

DIGITUS® Cat.6A U/FTP installation cable, 500 m, simplex, B2ca

DK-1626-A-VH-5

EAN 4016032441847



CAT 6A U-FTP installation cable, 500 MHz B2ca (EN 50575), AWG 23/1, 500 m drum,

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 B2ca . 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

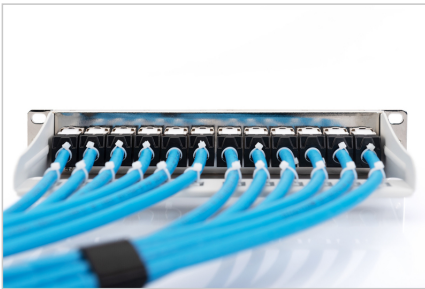
- Installation temperature range: 0 °C up to +50 °C
- Overall diameter Simplex (nominal): 7.0 (Eca); 7,2 mm (Dca); 7,6 mm (Cca); 7,6 mm (B2ca)
- Weight (kg/km): 56 kg (Eca); 57 kg (Dca); 58 kg (Cca); 58 kg (B2ca)
- Electrical properties:
- Impedance: 100±15 Ohm @ 4 - 100MHz; 100±25 Ohm @100-500 MHz
- 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: B2ca
- 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	36,000.00
Packaging Unit Inside	1	28.00	40.00	30.00	30.00	36,000.00
Packaging Unit Single	1	28.00	40.00	30.00	30.00	36,000.00
Net single without Packaging	1	27.84	40.00	30.00	30.00	36,000.00

More images:



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AWG 23/1
500 MHz
10 Gbit Ethernet
CAT 6a
Eca
LSZH
CPL class

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

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

Anwendungsbeispiel
Example of use

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

Kabelquerschnitt
Cable cross section

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Produktdaten / Product Information	Physikalische Spezifikationen / Physical Properties
Produktname / Product Name: CAT 6a U/FTP Installation Cable, 500m, Simplex, Eca	Typ / Type: CAT 6a U/FTP Installation Cable
Produktbeschreibung / Product Description: CAT 6a U/FTP Installation Cable, 500m, Simplex, Eca	Material / Material: Polyethylene (PE) jacket, twisted pairs of copper wires
Technische Eigenschaften / Technical Properties: 500m length, Simplex, Eca class	Leistungseigenschaften / Performance Characteristics: 10 Gbit Ethernet, 500 MHz bandwidth
Abmessungen / Dimensions: 23 AWG, 1.2mm diameter	Mechanische Eigenschaften / Mechanical Properties: 10000m bending radius, 100N tensile strength
Umweltbedingungen / Environmental Conditions: -40°C to 75°C	Normen / Standards: ISO/IEC 11801, ANSI/TIA-568

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Leistungseigenschaften / Performance Characteristics

Parameter	Value
Bandwidth	500 MHz
Data Rate	10 Gbit/s
Attenuation	20.5 dB/100m
Return Loss	15 dB
Shielding Effectiveness	100 dB

Intertek

ETL Verified Certificate of Conformance Number: 194229903P-011

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

Approval: [Signature]

GHMT

Certificate No. 19884-21

Zertifikat No. 19884-21

Kategorie 6a

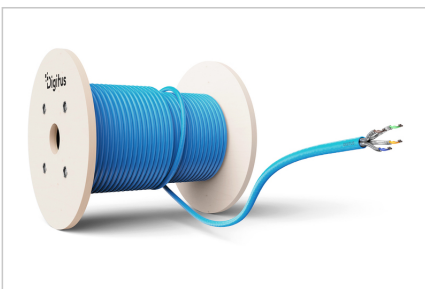
Category 6a

GHMT Type Approval

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Category	Performance	Shielding	Conductivity
B2ca	Sehr hoch / Very High	1+	1
Cca	Hoch / High	2	2
Dca	Mittel / Medium	3	3
Eca	Gering / Low	4	4



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.

ASSMANN Electronic GmbH
Auf dem Schüffel 3
Lüdenscheid, Germany
<https://www.assmann.com>
info@assmann.com