300, red




Cat.5E 2.5 Gbit
100 MHz 100% CU
made in Europe

### Description

The Cat.5e RJ45 patch cable **manufactured in Europe** guarantees very good characteristics for 2.5 Gigabit Ethernet applications. The patch cable is composed of the raw cable **UC300 HS26** from Draka and **TM11** connectors from Hirose. Due to the **double shielding**, the patch cable is even **better protected against EMC radiation**.

Cross section 4 x 2 x AWG27/7
Mounted anti-kink grommet
Cable structure **SF/UTP**

| General data | |
|---|---|
| Category | 5E |
| Type of connector connection 1 | RJ45 8(8) |
| Type of connector connection 2 | RJ45 8(8) |
| Connector type | TM11 |
| Cable type | Draka UC300 HS26 |
| Contacts | Gold plated |
| Pin assignment | 1:1 |
| Allocation | acc. TIA/EIA 568B |
| Type | Shielded |
| Anti-kink sleeve | put-on |
| Colour anti-kink sleeve | red |
| Locking lever | No |

| Mechanical characteristics | |
|---|---|
| Mating cycles | ≥750 |
| Bending radius | >25 mm |

**This datasheet was created automatically on 05-02-2020 . Technical changes reserved.**

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| Cable construction | |
|---|---|
| Cable structure | SF/UTP |
| Cable construction | 4x2 |
| AWG-size/strands per core | 26/7 |
| Conductor Material | Copper |

| Cable sheath | |
|---|---|
| Jacket material | LSZH |
| Colour outer sheath | red |
| Outer diameter of the cable | 5.7 mm |
| Flame-retardant | acc. IEC60332-1 |
| Halogen-free | acc. IEC60754-2 |
| Low smoke | acc. IEC61034 |

| Environmental conditions | |
|---|---|
| Temperature Range (Operation) | -20 – 60 °C |
| Temperature Range (Installation) | 0 – 50 °C |

| Electrical characteristics | |
|---|---|
| NVP value | 67 % |
| Impedance | 100 ±15 Ω |
| Conductor resistance DC | 130 Ω/km |
| Loop resistance | < 260 Ω/km |
| Resistance unbalance | < 3 % |
| Insulation resistance | > 2000 MΩ |
| Test voltage | 1000 (V DC, 1min) core/core und core/screen |

| Transmission characteristics | |
|---|---|
| Bandwidth | 100MHz |
| Transmission | 2.5Gbit |

| Standards, approvals, certifications | |
|---|---|
| Connector | IEC 60603-7-3 |

**Available variants**

| Article no. | Title | Length |
|---|---|---|
| K8012.0,50 | RJ45 Patch cable SF/UTP, Cat.5e, TM11, UC300, 0,5m, red | 0.5 m |
| K8012.1 | RJ45 Patch cable SF/UTP, Cat.5e, TM11, UC300, 1m, red | 1.0 m |

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| | | |
|---|---|---|
| K8012.1,5 | RJ45 Patch cable SF/UTP, Cat.5e, TM11, UC300, 1,5m, red | 1.5 m |
| K8012.2 | RJ45 Patch cable SF/UTP, Cat.5e, TM11, UC300, 2m, red | 2.0 m |
| K8012.3 | RJ45 Patch cable SF/UTP, Cat.5e, TM11, UC300, 3m, red | 3.0 m |
| K8012.5 | RJ45 Patch cable SF/UTP, Cat.5e, TM11, UC300, 5m, red | 5.0 m |
| K8012.7,5 | RJ45 Patch cable SF/UTP, Cat.5e, TM11, UC300, 7,5m, red | 7.5 m |
| K8012.10 | RJ45 Patch cable SF/UTP, Cat.5e, TM11, UC300, 10m, red | 10.0 m |
| K8012.15 | RJ45 Patch cable SF/UTP, Cat.5e, TM11, UC300, 15m, red | 15.0 m |
| K8012.20 | RJ45 Patch cable SF/UTP, Cat.5e, TM11, UC300, 20m, red | 20.0 m |
| K8012.25 | RJ45 Patch cable SF/UTP, Cat.5e, TM11, UC300, 25m, red | 25.0 m |
| K8012.30 | RJ45 Patch cable SF/UTP, Cat.5e, TM11, UC300, 30m, red | 30.0 m |

| **similar product** | |
|---|---|
| K8017.1 | RJ45 Patch cable SF/UTP, Cat.5e, TM11, UC300, grey |
| K8015.1 | RJ45 Patch cable SF/UTP, Cat.5e, TM11, UC300, yellow |
| K8014.1 | RJ45 Patch cable SF/UTP, Cat.5e, TM11, UC300, blue |
| K8013.1 | RJ45 Patch cable SF/UTP, Cat.5e, TM11, UC300, green |

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