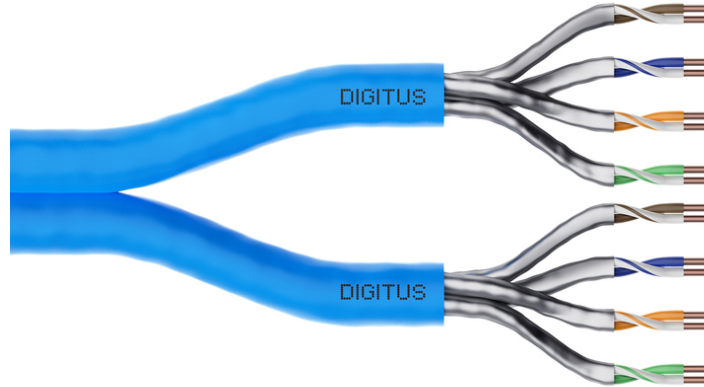


# DIGITUS® CAT 6A U/FTP installation cable, 500 m, duplex, Cca

DK-1625-A-VH-D-5  
EAN 4016032486787



## CAT 6A U-FTP installation cable, 500 MHz Cca (EN 50575), AWG 23/1, 500 m drum, dx, 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 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 50288-10-1.

### 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

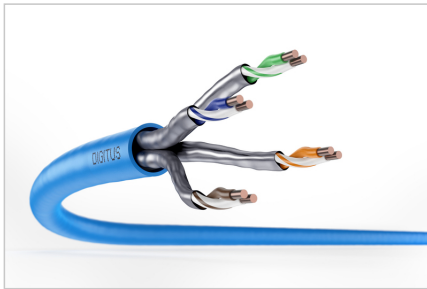
- Installation temperature range: 0 °C up to +50 °C
- Overall diameter Simplex (nominal): 7.0 (Eca); 7,2 mm (Dca); 7,6 mm (Cca); 7,6 mm (B2ca)
- Weight (kg/km): 56 kg (Eca); 57 kg (Dca); 58 kg (Cca); 58 kg (B2ca)
- Electrical properties:
- Impedance: 100±15 Ohm @ 4 - 100MHz; 100±25 Ohm @100-500 MHz
- 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: Cca
- 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	52.80	55.00	55.00	38.00	114,950.00
Packaging Unit Inside	1	52.80	57.00	30.00	35.50	60,705.00
Packaging Unit Single	1	52.80	55.00	55.00	38.00	114,950.00
Net single without Packaging	1	0.00	0.00	0.00	0.00	0.00

More images:



**DIGITUS**

AWG 23/1

500 MHz Transmitted

10 Gbit Ethernet

CAT 6A

20° ± 75°

LSZH

Eca

CFR class

**CAT 6A U/FTP Installation Cable, 500 m, Simplex, E<sub>ca</sub>**

**DIGITUS**

DK-1823-A-VH-6 // CAT 6, U/FTP Installation Cable, 500m, Simplex, E<sub>ca</sub>

**Anwendungsbispiel**  
Example of use

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DK-1823-A-VH-6 // CAT 6, U/FTP Installation Cable, 500m, Simplex, E<sub>ca</sub>

**Kabelquerschnitt**  
Cable cross section

Labels: Aufwärtige Folie (outer jacket), Aufwärtige Twisted Pairs, Abschirmung (shielding), Abschirmung Twisted Pairs, Abschirmung (shielding), Abschirmung Twisted Pairs, Abschirmung (shielding), Abschirmung Twisted Pairs.

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**Produktinformation Product Information**

**Elektrische Eigenschaften Electrical Properties**

**Physikalische Spezifikationen Physical Properties**

**Mechanische Eigenschaften Mechanical Properties**

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**Leitungsparameter Transmission Properties**

FREQ.	ATT	NEXT	PS NEXT	ACR	PS ACR	SL	EXTFEXT	PS EXFEXT
MHz	dB	dB	dB	dB	dB	dB	dB	dB
1	1.1	25	16	6.0	6.0	25	16	16
10	1.0	30	17	6.1	6.1	25	16	16
100	0.8	35	17	6.0	6.0	26	16	16
1000	0.3	45	16	5.9	5.9	13	16	17
10000	0.1	57	13	5.7	5.7	12	14	11

**Intertek**

**ETL Vertical Certificate of Conformance**

Model: 1823-A-VH-6

Part Number: 1823-A-VH-6

Quantity: 500

Material: PVC

Color: Blue

Length: 500m

Category: CAT 6

Shielding: U/FTP

Conductor: 23 AWG

Temperature: 20°C ± 75°C

Flamm: LSZH

RoHS: Compliant

UL: Eca

CFR: Class

**GHMT**

**Certificate**

No. 1823-A-VH-6

Category 6

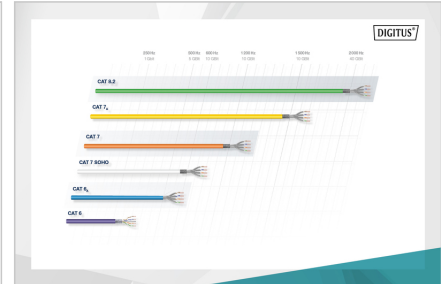
**Zertifikat**

No. 1823-A-VH-6

Kategorie 6

**Approved cable, Copper, Category 6**

**GHMT Type Approval**



**DIGITUS**

**CFR Classifications**

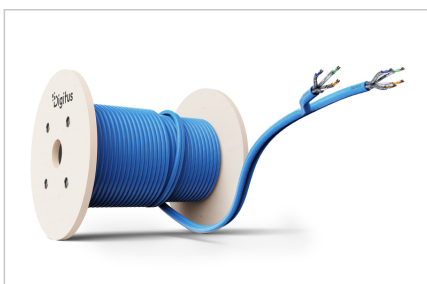
**Bestimmungskategorie für den Einsatz**

**Leitungsparameter (AWG)**

**Abwärtige der conformity Data**

**Zusätzliche Informationen**

Labels: B2ca, Cca, Dca, Eca, Cca, s1a, d1, a1



**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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