# DIGITUS® CAT 6A U/FTP Installation Cable, 305 m, Simplex, Dca, Easy Pull Box

**DK-1624-A-VH-305**

**EAN 4016032344148**




**CAT 6A U-FTP installation cable, 500 MHz Dca (EN 50575), AWG 23/1, 305 m, Easy pull Box**

The Digitus® Cat.6A U/FTP installation cable features the following cable construction: 4x2x AWG23/1, and achieves a transmission frequency of up to 500 MHz. The halogen-free cable jacket complies with the IEC 60332-1, FRNC-B, and LSZH-1 standards, as well as the Building Products Regulation (BauPVO) Euroclass Dca. The cable is suitable for structured building cabling in secondary and tertiary areas. Compliant with the standards ISO/IEC 11801, DIN EN 50173, and DIN EN 50288-10-1.

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

- Physical Properties:
- Conductor: Bare copper wire, AWG 23/1
- System(s) for evaluating and verifying consistency of performance: System 3
- Total number of insulated conductors: 8, twisted into 4 pairs
- Color code: Blue-White, Orange-White, Green-White, Brown-White
- Shielding of individual pairs: aluminum-laminated polyester film, providing 100% coverage
- Outer jacket: Eca to B2ca in accordance with EN 50575; LSZH
- Outer jacket thickness (nominal): 0.5 mm (Eca); 0.6 mm (Dca); 0.8 mm (Cca); 0.8 mm (B2ca)
- Outer casing color: Light blue (RAL 5012)
- Mechanical Properties:
- Tensile strength: 150 N max.
- Dynamic bending radius: 8x AD mm min.
- Static bending radius: 4x AD mm min.
- Transport and storage temperature range: -20 °C to +60 °C
- Operating temperature range: -20 °C to +75 °C
- Installation temperature range: 0 °C to +50 °C
- Outer diameter: 7.0 mm (Eca); 7.2 mm (Dca); 7.6 mm (Cca); 7.6 mm (B2ca)
- Weight (kg/km): 56 kg (Eca); 57 kg (Dca); 58 (Cca); 58 kg (B2ca)
- Electrical Properties:
- Impedance: 100±15 ohms @ 4–100 MHz; 100±25 ohms @ 100–500 MHz;
- Capacitance: 45 pF/m nominal @ 1 kHz
- Capacitance asymmetry (pair-to-ground): 1.6 pF/m max. @ 1 kHz
- Insulation resistance: 5 GOhm x km min.
- Loop resistance: 190 ohms/km max. (2% max. unbalanced resistance)
- Operating voltage: 72 Vdc max.
- Coupling damping: CA Type 2
- Phase delay: 450 nS/100 m max.
- Propagation delay: 25 nS/100 m max.
- Isolation class: “c” according to EN 50174-2
- NVP: 70%

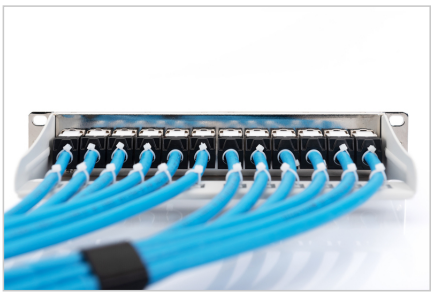
**Attributes**

- Assortment: Twisted Pair Installation Cables
- Category: CAT 6A
- Shielding: U-FTP, pairs in metal foil
- CPR: Dca
- Length: 305 m
- Color: light-blue
- Jacket: LSOH
- Structure: 4 x 2 AWG 23/1, solid twisted pair

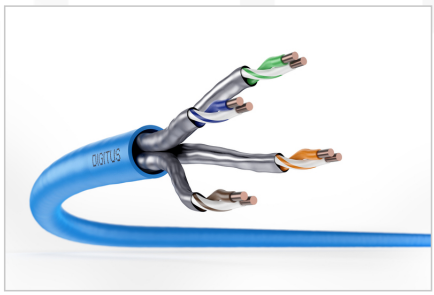
**Logistics**

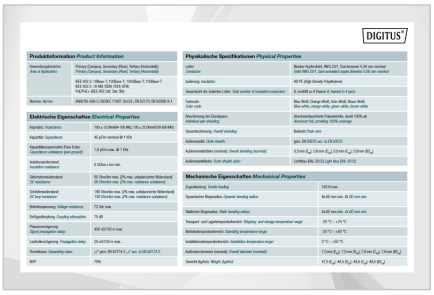
| | Number (pcs) | Weight (kg) | Depth (cm) | Width (cm) | Height (cm) | cm³ |
|---|---|---|---|---|---|---|
| **Packaging Unit Carton** | 1 | 17.00 | 33.00 | 39.00 | 38.00 | 48,906.00 |
| **Packaging Unit Inside** | 1 | 17.00 | 33.00 | 39.00 | 38.00 | 48,906.00 |
| **Packaging Unit Single** | 1 | 17.00 | 33.00 | 39.00 | 38.00 | 48,906.00 |
| **Net single without Packaging** | 1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

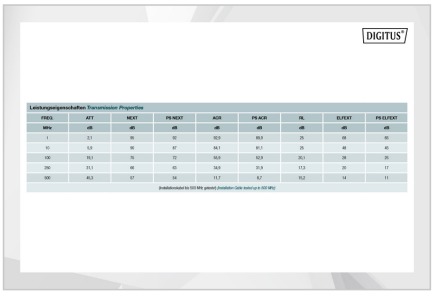
**More images:**

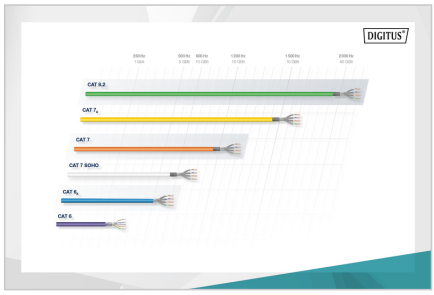









## Safety notes

- Data cables must not be bent, stretched or twisted excessively. Sharp bends can damage the cable sheath and lead to failures or short circuits.
- Installation only by trained specialists.
- For indoor cables (LSZH jacket): Suitable only for installation in dry indoor environments.
- The data cable must not be in direct contact with other electrical cables or high-voltage sources in order to avoid electromagnetic interference.

## EU responsible person

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

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