

Cat.6A U/FTP installation cable, 305 m, simplex, Dca, Easy pull Box

DK-1624-A-VH-305
EAN 4016032344148



CAT 6A U-FTP installation cable, 500 MHz Dca (EN 50575), AWG 23/1, 305 m, Easy pull Box

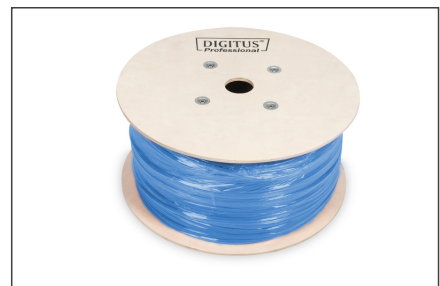
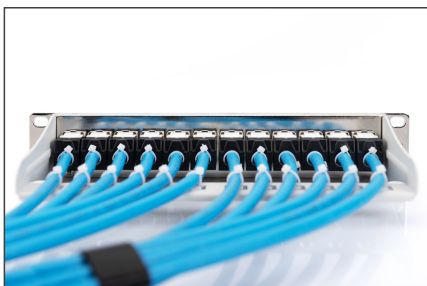
The Digitus® Cat.6A U/FTP installation cable is characterized by the following cable construction 4x2x AWG23/1 and reaches a transmission frequency up to 500 MHz. The halogen free cable jacket is conform to the standard IEC 60332-1, FRNC-B, LSZH-1 and CPR Euro class Dca. The cable is suitable for building 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 copper wire, AWG 23/1
- System(s) for the assessment and verification of constancy of performance: System 3
- Total number of insulated conductors: 8, twisted into 4 pairs
- Color code: Blue-white, orange-white, green-white, brown-white
- Shielding of the individual pairs: Aluminum-laminated polyester film, covers 100%
- Outer sheath: Eca to B2ca in accordance with EN 50575; LSZH
- Outer sheath thickness (nominal): 0.5 mm (Eca); 0.6 mm (Dca); 0.8 mm (Cca); 0.8 mm (B2ca)
- Outer casing color: Light blue (RAL 5012)
- Mechanical properties:
- Strain relief: 150N max.
- Dynamic bending radius: 8x AD mm min.
- Static bending radius: 4x AD mm min.

- Transport and storage temperature range: -20 °C to +60 °C
- Operating temperature range: -20 °C to +75 °C
- Installation temperature range: 0 °C to +50 °C
- Outer diameter: 7.0 mm (Eca); 7.2 mm (Dca); 7.6 mm (Cca); 7.6 mm (B2ca)
- Weight (kg/km): 56 kg (Eca); 57 kg (Dca); 58 (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-earth): 1.6 pF/m max. @ 1 KHz
- Insulation resistance: 5 GOhm x km min.
- Loop resistance: 190 Ohm/km max. (2% max. unbalanced resistance)
- Operating voltage: 72 Vdc max.
- Coupling attenuation: CA-Type 2
- Phase delay: 450 nS/100 m max.
- Time delay: 25 nS/100 m max.
- Separation class: "c" according to EN 50174-2
- NVP: 70%
- Assortment: Twisted Pair Installation Cables
- Category: CAT 6A
- Shielding: U-FTP, pairs in metal foil
- CPR: Dca
- Length: 305 m
- Color: light-blue
- Jacket: LSOH
- Structure: 4 x 2 AWG 23/1, solid twisted pair

More images:



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CAT 6a U/FTP Installation Cable, 305 m, Simplex, E_{ca}

AWG 23/1, 500 MHz, 10 Gbit Ethernet, CAT 6a, LSZH, E_{ca} CPR class

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Anwendungsbeispiel
Example of use

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Kabelquerschnitt
Cable cross section

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Produktdaten Product Information	Physikalische Spezifikation Physical Properties
Produktname: CAT 6a U/FTP Installation Cable, 305 m, Simplex, E _{ca} Artikelnummer: DK-1623-A-VH-305 Hersteller: DIGITUS Material: PVC, LSZH, E _{ca} Farbe: Blau Länge: 305 m Querschnitt: 10,5 mm Ø AWG: 23/1 Leistungsfähigkeit: 500 MHz Bandbreite: 10 Gbit Ethernet Kategorie: CAT 6a LSZH: Yes E_{ca}: Yes CPR class: E _{ca}	Material: PVC, LSZH, E _{ca} Farbe: Blau Länge: 305 m Querschnitt: 10,5 mm Ø AWG: 23/1 Leistungsfähigkeit: 500 MHz Bandbreite: 10 Gbit Ethernet Kategorie: CAT 6a LSZH: Yes E_{ca}: Yes CPR class: E _{ca}

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Leistungseigenschaften Transmission Properties

FRF1	ATT	NEXT	PS NEXT	ACR	PL ACR	IS	ELEXT	PS ELEXT
1.1	5.7	66	62	92	88	26	18	18
11	5.3	66	67	94	91	26	18	18
100	5.2	65	65	94	92	26	18	18
1000	5.1	65	65	94	93	26	18	18
10000	5.1	65	65	94	93	26	18	18

Intertek

ETL Verified Certificate of Conformance Number: 191222020001-001

Product Name: CAT 6a U/FTP Installation Cable, 305 m, Simplex, E_{ca}

Model Number: DK-1623-A-VH-305

Manufacturer: DIGITUS

Approval: July 2014

GHMT

Certificate
No. 18866a-11

Zertifikat
Nr. 18866a-11

Category 6

Category 6

Standard cable, Copper, Category 6
GHMT Type Approval

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EN 50173	EN 50174	EN 50175	EN 50176
B2ca	Cca	Dca	Eca
High	Medium	Low	Low
1+	3	3	3
s1a	d1	a1	a1

