

# DIGITUS® CAT 6A U/FTP installation cable, 500 m, simplex, Eca

DK-1623-A-VH-5  
EAN 4016032344216



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

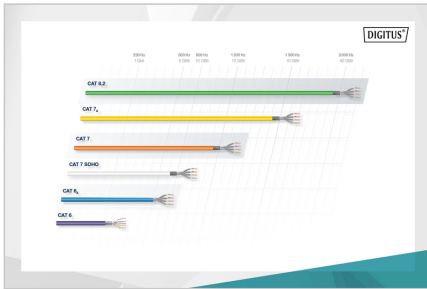
- Installation temperature range: 0 °C up to +50 °C
- Overall diameter Simplex (nominal): 7.0 (Eca); 7,2 mm (Dca); 7,6 mm (Cca); 7,6 mm (B2ca)
- Weight (kg/km): 56 kg (Eca); 57 kg (Dca); 58 kg (Cca); 58 kg (B2ca)
- Electrical properties:
- Impedance: 100±15 Ohm @ 4 - 100MHz; 100±25 Ohm @100-500 MHz
- Capacitance: 45 pF/m nominal @ 1KHz
- 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%

### Attributes

- Assortment: Twisted Pair Installation Cables
- Category: CAT 6A
- Shielding: U-FTP, pairs in metal foil
- CPR: Eca
- Length: 500 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	27.60	40.00	30.00	30.00	36,000.00
Packaging Unit Inside	1	27.60	40.00	30.00	30.00	36,000.00
Packaging Unit Single	1	27.60	40.00	30.00	30.00	36,000.00
Net single without Packaging	1	27.44	40.00	30.00	30.00	36,000.00

More images:



**Leitungsparameter-Transmission Properties**

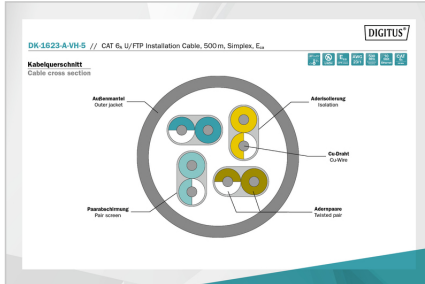
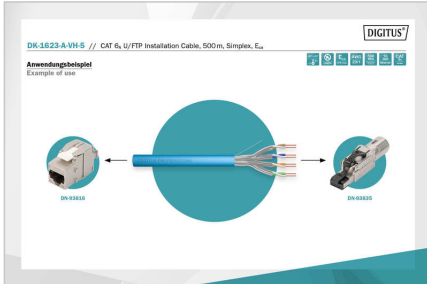
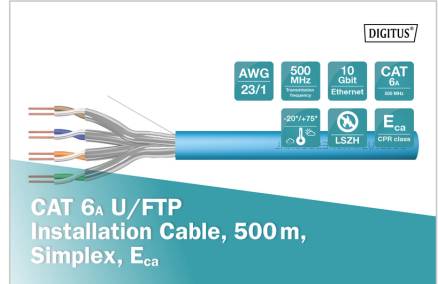
PROG.	JST	MCST	FR-MDT	ACS	FR-KR	TK	SLKST	FR-SMD
1.1	3.2	16	10	30.1	19.3	31	16	16
1.2	1.2	16	17	34.1	18.1	20	16	16
1.3	2.6	16	11	34.2	18.2	20.1	16	16
1.4	2.1	16	11	34.9	19.9	19.1	16	17
1.5	4.3	17	10	33.7	18.7	19.2	14	11

**GHMT Type Approval**

**Category 6i**

**AWG 23/1** | **500 MHz** | **10 Gbit Ethernet** | **CAT 6A** | **E<sub>ca</sub>**

**20° / 75°** | **LSZH** | **CFR class**

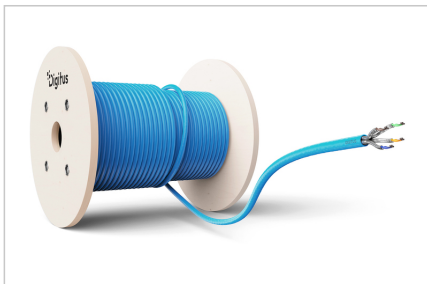
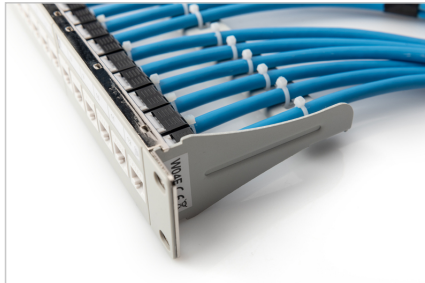


**Produktionsdaten-Produktinformation**

Produktname	DK-1623-A-VH-S	Produkttyp	Ethernet-Kabel
Hersteller	Digitus	Material	PVC
Produktcode	DK-1623-A-VH-S	Produktlänge	500m

**Physikalische Spezifikationen-Physical Properties**

Leitungsparameter	AWG 23/1	Leitungsparameter	AWG 23/1
Leitungsparameter	500 MHz	Leitungsparameter	500 MHz
Leitungsparameter	10 Gbit Ethernet	Leitungsparameter	10 Gbit Ethernet



**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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