

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.

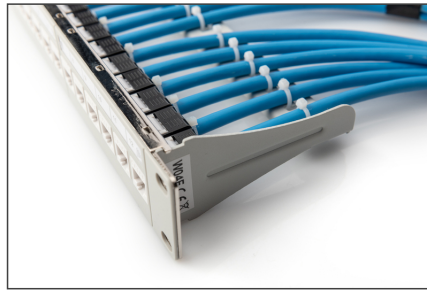
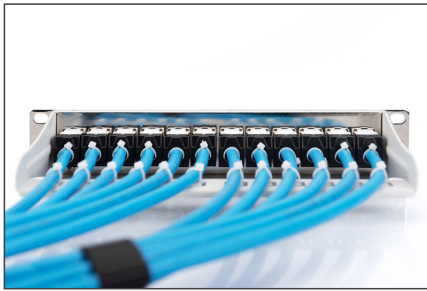
Future-oriented standards and high-end quality for your network.

- 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 @ 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: 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	28.00	40.00	30.00	30.00	36.00
Packaging Unit Inside	1	28.00	40.00	30.00	30.00	36.00
Packaging Unit Single	1	28.00	40.00	30.00	30.00	36.00
Net single without Packaging	0	0.00	0.00	0.00	0.00	0.00

More images:



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AWG 23/1
500 MHz
10 Gbit Ethernet
CAT 6a
Eca
LSZH
207/75°
CPH class

CAT 6a U/FTP Installation Cable, 500m, Simplex, Eca

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DK-1623-A-VH-S // CAT 6, U/FTP Installation Cable, 500m, Simplex, Eca

Anwendungsbeispiel
Example of use

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DK-1623-A-VH-S // CAT 6, U/FTP Installation Cable, 500m, Simplex, Eca

Kabelquerschnitt
Cable cross section

Aufwärtiger Twisted pair
Abwärts Twisted pair
Cu-Braid Co-Wire
Flechtstruktur Flat screen

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Produktinformationen Product Information	Physikalische Spezifikationen Physical Properties
Herstellername: DIGITUS Professional GmbH, Tübingen, Germany Hersteller-Teilnummer: DK-1623-A-VH-S Hersteller-Teilnummer (Eca): DK-1623-A-VH-S-Eca Hersteller-Teilnummer (LSZH): DK-1623-A-VH-S-LSZH	Typ: CAT 6a U/FTP Installation Cable, 500m, Simplex, Eca Material: Polyethylene (PE) jacket, twisted pair conductors Leitungsstruktur: 4 twisted pairs, shielded, simplex
Technische Eigenschaften Technical Properties	Mechanische Eigenschaften Mechanical Properties
Leitungsstruktur: 4 twisted pairs, shielded, simplex Leitungsstruktur (Eca): 4 twisted pairs, shielded, simplex, Eca Leitungsstruktur (LSZH): 4 twisted pairs, shielded, simplex, LSZH	Leitungsstruktur: 4 twisted pairs, shielded, simplex Leitungsstruktur (Eca): 4 twisted pairs, shielded, simplex, Eca Leitungsstruktur (LSZH): 4 twisted pairs, shielded, simplex, LSZH

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Leitungsstruktur: Transmission Properties

AWG	AWG	AWG	AWG	AWG	AWG	AWG	AWG	AWG	AWG
24	23	22	21	20	19	18	17	16	15
0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5

Intertek

ETL Verified Certificate of Compliance Number: 1942299RST-011

ETL Verified Certificate of Compliance

Product Description: CAT 6a U/FTP Installation Cable, 500m, Simplex, Eca

Approval: [Signature]

GHMT

Certificate No. 19884-21

Zertifikat No. 19884-21

Category 6e

Kategorie 6e

GHMT Type Approval

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Performance Comparison

Category	Speed	Frequency	Shielding
B2ca	10 Gbps	500 MHz	None
Cca	10 Gbps	500 MHz	None
Dca	10 Gbps	500 MHz	None
Eca	10 Gbps	500 MHz	None

