

Twisted Pair Patch Cord - Category 6A Class EA -Slim U/UTP - LSZH



✓ LSZH (LowSmoke Zero Halogen)

✓ Yellow colored plug for CAT 6A

✓ Kink prot., strain relief, latch prot.

✓ various lengths and colors available

Short description

CAT 6A Class EA , U/UTP, Twisted Pair Patch Cord, Cu, LSZH, AWG 28/7, various lengths and colors available

Technical Properties

2x RJ45 connectors (8P8C)

Covers with kink protection, strain relief and locking lever protection

Length indication on hoods

Inner conductors: Copper (Cu)

Halogen free: yes

Pin Assignment: 1:1

AWG cross-section: 28

Anti-kink sleeve: moulded

Connector 1 type: RJ45 8(8)

Connector 2 type: RJ45 8(8)

Cable design: 4x2

Flame retardant version: yes

Anti-kink sleeve colour: Grey

Locking lever protection: yes

NVP value: 76

Oil resistant to EN 60811-404: no

Bending radius: 4D (outer diameter x 4)

Sheath colour: Grey

Long Description

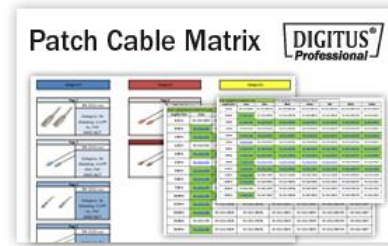
DIGITUS[®] slim patch cords are characterised by their small outer diameter and flexible sheath. Slim design enables versatile use in your network. Moreover, DIGITUS[®] slim patch cords are manufactured according to ISO/IEC 11801 and DIN EN 50173 CAT 6A standards. They guarantee that the cable installation complies with the ISO & EN channel specification and provide excellent performance in DIGITUS[®] CAT 6A cabling. Performance was tested up to 500 MHz, including performance characteristics such as near-end crosstalk ("NEXT"). DIGITUS[®] patch cords were specifically designed to fully meet all requirements in various application areas. Each cable is equipped with a moulded anti-kink sleeve with strain relief. In addition, the sleeve has a locking lever protection, which prevents kinking of the cables and breaking-off of the locking lever from the connector. Category 6 is simply identified by the red coloured connectors.

Patch Cord Matrix and Configuration

Patch cords can be wide-ranging. Therefore we prepared a complete overview of our range, which guides you to the cable you require.

One E-Mail or one call will be enough and we will send you the latest version as a PDF file.

You can also check our Patch Cord Configuration tool on our website www.digitus-professional.com



Performance- and Specification Overview

| | |
|------------------------|--|
| Conductor | Stranded AWG 28/7 bare copper, 0.12 ± 0.005 mm |
| Insulations | HD-PE (High Density Polyethylene) |
| Outer sheath | LSZH (Low Smoke Zero Halogen) |
| Overall diameter | 3.65 mm ± 0.30 mm |
| Bending radius | 8x 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 | 3% maximum |
| Dielectric strength | 2500 VDC for 3 seconds |
| Uninsulated resistance | 150 MΩ/km minimum |
| Operating temperature | -20 °C up to +60 ° |
| NVP | 69% |
| Flame retardancy | IEC 60332-1 |
| Smoke emission | IEC 61034 |
| Typical applications | IEEE 802.3: 10BASE-T; 100BASE-T; 1000BASE-T |
| Norms | ISO/IEC 11801-1; EN-50173; ANSI/TIA 568-C; EN 60603-7-4 |
| Colors | Various colors available on request |
| Marking | Brand name, cable length and cable information |

