

# DIGITUS Cat.6A U/FTP installation cable, 305 m, simplex, Eca

**DK-1623-A-VH-305**  
**EAN 4016032344124**



### CAT 6A U-FTP installation cable, 500 MHz Eca (EN 50575), AWG 23/1, 305 m drum, sx, blue

The Digitus® Cat.6A U/FTP 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 60332-1, FRNC-B, LSZH-1 and CPR Euro class Eca. 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 50288-10-1.

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

- Physical properties:
- Conductor: Bare copper wire, AWG 23/1
- System(s) for the assessment and verification of constancy 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 the individual pairs: Aluminum-laminated polyester film, covers 100%
- Outer sheath: Eca to B2ca in accordance with EN 50575; LSZH
- Outer sheath 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:
- Strain relief: 150N 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

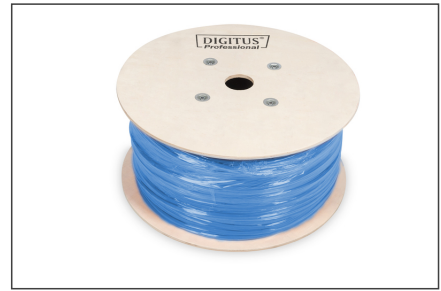
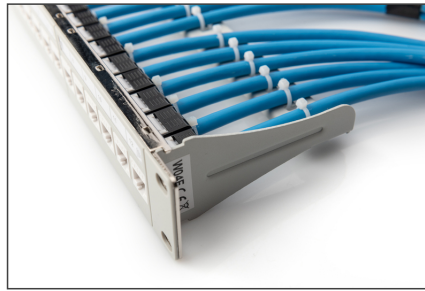
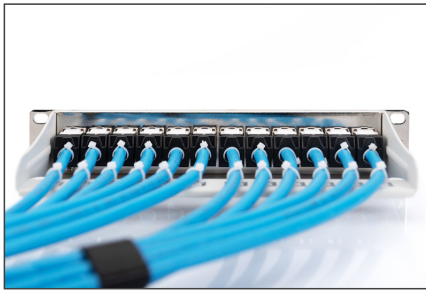
- Installation temperature range: 0 °C to +50 °C
- Outer diameter: 7.0 mm (Eca); 7.2 mm (Dca); 7.6 mm (Cca); 7.6 mm (B2ca)
- Weight (kg/km): 56 kg (Eca); 57 kg (Dca); 58 (Cca); 58 kg (B2ca)
- Electrical properties:
- Impedance: 100±15 Ohm @ 4 - 100MHz; 100±25 Ohm @ 100-500 MHz;
- Capacitance: 45 pF/m nominal @ 1 KHz
- Capacitance unbalance (pair-earth): 1.6 pF/m max. @ 1 KHz
- Insulation resistance: 5 GOhm x km min.
- Loop resistance: 190 Ohm/km max. (2% max. unbalanced resistance)
- Operating voltage: 72 Vdc max.
- Coupling attenuation: CA-Type 2
- Phase delay: 450 nS/100 m max.
- Time delay: 25 nS/100 m max.
- Separation 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: Eca
- 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	14.96	37.00	37.00	22.00	30,118.00
Packaging Unit Inside	1	14.96	37.00	37.00	22.00	30,118.00
Packaging Unit Single	1	14.96	37.00	37.00	22.00	30,118.00
Net single without Packaging	1	0.00	0.00	0.00	0.00	0.00

More images:



**CAT 6<sub>A</sub> U/FTP Installation Cable, 305 m, Simplex, E<sub>ca</sub>**

- AWG 23/1
- 500 MHz
- 10 Gbit Ethernet
- 20°/75°
- LSZH
- E<sub>ca</sub> class
- CPI class

**DK 1623-A-VH-305 // CAT 6, U/FTP Installation Cable, 305 m, Simplex, E<sub>ca</sub>**

Anwendungsbeispiel  
Example of use

**DK 1623-A-VH-305 // CAT 6, U/FTP Installation Cable, 305 m, Simplex, E<sub>ca</sub>**

Kabelquerschnitt  
Cable cross section

Labels: Aufwärtiger Leiterpaar, Abwärtsleiter, Co-Braid Co-Wire, Abschirmung Twisted pair, Abschirmung Twisted pair.

Produktdatenblatt Produkt Information	Physikalische Spezifikationen Physical Properties
<b>Hersteller:</b> DIGITUS Professional AG, Tarnobrodzka 10, 05-090 Tarnobrzeg, Polen <b>Produktname:</b> CAT 6 U/FTP Installation Cable, 305 m, Simplex, E <sub>ca</sub> <b>Teilenummer:</b> DK 1623-A-VH-305 <b>Materialnummer:</b> DK 1623-A-VH-305	<b>Typ:</b> CAT 6 U/FTP Installation Cable, 305 m, Simplex, E <sub>ca</sub> <b>Material:</b> PVC, LSZH <b>Farbe:</b> Blau <b>Querschnitt:</b> 4x23 AWG <b>Leitungsstruktur:</b> 4x23 AWG <b>Isolation:</b> PVC <b>Temperaturbereich:</b> -20°C bis +75°C <b>Flammverhalten:</b> LSZH <b>Umweltbedingungen:</b> 20°C bis +75°C, 50% bis 95% relative humidity <b>Speicherung:</b> -20°C bis +75°C, 50% bis 95% relative humidity <b>Transport:</b> -20°C bis +75°C, 50% bis 95% relative humidity <b>Verpackung:</b> 305 m / 1000 ft <b>Netto-Gewicht:</b> 1,2 kg <b>Brutto-Gewicht:</b> 1,5 kg <b>Verpackung:</b> 305 m / 1000 ft <b>Netto-Gewicht:</b> 1,2 kg <b>Brutto-Gewicht:</b> 1,5 kg

**Leitungsgruppencharakteristiken Transmission Properties**

AWG	AWG	AWG	AWG	AWG	AWG	AWG	AWG	AWG	AWG	AWG
23	22	21	20	19	18	17	16	15	14	13
0,25	0,28	0,32	0,36	0,40	0,45	0,50	0,56	0,63	0,71	0,80
1	2	3	4	5	6	7	8	9	10	11
91	83	75	67	59	51	43	35	27	19	11
280	251	222	193	164	135	106	77	48	19	11
300	267	234	201	168	135	102	69	36	15	11

Intertek

ETL Verified Certificate of Conformance Number: 19422993CF-011

Approved for use in the United States of America for the following applications: CAT 6 U/FTP Installation Cable, 305 m, Simplex, E<sub>ca</sub>

**GHMT**

**Certificate No. 48864-21**

**Zertifikat Nr. 48864-21**

Category 6e

Category 6e

**DIGITUS**

CAT 8.2  
CAT 7  
CAT 8  
CAT 9

**DIGITUS**

**EN 50522-2-2**

**EN 50522-2-3**

**EN 50522-2-4**

**EN 50522-2-5**

**EN 50522-2-6**

**EN 50522-2-7**

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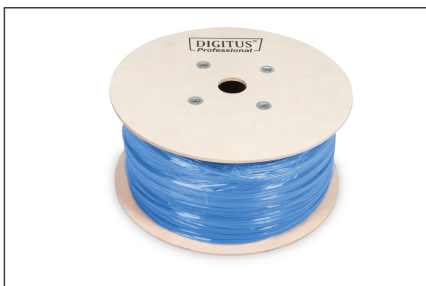
**EN 50522-2-96**

**EN 50522-2-97**

**EN 50522-2-98**

**EN 50522-2-99**

**EN 50522-2-100**



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.
- Installation only in dry rooms.
- 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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