# DATASHEET

## RJ45 Patch cable S/FTP, Cat.6A, TM21, UC900, black



Cat.6A | 10 Gbit | 500 MHz | 100% CU | made in Europe | CE

### Description

The Cat.6A RJ45 patch cable **manufactured in Europe** guarantees very good characteristics for **10 Gigabit** Ethernet applications. The patch cable is composed of the Cat.7 raw cable **UC900 SS27** from Draka and **TM21** connectors from Hirose.

Cross section 4 x 2 x AWG27/7
Mounted anti-kink grommet

| General data | |
|---|---|
| Category | 6A (TIA) |
| Type of connector connection 1 | RJ45 8(8) |
| Type of connector connection 2 | RJ45 8(8) |
| Connector type | TM21 red |
| Contacts | Gold plated |
| Pin assignment | 1:1 |
| Allocation | acc. TIA/EIA 568B |
| Type | Shielded |
| Anti-kink sleeve | put-on |
| Colour anti-kink sleeve | black |
| Locking lever | True |

| Mechanical characteristics | |
|---|---|
| Mating cycles | ≥750 |
| Bending radius | >25 mm |
| Conductive shield | 360° shield contact |

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

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| Cable construction | |
|---|---|
| Raw cable | Cat.7 |
| Cable structure | S/FTP |
| Total screening | ca. 45 % |
| Cable construction | 4x2 |
| AWG-size/strands per core | 27/7 |
| Conductor Material | Copper |

| Cable sheath | |
|---|---|
| Jacket material | LSZH |
| Colour outer sheath | black |
| Outer diameter of the cable | 5.9 mm |
| Euro class | Eca |
| 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 | 79 % |
| Impedance | 100 ±25 Ω |
| Conductor resistance DC | 170 Ω/km |
| Loop resistance | < 340 Ω/km |
| Resistance unbalance | < 3 % |
| Insulation resistance | > 2000 MΩ |
| Test voltage | 1000 (V DC, 1min) core/core und core/screen |

| Transmission characteristics | |
|---|---|
| Bandwidth | 500MHz |

| Standards, approvals, certifications | |
|---|---|
| Connector | IEC 60603-7-51 |
| Harmonised Standard | EN 50575 |

**Available variants**



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## RJ45 Patch cable S/FTP, Cat.6A, TM21, UC900, black

| Article no. | Title | Length |
|---|---|---|
| K8050.0,50 | RJ45 Patch cable S/FTP, Cat.6A, TM21, UC900, 0,5m, black | 0.5 m |
| K8050.1 | RJ45 Patch cable S/FTP, Cat.6A, TM21, UC900, 1m, black | 1.0 m |
| K8050.1,5 | RJ45 Patch cable S/FTP, Cat.6A, TM21, UC900, 1,5m, black | 1.5 m |
| K8050.2 | RJ45 Patch cable S/FTP, Cat.6A, TM21, UC900, 2m, black | 2.0 m |
| K8050.3 | RJ45 Patch cable S/FTP, Cat.6A, TM21, UC900, 3m, black | 3.0 m |
| K8050.4 | RJ45 Patch cable S/FTP, Cat.6A, TM21, UC900, 4m, black | 4.0 m |
| K8050.4,5 | RJ45 Patch cable S/FTP, Cat.6A, TM21, UC900, 4,5m, black | 4.5 m |
| K8050.5 | RJ45 Patch cable S/FTP, Cat.6A, TM21, UC900, 5m, black | 5.0 m |
| K8050.5,5 | RJ45 Patch cable S/FTP, Cat.6A, TM21, UC900, 5,5m, black | 5.5 m |
| K8050.6,5 | RJ45 Patch cable S/FTP, Cat.6A, TM21, UC900, 7,5m, black | 6.5 m |
| K8050.7,5 | RJ45 Patch cable S/FTP, Cat.6A, TM21, UC900, 7,5m, black | 7.5 m |
| K8050.8,5 | RJ45 Patch cable S/FTP, Cat.6A, TM21, UC900, 8,5m, black | 8.5 m |
| K8050.9 | RJ45 Patch cable S/FTP, Cat.6A, TM21, UC900, 9m, black | 9.0 m |
| K8050.10 | RJ45 Patch cable S/FTP, Cat.6A, TM21, UC900, 10m, black | 10.0 m |
| K8050.10,5 | RJ45 Patch cable S/FTP, Cat.6A, TM21, UC900, 10,5m, black | 10.5 m |
| K8050.11 | RJ45 Patch cable S/FTP, Cat.6A, TM21, UC900, 11m, black | 11 m |
| K8050.11,5 | RJ45 Patch cable S/FTP, Cat.6A, TM21, UC900, 11,5m, black | 11.5 m |
| K8050.12 | RJ45 Patch cable S/FTP, Cat.6A, TM21, UC900, 12m, black | 12.0 m |
| K8050.12,5 | RJ45 Patch cable S/FTP, Cat.6A, TM21, UC900, 12,5m, black | 12.5 m |
| K8050.15 | RJ45 Patch cable S/FTP, Cat.6A, TM21, UC900, 15m, black | 15.0 m |
| K8050.20 | RJ45 Patch cable S/FTP, Cat.6A, TM21, UC900, 20m, black | 20.0 m |
| K8050.25 | RJ45 Patch cable S/FTP, Cat.6A, TM21, UC900, 25m, black | 25.0 m |
| K8050.30 | RJ45 Patch cable S/FTP, Cat.6A, TM21, UC900, 30m, black | 30.0 m |

| similar product | |
|---|---|
| K8052.1 | RJ45 Patch cable S/FTP, Cat.6A, TM21, UC900, red |
| K8055.1 | RJ45 Patch cable S/FTP, Cat.6A, TM21, UC900, yellow |
| K8053.1 | RJ45 Patchkabel S/FTP, Cat.6A, TM21, UC900, green |
| K8051.1 | RJ45 Patch cable S/FTP, Cat.6A, TM21, UC900, grey |
| K8058.1 | RJ45 Patch cable S/FTP, Cat.6A, TM21, UC900, white |
| K8056.1 | RJ45 Patchkabel S/FTP, Cat.6A, TM21, UC900, orange |
| K8054.1 | RJ45 Patch cable S/FTP, Cat.6A, TM21, UC900, blue |

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