

# DIGITUS Cat.6A U/FTP installation cable, 100 m, simplex, Eca

DK-1623-A-VH-1  
EAN 4016032344117



### CAT 6A U-FTP installation cable, 500 MHz Eca (EN 50575), AWG 23/1, 100m paper box, 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.

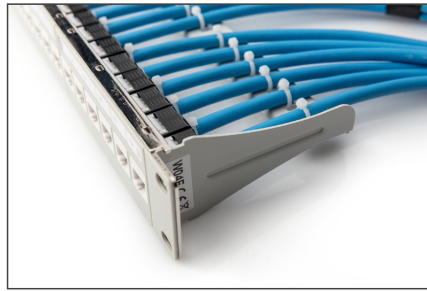
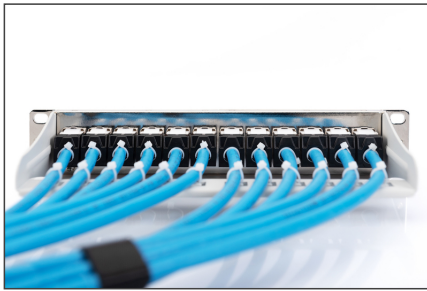
#### Future-oriented standards and high-end quality for your network.

- Physical properties:
- Conductor: Bare annealed copper, solid AWG 23/1
- System/s of AVCP: AVCP 3
- Total number of insulated conductors: 8, twisted in 4 pairs
- Color code: Blue-white, orange-white, green-white, brown-white
- Individual pair shielding: Aluminum foil, providing 100 % coverage
- Overall shielding: None, with drain wire
- Outer sheath: Eca to B2ca acc. to EN 50575; LSZH
- Outer sheath 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 Simplex (nominal): 7.0 (Eca); 7,2 mm (Dca); 7,6 mm (Cca); 7,6 mm (B2ca)
- Weight (kg/km): 56 kg (Eca); 57 kg (Dca); 58 kg (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-ground): 1.6 pF/m max. @ 1 KHz
- Insulation resistance: 5 GOhm x km min.
- DC loop resistance: 190 Ohm/km max. (2% max. resistance unbalance)
- Voltage resistance: 72 Vdc max.
- Coupling attenuation: CA-Type 2
- 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%
- Assortment: Twisted Pair Installation Cables
- Category: CAT 6A
- Shielding: U-FTP, pairs in metal foil
- CPR: Eca
- Length: 100 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)	cm <sup>3</sup>
Packaging Unit Carton	1	4.50	33.00	32.00	11.00	11.60
Packaging Unit Inside	1	4.50	33.00	32.00	11.00	11.60
Packaging Unit Single	1	5.00	33.00	32.00	11.00	11.60
Net single without Packaging	0	4.50	0.00	0.00	0.00	0.00

More images:



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AWG 23/1, 500 MHz, 10 Cat.6 Ethernet, CAT 6A, 20°/1.75°, 6 LSZH, E<sub>ca</sub> CPR class

**CAT 6A U/FTP Installation Cable, 100 m, Simplex, E<sub>ca</sub>**

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DK-1623-A-VH-1 // CAT 6, U/FTP Installation Cable, 100m, Simplex, E<sub>ca</sub>

**Anwendungsbeispiel**  
Example of use

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**Kabelquerschnitt**  
Cable cross section

Adressierung Data point, Adressierung Twisted pair, Cr-Shield Cable, Adressierung Twisted pair, Abschirmung Foil screen

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Produktdaten Product Information	Physikalische Spezifikationen Physical Properties
<b>Bezeichnung Name:</b> DK-1623-A-VH-1	<b>Leiter Conductor:</b> Bare Copper, 100°C Tolerant, 100% Oxygen Free
<b>AWG:</b> 23/1	<b>Leitung Isolierung Cable Insulation:</b> PVC, 100°C Tolerant
<b>Bandbreite Bandwidth:</b> 500 MHz	<b>Isolierungseigenschaften Insulation Properties:</b> LSZH, 100°C Tolerant, Halogen-free, Low Smoke, Low Toxic
<b>Standard:</b> CAT 6A	<b>Leitungsdämpfung Cable Attenuation:</b> 1.5 dB/100m @ 100MHz
<b>U/FTP:</b> U/FTP	<b>Leitungskapazität Cable Capacitance:</b> 45 pF/m
<b>Shielding:</b> Cr-Shield	<b>Leitungswiderstand Cable Impedance:</b> 100 Ohm
<b>Flammverhalten:</b> E <sub>ca</sub>	<b>Leitungswärmeleitfähigkeit Cable Thermal Conductivity:</b> 0.2 W/mK
<b>Umweltverträglichkeit:</b> RoHS, REACH	<b>Leitungswärmeausdehnungskoeffizient Cable Thermal Expansion Coefficient:</b> 16.5 x 10 <sup>-6</sup> 1/K

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**Leitungsgruppen Transmission Properties**

Paar	AWG	AWG	AWG	AWG	AWG	AWG	AWG	AWG	AWG
1	24	24	24	24	24	24	24	24	24
2	24	24	24	24	24	24	24	24	24
3	24	24	24	24	24	24	24	24	24
4	24	24	24	24	24	24	24	24	24
5	24	24	24	24	24	24	24	24	24
6	24	24	24	24	24	24	24	24	24
7	24	24	24	24	24	24	24	24	24
8	24	24	24	24	24	24	24	24	24

**Intertek**

**ETL Verified Certificate of Customer Number: 1142282007401**

Product: CAT 6 U/FTP 100m 23 AWG Simplex Eca

Standard: CAT 6A

Material: PVC

Length: 100m

Manufacturer: DIGITUS

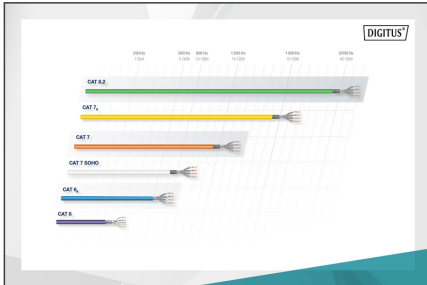
**GHMT**

**Certificate** No. 16664-11

**Zertifikat** No. 16664-11

Category 6a

Category 6a



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**CEC**

**B2ca** Softly touch, 1+

**C<sub>ca</sub>** Hoch High

**D<sub>ca</sub>** Metall Metal

**E<sub>ca</sub>** Gering Low

**1+**

**3**

**C<sub>ca</sub> s1a d1 a1**

