

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.

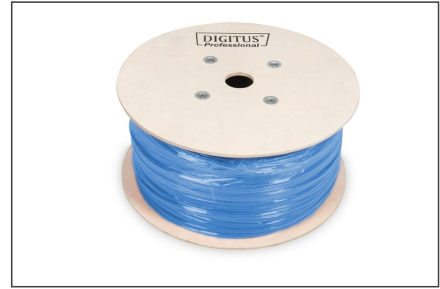
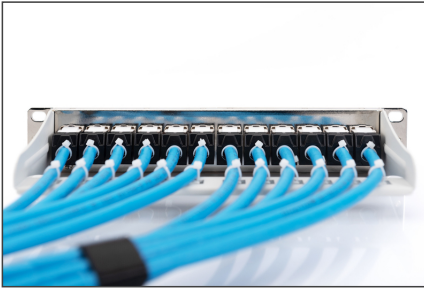
Future-oriented standards and high-end quality for your network.

- 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	30,118.00
Packaging Unit Inside	1	14.96	37.00	37.00	22.00	30,118.00
Packaging Unit Single	1	14.96	37.00	37.00	22.00	30,118.00
Net single without Packaging	1	14.78	37.00	37.00	22.00	30,118.00

More images:



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AWG 23/1 | 500 MHz | 10 Gbit Ethernet | CAT 6a | E_{ca} class | LSZH | 207/75°

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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Produktinformationen / Product Information	Physikalische Spezifikationen / Physical Properties
Herstellername / Manufacturer: DIGITUS Professional	Teilenummer / Part Number: DK-1623-A-VH-305
Produktname / Product Name: CAT 6a U/FTP Installation Cable, 305 m, Simplex, E _{ca}	Material / Material: Polyethylene (PE) / PVC
Produktbeschreibung / Product Description: CAT 6a U/FTP Installation Cable, 305 m, Simplex, E _{ca}	Lebensdauer / Lifetime: 10 years
Technische Spezifikationen / Technical Specifications: CAT 6a U/FTP Installation Cable, 305 m, Simplex, E _{ca}	Temperaturbereich / Temperature Range: -40°C to +75°C
Abmessungen / Dimensions: CAT 6a U/FTP Installation Cable, 305 m, Simplex, E _{ca}	Wegung / Weight: 1.2 kg
Material / Material: CAT 6a U/FTP Installation Cable, 305 m, Simplex, E _{ca}	Flammverhalten / Flamm Behavior: LSZH
Umweltbedingungen / Environmental Conditions: CAT 6a U/FTP Installation Cable, 305 m, Simplex, E _{ca}	Bestandteile / Components: CAT 6a U/FTP Installation Cable, 305 m, Simplex, E _{ca}

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Leitungsgruppencharakteristiken / Transmission Properties

Strecke / Distance	ATT	MLT	PL NEXT	ANX	PL NEXT	DL	ELEXT	PL NEXT
1	1.1	0.8	0.8	0.8	0.8	0.8	0.8	0.8
10	1.1	0.8	0.8	0.8	0.8	0.8	0.8	0.8
100	1.1	0.8	0.8	0.8	0.8	0.8	0.8	0.8
1000	1.1	0.8	0.8	0.8	0.8	0.8	0.8	0.8
10000	1.1	0.8	0.8	0.8	0.8	0.8	0.8	0.8

Intertek

ETL Verified Certificate of Compliance Number: 1942299CSP-001

Approved for use in the United States of America for the following applications: CAT 6a U/FTP Installation Cable, 305 m, Simplex, E_{ca}

Approved for use in the European Union for the following applications: CAT 6a U/FTP Installation Cable, 305 m, Simplex, E_{ca}

Approved for use in the rest of the world for the following applications: CAT 6a U/FTP Installation Cable, 305 m, Simplex, E_{ca}

GHMT

Certificate No. 48864-21

Zertifikat Nr. 48864-21

Category 6e

Kategorie 6e

GHMT Type Approval

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Performance Comparison Table:

Performance Class	Standard	Category	Shielding	Applications
B2 _{ca}	Super Shield	1+	Full Shielding	High Performance
C _{ca}	High	1	Partial Shielding	High Performance
D _{ca}	Medium	3	Partial Shielding	High Performance
E _{ca}	Shielding	3	Partial Shielding	High Performance
F _{ca}	Low	3	Partial Shielding	High Performance

