

DIGITUS Cat.6A U/FTP installation cable, 305 m, simplex, Eca

DK-1623-A-VH-305
EAN 4016032344124



CAT 6A U-FTP installation cable, 500 MHz Eca (EN 50575), AWG 23/1, 305 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.

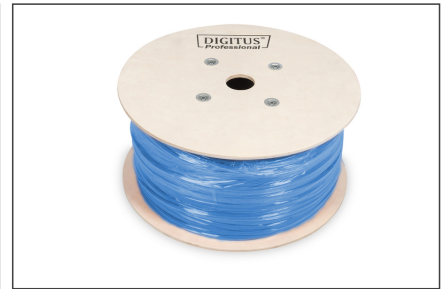
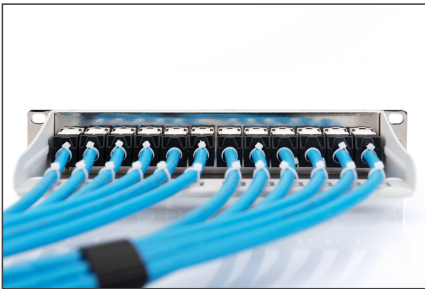
Future-oriented standards and high-end quality for your network.

- Physical properties:
- Conductor: Bare 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: Eca
- Length: 305 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	14.96	37.00	37.00	22.00	30.12
Packaging Unit Inside	1	14.96	37.00	37.00	22.00	30.12
Packaging Unit Single	1	14.96	37.00	37.00	22.00	30.12
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
20°/7.5° LSZH
E_{ca} Cat 6a
E_{ca} Cat 6

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

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DK-1623-A-VH-305 // CAT 6, U/FTP Installation Cable, 305 m, Simplex, E_{ca}

Anwendungsbeispiel
Example of use

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Kabelquerschnitt
Cable cross section

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Produktdaten Product Information	Physikalische Spezifikationen Physical Properties
Bestellnummer DK-1623-A-VH-305	Typ CAT 6
Produktname CAT 6a U/FTP Installation Cable, 305 m, Simplex, E _{ca}	Norm EN 60729, EN 60728, EN 60727, EN 60726, EN 60725, EN 60724, EN 60723, EN 60722, EN 60721, EN 60720, EN 60719, EN 60718, EN 60717, EN 60716, EN 60715, EN 60714, EN 60713, EN 60712, EN 60711, EN 60710, EN 60709, EN 60708, EN 60707, EN 60706, EN 60705, EN 60704, EN 60703, EN 60702, EN 60701, EN 60700
Material PVC, LSZH (0.5% Halogen, 0.1% Antimon, 99.4% Polyethylen)	Leitungsstruktur 4 x Twisted Pair (TP), 2 x Shielded Twisted Pair (STP), 2 x Unshielded Twisted Pair (UTP)
Produktbeschreibung CAT 6a U/FTP Installation Cable, 305 m, Simplex, E _{ca}	Mechanische Spezifikationen Mechanical Properties
Leitungsstruktur 4 x Twisted Pair (TP), 2 x Shielded Twisted Pair (STP), 2 x Unshielded Twisted Pair (UTP)	Leitungsstruktur 4 x Twisted Pair (TP), 2 x Shielded Twisted Pair (STP), 2 x Unshielded Twisted Pair (UTP)
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Leitungsstruktur: Transmitter Properties

PAIR	AWG	WT	MDT	PL MDT	AWG	AWG	WT	MDT	PL MDT	AWG	WT	MDT	PL MDT
1	24	33	30	30	24	33	30	30	30	24	33	30	30
2	24	33	30	30	24	33	30	30	30	24	33	30	30
3	24	33	30	30	24	33	30	30	30	24	33	30	30
4	24	33	30	30	24	33	30	30	30	24	33	30	30

Intertek

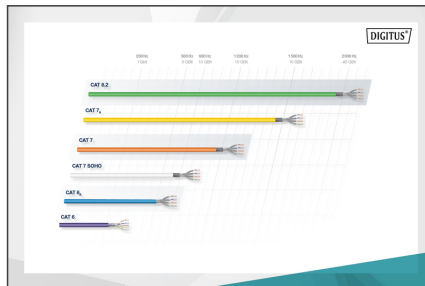
ETL Verifed Certificate of Conformance Number: 18422003C01-001

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

GHMT

Certificate No. 18422003-11
Category: G_{ca}

Zertifikat Nr. 18422003-11
Kategorie: G_{ca}



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500 MHz 10 Gbit Ethernet 20°/7.5° LSZH E_{ca} Cat 6a

B2_{ca} Super hoch Very High

C_{ca} Hoch High

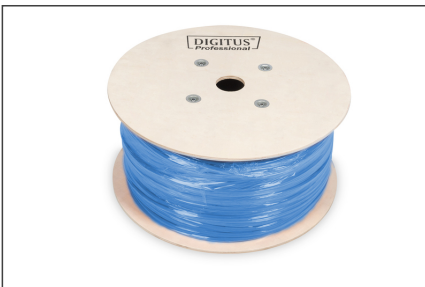
D_{ca} Mittel Medium

E_{ca} Gering Low

1+

3

C_{ca} 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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