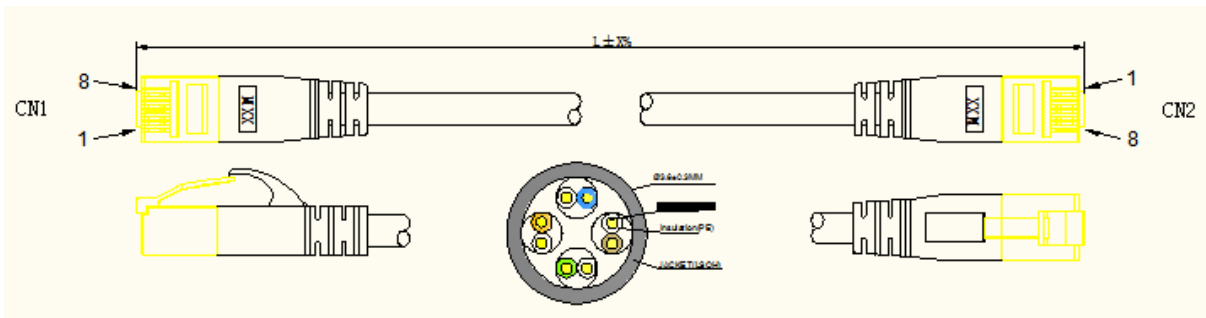
Transmission Properties

| Freq. | Insertion Loss | NEXT | RL | ACR-F | PS NEXT | PS ACRF |
|--------|----------------|-------|-------|-------|---------|---------|
| MHz | dB | dB | dB | dB | dB | dB |
| 1.00 | 4.00 | 65.00 | 19.00 | 63.30 | 62.00 | 60.30 |
| 10.00 | 6.50 | 56.60 | 19.00 | 43.30 | 54.00 | 40.30 |
| 20.00 | 9.20 | 51.60 | 17.50 | 37.20 | 49.00 | 34.20 |
| 25.00 | 10.20 | 50.00 | 17.00 | 35.30 | 47.30 | 32.30 |
| 62.50 | 16.40 | 43.40 | 14.00 | 27.30 | 40.60 | 24.30 |
| 100.00 | 20.90 | 39.90 | 12.00 | 23.30 | 37.10 | 20.30 |
| 200.00 | 30.10 | 34.80 | 9.00 | 17.20 | 31.90 | 14.20 |
| 350.00 | 40.60 | 30.30 | 6.60 | 12.40 | 27.60 | 9.40 |
| 500.00 | 49.30 | 27.90 | 6.00 | 9.30 | 24.80 | 6.30 |

Order information and length tolerances

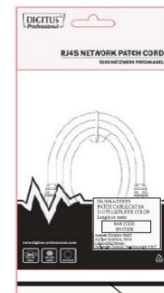
| Article No | *Length (m) | Tolerance (mm) |
|-----------------|-------------|--|
| DK-1617-A-0025S | 0.25 | +20/-6 |
| DK-1617-A-005S | 0.5 | +20/-10 |
| DK-1617-A-010S | 1.0 | +/-20 |
| DK-1617-A-015S | 1.5 | +/-30 |
| DK-1617-A-020S | 2.0 | +/-40 |
| DK-1617-A-025S | 2.5 | +/-50 |
| DK-1617-A-030S | 3.0 | +/-60 |
| DK-1617-A-050S | 5.0 | +/-110 |
| DK-1617-A-050S | 5.0 | +/-110 |
| DK-1617-A-070S | 7.0 | +/-140 |
| DK-1617-A-100S | 10 | +/-200 |
| | | * The cable length is measured from plug A to plug B |

Technical Drawing



MATERIAL LIST:

| NO. | PART NO: | SPECIFICATION DESCRIPTION |
|-----|-------------|--|
| ① | CABLE | U/UTP 28AWG (7/0.12 ± 0.005) *4PR+LSOH OD: 3.6 ± 0.3mm COLOR: Assorted upon request |
| ② | CONNECTOR | RJ45, 8P8C, TWO FORK GOLD PLATED CONTACTS YELLOW TRANSPARENT |
| ③ | MOLDING PVC | MOLDING PVC 45P COLOR: Assorted upon request |



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