# DATASHEET

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



### 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 | grey |
| Locking lever | True |

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



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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 | grey |
| 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, grey

| Article no. | Title | Length |
|---|---|---|
| K8051.0,10 | RJ45 Patch cable S/FTP, Cat.6A, TM21, UC900, 0,1m, grey | 0.10 m |
| K8051.0,15 | RJ45 Patch cable S/FTP, Cat.6A, TM21, UC900, 0,15m, grey | 0.15 m |
| K8051.0,20 | RJ45 Patch cable S/FTP, Cat.6A, TM21, UC900, 0,2m, grey | 0.20 m |
| K8051.0,25 | RJ45 Patch cable S/FTP, Cat.6A, TM21, UC900, 0,25m, grey | 0.25 m |
| K8051.0,30 | RJ45 Patch cable S/FTP, Cat.6A, TM21, UC900, 0,3m, grey | 0.30 m |
| K8051.0,35 | RJ45 Patch cable S/FTP, Cat.6A, TM21, UC900, 0,35m, grey | 0.35 m |
| K8051.0,40 | RJ45 Patch cable S/FTP, Cat.6A, TM21, UC900, 0,40m, grey | 0.40 m |
| K8051.0,50 | RJ45 Patch cable S/FTP, Cat.6A, TM21, UC900, 0,5m, grey | 0.5 m |
| K8051.0,60 | RJ45 Patch cable S/FTP, Cat.6A, TM21, UC900, 0,6m, grey | 0.60 m |
| K8051.0,70 | RJ45 Patch cable S/FTP, Cat.6A, TM21, UC900, 0,7m, grey | 0.70 m |
| K8051.0,75 | RJ45 Patch cable S/FTP, Cat.6A, TM21, UC900, 0,75m, grey | 0.70 m |
| K8051.1 | RJ45 Patch cable S/FTP, Cat.6A, TM21, UC900, 1m, grey | 1.0 m |
| K8051.1,5 | RJ45 Patch cable S/FTP, Cat.6A, TM21, UC900, 1,5m, grey | 1.5 m |
| K8051.2 | RJ45 Patch cable S/FTP, Cat.6A, TM21, UC900, 2m, grey | 2.0 m |
| K8051.2,5 | RJ45 Patch cable S/FTP, Cat.6A, TM21, UC900, 2,5m, grey | 2.5 m |
| K8051.3 | RJ45 Patch cable S/FTP, Cat.6A, TM21, UC900, 3m, grey | 3.0 m |
| K8051.3,5 | RJ45 Patch cable S/FTP, Cat.6A, TM21, UC900, 3,5m, grey | 3.5 m |
| K8051.4 | RJ45 Patch cable S/FTP, Cat.6A, TM21, UC900, 4m, grey | 4.0 m |
| K8051.5 | RJ45 Patch cable S/FTP, Cat.6A, TM21, UC900, 5m, grey | 5.0 m |
| K8051.6 | RJ45 Patch cable S/FTP, Cat.6A, TM21, UC900, 6m, grey | 6.0 m |
| K8051.6,5 | RJ45 Patch cable S/FTP, Cat.6A, TM21, UC900, 6,5m, grey | 6.5 m |
| K8051.7 | RJ45 Patch cable S/FTP, Cat.6A, TM21, UC900, 7m, grey | 7.0 m |
| K8051.7,5 | RJ45 Patch cable S/FTP, Cat.6A, TM21, UC900, 7,5m, grey | 7.5 m |
| K8051.8 | RJ45 Patch cable S/FTP, Cat.6A, TM21, UC900, 8m, grey | 8.0 m |
| K8051.10 | RJ45 Patch cable S/FTP, Cat.6A, TM21, UC900, 10m, grey | 10.0 m |
| K8051.15 | RJ45 Patch cable S/FTP, Cat.6A, TM21, UC900, 15m, grey | 15.0 m |
| K8051.20 | RJ45 Patch cable S/FTP, Cat.6A, TM21, UC900, 20m, grey | 20.0 m |
| K8051.25 | RJ45 Patch cable S/FTP, Cat.6A, TM21, UC900, 25m, grey | 25.0 m |
| K8051.30 | RJ45 Patch cable S/FTP, Cat.6A, TM21, UC900, 30m, grey | 30.0 m |
| K8051.35 | RJ45 Patch cable S/FTP, Cat.6A, TM21, UC900, 35m, grey | 35.0 m |
| K8051.40 | RJ45 Patch cable S/FTP, Cat.6A, TM21, UC900, 40m, grey | 40.0 m |
| K8051.45 | RJ45 Patch cable S/FTP, Cat.6A, TM21, UC900, 45m, grey | 45.0 m |
| K8051.50 | RJ45 Patch cable S/FTP, Cat.6A, TM21, UC900, 50m, grey | 50.0 m |
| K8051.55 | RJ45 Patch cable S/FTP, Cat.6A, TM21, UC900, 55m, grey | 55.0 m |
| K8051.60 | RJ45 Patch cable S/FTP, Cat.6A, TM21, UC900, 60m, grey | 60.0 m |
| K8051.65 | RJ45 Patch cable S/FTP, Cat.6A, TM21, UC900, 65m, grey | 65.0 m |
| K8051.70 | RJ45 Patch cable S/FTP, Cat.6A, TM21, UC900, 70m, grey | 70.0 m |
| K8051.75 | RJ45 Patch cable S/FTP, Cat.6A, TM21, UC900, 75m, grey | 75.0 m |
| K8051.90 | RJ45 Patch cable S/FTP, Cat.6A, TM21, UC900, 90m, grey | 90.0 m |

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

| 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 |
| 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 |
| K8050.1 | RJ45 Patch cable S/FTP, Cat.6A, TM21, UC900, black |

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