## Twisted Pair Patch Cord - Category 5e Class D - SF/UTP



- ✓ PVC
- ✓ Blue colored plug for CAT 5e
- ✓ Kink prot., strain relief, latch prot.
- ✓ various lengths and colors available


### Abstract

CAT 5e Class D, SF/UTP, Twisted Pair Patch Cord, PVC, AWG 26/7, various lengths and colors available


### Features

- 2x RJ45 (8P8C) connectors
- Boots with kink protection and strain relief
- Length marking on boot
- Shielding: SF/UTP (complete foil- and braid shielding, pairs unshielded)
- Structure: 4x 2 AWG 26/7, twisted pair
- Sheath: PVC

### Product Overview

The DIGITUS® Category 5e Class D patch cords are manufactured and tested to the ISO/IEC 11801 and DIN EN 50173 Category 5e specifications. They will guarantee the installed cabling system is compliant with the ISO & EN channel specification requirements and will provide optimum performance levels of DIGITUS® Category 5e cabling. The performance is tested up to 100 MHz inclusive performance characteristics such as near end cross talk (“NEXT”).
DIGITUS® patch cords are designed and produced to fulfill the highest requirements of various application areas in full volume.
Each cable is fitted with a molded boot which comes with kink protection and strain relief.
Furthermore the boot is equipped with a latch protection that prevents the latching lever against breaking.
You can easily identify the Category 5e, because of the transparent blue colored connector.



Druckfehler, Irrtümer und technische Änderungen sind vorbehalten. | Printing errors, falsities and technical changes remain reserved.

## Performance- and Specification Overview

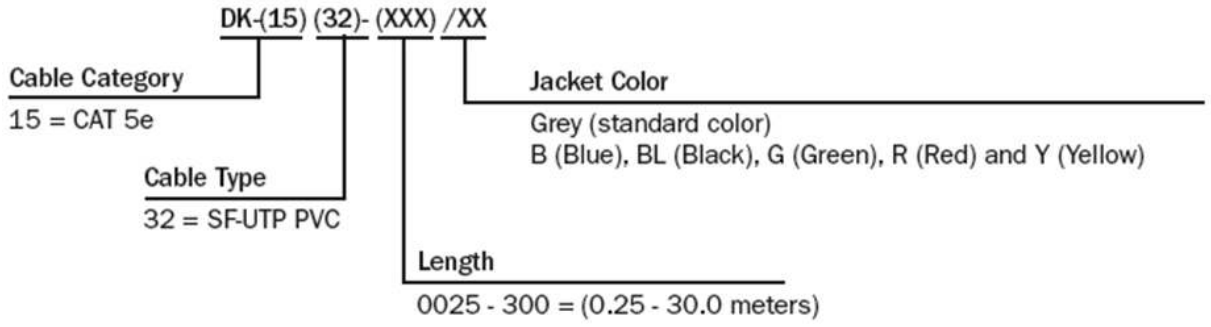
| | |
|---|---|
| Conductor | Stranded AWG 26/7, 0.152 ± 0.005 mm |
| Outer sheath | PVC |
| Overall diameter | 5.4 mm ± 0.30 mm |
| Bending radius | 15x OD |
| RJ45 connector | 3 µ nominal gold flash over 60 µ nickel undercoat contact pins |
| Color code | Orange x White, Green x White, Blue x White, Brown x White |
| Wiring standard | EIA/TIA 568B |
| Pin assignment | 1:1 |
| Durability | 750 insertion cycles |
| Contact resistance | 30 mΩ maximum |
| Resistance unbalance | 5% maximum |
| Dielectric strength | 2500 VDC for 3 seconds |
| Uninsulated resistance | 150 MΩ/km minimum |
| Operating temperature | -20 °C up to +60 ° |
| Typical applications | IEEE 802.3: 10BASE-T; 100BASE-T; 1000BASE-T |
| Norms | ISO/IEC 11801-1; EN-50173; ANSI/TIA 568-C; EN 60603-7-3 |
| Colors | Various colors available on request |
| Marking | Brand name, cable length and cable information |

## Transmission Properties

| Freq. | Insertion Loss | NEXT | RL | ACR-N | ACR-F | PS NEXT | PS ACR-N | PS ACRF |
|---|---|---|---|---|---|---|---|---|
| MHz | dB | dB | dB | dB | dB | dB | dB | dB |
| **1.00** | 4.00 | 60.00 | 17.00 | 56.00 | 57.40 | 57.00 | 53.00 | 54.40 |
| **4.00** | 4.50 | 53.50 | 17.00 | 49.00 | 45.40 | 50.50 | 46.00 | 42.40 |
| **8.00** | 6.40 | 48.60 | 17.00 | 42.20 | 39.30 | 45.60 | 39.20 | 36.30 |
| **10.00** | 7.20 | 47.00 | 17.00 | 39.80 | 37.40 | 44.00 | 36.80 | 34.40 |
| **16.00** | 9.10 | 43.60 | 17.00 | 34.50 | 33.30 | 40.60 | 31.50 | 30.30 |
| **20.00** | 10.20 | 42.00 | 17.00 | 31.80 | 34.40 | 39.00 | 28.80 | 28.40 |
| **25.00** | 11.50 | 40.30 | 16.00 | 28.90 | 29.40 | 37.30 | 25.90 | 26.40 |
| **31.25** | 12.90 | 38.70 | 15.10 | 25.80 | 27.50 | 35.70 | 22.80 | 24.50 |
| **62.50** | 18.60 | 33.60 | 12.00 | 15.00 | 21.50 | 30.60 | 12.00 | 18.50 |
| **100.00** | 24.00 | 30.10 | 10.00 | 6.10 | 17.40 | 27.10 | 3.10 | 14.40 |

The results in the table above are typical for Category 5e Class D, Patch cords 2 m, 5 m up to 10 m length

## Product Number Information



## Length Tolerances

| Length (m) | Tolerance (mm) | | Length (m) | Tolerance (mm) |
|---|---|---|---|---|
| 0.15 | +20/-6 | | 8 | +/-155 |
| 0.25 | +20/-6 | | 10 | +/-200 |
| 0.5 | +20/-10 | | 12 | +/-250 |
| 0.75 | +20/-13 | | 13 | +/-270 |
| 1 | +/-20 | | 15 | +/-310 |
| 1.5 | +/-30 | | 20 | +/-400 |
| 2 | +/-40 | | 25 | +/-500 |
| 2.5 | +/-50 | | 30 | +/-630 |
| 3 | +/-60 | | 40 | +/-840 |
| 4 | +/-90 | | 50 | +/-1000 |
| 5 | +/-110 | | 70 | +/-1300 |
| 6 | +/-120 | | 75 | +/-1500 |
| 7 | +/-140 | | 100 | +/-1800 |
| 7.5 | +/-150 | | *The cable length is measured from plug A to plug B | |

## Technical Drawing

