

# DIGITUS Cat.6A U/UTP installation cable, 500 m, simplex, Cca

DK-1615-A-VH-5  
EAN 4016032441915



### CAT 6A U-UTP installation cable, 500 MHz Cca (EN 50575), AWG 23/1, 500m drum, sx, bl

The Digitus® Professional Cat.6A U/UTP installation cable is characterized by the following cable construction 4x2x AWG23/1 and reaches a transmission frequency up to 500 MHz. The halogen free cable jacket is conform to the standard IEC 60332-3-24, FRNC-C, LSZH-3 and CPR Euro class Cca. The cable is suitable for building structured cabling in the secondary and tertiary area. Compliant with the following standards ISO/IEC 11801, DIN EN 50173, DIN EN 50288-11-1.

#### Future-oriented standards and high-end quality for your network.

- Physical properties:
- Basic conductor: Solid AWG 23/1, bare annealed copper, diameter 0.57 mm nominal
- Insulation: HD-PE
- Total number of insulated conductors: 8, twisted in 4 pairs
- Color code: blue-white, orange-white, green-white, brown-white
- Individual pair shield: None
- Overall shielding: None
- Outer jacket: Halogen-free (FRNC-C/LSZH-3)
- Outer jacket diameter: 0.9 mm nominal
- Color: Light blue (RAL 5012)
- Mechanical properties:
- Tensile loading: 150N max.
- Dynamic bending radius: 8x AD mm min.
- Static bending radius: 4x AD mm min.
- Shipping- and storage temperature range: -20 °C up to +60 °C
- Operating temperature range: -20 °C up to +75 °C

- Installation temperature range: 0 °C up to +50 °C
- Overall diameter: 7.0 mm nominal
- Flame retardancy: IEC 60332-3-24
- Halogen-free & smoke-proof: IEC 60754-2 & IEC 61034
- Fire load: 295 Mj/km
- Electrical properties:
- Mean impedance: 100±5Ohm at 1MHz - 600MHz
- Capacitance: 40 pF/m nominal @ 1 KHz
- Capacitance unbalance (pair-ground): 1.6 pF/m max. @ 1 KHz
- Insulation resistance: 5 GOhm x km min.
- DC loop resistance: 147 Ohm/km max. (2% max. resistance unbalance)
- Voltage resistance: 72 Vdc max.
- Coupling attenuation: 65 dB
- Signal propagation delay: 450 nS/100 m max.
- Propagation delay: 15 nS/100 m max.
- Separating class: "c" acc. to EN 50174-2
- NVP: 70%

#### Attributes

- Assortiment: Getwist paar Installatiekabels
- Categorie: CAT 6A
- Afscherming: U-UTP, niet afgeschermd
- CPR: Cca
- Lengte: 500 m
- Kleur: lichtblauw
- Mantel: LSOH
- Structuur: 4 x 2 AWG 23/1, massief getwist paar

| Logistics                    |              |             |            |            |             |           |
|------------------------------|--------------|-------------|------------|------------|-------------|-----------|
|                              | Number (pcs) | Weight (kg) | Depth (cm) | Width (cm) | Height (cm) | cm³       |
| Packaging Unit Carton        | 1            | 26.82       | 50.00      | 50.00      | 22.00       | 55,000.00 |
| Packaging Unit Inside        | 1            | 26.82       | 50.00      | 50.00      | 22.00       | 55,000.00 |
| Packaging Unit Single        | 1            | 26.82       | 50.00      | 50.00      | 22.00       | 55,000.00 |
| Net single without Packaging | 1            | 0.00        | 0.00       | 0.00       | 0.00        | 0.00      |

More images:

**Table: Linkgeschwindigkeiten / Transmission Properties**

| FRIST  | 10E | 10G  | 10G S/MDI | 10G S/MDI | 40G  | 100G S/MDI | 100G S/MDI | 100G S/MDI | 100G S/MDI |
|--------|-----|------|-----------|-----------|------|------------|------------|------------|------------|
| 1      | 1,7 | 10,2 | 10,2      | 10,2      | 10,2 | 20         | 18         | 18         | 18         |
| 10     | 1,8 | 10,3 | 10,3      | 10,3      | 10,3 | 20         | 18         | 18         | 18         |
| 100    | 1,8 | 10,3 | 10,3      | 10,3      | 10,3 | 20         | 18         | 18         | 18         |
| 1000   | 1,8 | 10,3 | 10,3      | 10,3      | 10,3 | 20         | 18         | 18         | 18         |
| 10000  | 1,8 | 10,3 | 10,3      | 10,3      | 10,3 | 20         | 18         | 18         | 18         |
| 100000 | 1,8 | 10,3 | 10,3      | 10,3      | 10,3 | 20         | 18         | 18         | 18         |

**Table: Technische Spezifikationen / Technical Specifications**

| Physische Spezifikationen / Physical Properties |                  | Mechanische Spezifikationen / Mechanical Properties |        |
|-------------------------------------------------|------------------|-----------------------------------------------------|--------|
| AWG                                             | 23/1             | Drift                                               | 100 µm |
| Bandbreite                                      | 500 MHz          | Drift                                               | 100 µm |
| Übertragungsraten                               | 10 Gbit Ethernet | Drift                                               | 100 µm |
| Temperaturbereich                               | 20°C / +75°C     | Drift                                               | 100 µm |
| Standard                                        | ISO/IEC 63902    | Drift                                               | 100 µm |
| Classifizierung                                 | LSZH             | Drift                                               | 100 µm |
| CFR                                             | Class            | Drift                                               | 100 µm |

Safety notes

- Datakabels mogen niet te veel gebogen, uitgerekt of gedraaid worden. Scherpe bochten kunnen de kabelmantel beschadigen en leiden tot storingen of kortsluiting.
- Installatie alleen door getrainde specialisten.
- Alleen installeren in droge ruimten.
- De datakabel mag niet in direct contact komen met andere elektrische kabels of hoogspanningsbronnen om elektromagnetische interferentie te voorkomen.

EU responsible person

EU based economic operator ensuring the product complies with the required regulations.

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