# DATASHEET

## RJ45 Patch cable SF/UTP, Cat.5e, PVC, CCA, black



Cat.5E | 2.5 Gbit
100 MHz | CCA
PVC

CE

### Description

The Cat.5e RJ45 patch cable ensures good characteristics for 2.5 Gigabit Ethernet applications. Due to the **double shielding**, the patch cable is even **better protected against EMC radiation**.

Cross section 4 x 2 x AWG26/7
Cast anti-kink grommet **(patented)**
Cable structure **SF/UTP**
**Length imprint on the grommet**
Conductor material CCA

| General data | |
|---|---|
| Category | 5e |
| Type of connector connection 1 | RJ45 8(8) |
| Type of connector connection 2 | RJ45 8(8) |
| Connector type | RJ45 Standard |
| Contacts | Gold plated |
| Pin assignment | 1:1 |
| Allocation | acc. TIA/EIA 568B |
| Type | Shielded |
| Length imprint | yes |
| Anti-kink sleeve | moulded |
| Colour anti-kink sleeve | black |
| Locking lever | yes |

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



EFB-Elektronik GmbH
Striegauer Straße 1
33719 Bielefeld

fon: +49 521 40 41 8-0
fax: +49 521 40 41 8-50

info@efb-elektronik.de
www.efb-elektronik.de

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| Cable construction | |
|---|---|
| Cable structure | SF/UTP |
| Total screening | 65 % |
| Cable construction | 4x2 |
| AWG-size/strands per core | 26/7 |
| Conductor Material | CCA |

| Cable sheath | |
|---|---|
| Silicone-free | yes |
| Jacket material | PVC |
| Colour outer sheath | black |
| Printing | SFTP 300 CAT.5E 26AWGX4P PATCH ISO/IEC 11801 & EN 50173 VERIFIED |
| Outer diameter of the cable | 5.7 mm |

| Environmental conditions | |
|---|---|
| Temperature range | -5 – 70 °C |

| Electrical characteristics | |
|---|---|
| Conductor resistance DC | 146 Ω/km |
| Loop resistance | 292 Ω/km |
| Resistance unbalance | 5 % |
| Insulation resistance | 10 MΩ |
| Contact resistance | 30 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 |
|---|---|---|
| K5456.0,5 | RJ45 Patch cable SF/UTP, Cat.5e, PVC, CCA, 0.5m, black | 0.5 m |
| K5456.1 | RJ45 Patch cable SF/UTP, Cat.5e, PVC, CCA, 1m, black | 1.0 m |
| K5456.1,5 | RJ45 Patch cable SF/UTP, Cat.5e, PVC, CCA, 1.5m, black | 1.5 m |

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| | | |
|---|---|---|
| K5456.2 | RJ45 Patch cable SF/UTP, Cat.5e, PVC, CCA, 2m, black | 2.0 m |
| K5456.3 | RJ45 Patch cable SF/UTP, Cat.5e, PVC, CCA, 3m, black | 3.0 m |
| K5456.5 | RJ45 Patch cable SF/UTP, Cat.5e, PVC, CCA, 5m, black | 5.0 m |
| K5456.7,5 | RJ45 Patch cable SF/UTP, Cat.5e, PVC, CCA, 7.5m, black | 7.5 m |
| K5456.10 | RJ45 Patch cable SF/UTP, Cat.5e, PVC, CCA, 10m, black | 10.0 m |
| K5456.15 | RJ45 Patch cable SF/UTP, Cat.5e, PVC, CCA, 15m, black | 15.0 m |
| K5456.20 | RJ45 Patch cable SF/UTP, Cat.5e, PVC, CCA, 20m, black | 20.0 m |
| K5456.25 | RJ45 Patch cable SF/UTP, Cat.5e, PVC, CCA, 25m, black | 25.0 m |
| K5456.30 | RJ45 Patch cable SF/UTP, Cat.5e, PVC, CCA, 30m, black | 30.0 m |

| **similar product** | |
|---|---|
| K5458.1 | RJ45 Patch cable SF/UTP, Cat.5e, PVC, CCA, red |
| K5457.1 | RJ45 Patch cable SF/UTP, Cat.5e, PVC, CCA, yellow |
| K5460.1 | RJ45 Patch cable SF/UTP, Cat.5e, PVC, CCA, green |
| K5459.1 | RJ45 Patch cable SF/UTP, Cat.5e, PVC, CCA, blue |
| K5455.1 | RJ45 Patch cable SF/UTP, Cat.5e, PVC, CCA, grey |

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