

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.

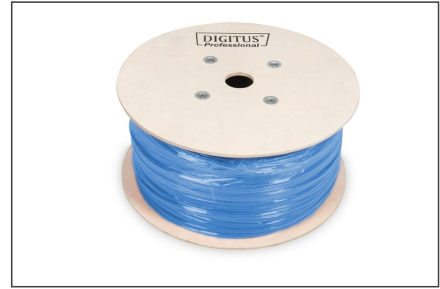
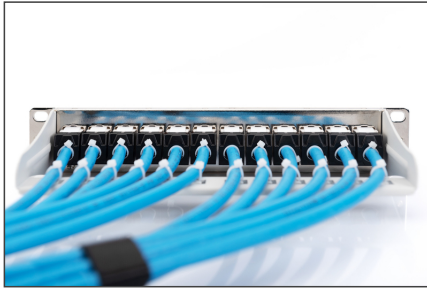
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- Physical properties:
- Conductor: Bare annealed copper, solid AWG 23/1
- Total number of insulated conductors: 8, twisted in 4 pairs
- Color code: Blue-white, orange-white, green-white, brown-white
- Individual pair shielding: Aluminum foil, providing 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: 25 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: 305 m
- 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)	cm ³
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 | Eca 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: PVC
Produktbeschreibung / Product Description: CAT 6a U/FTP Installation Cable, 305 m, Simplex, E _{ca}	Leitungsstruktur / Wiring Structure: 4 twisted pairs (blue, orange, green, brown)
Technische Spezifikationen / Technical Specifications: 500 MHz, 10 Gbit Ethernet, CAT 6a, Eca class, LSZH, 207/75°	Mechanische Spezifikationen / Mechanical Properties: 305 m length, 23 AWG conductors, 100 Ohm characteristic impedance

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Leitungsstruktur / Wiring Structure

AWG	AWG	AWG	AWG	AWG	AWG	AWG	AWG
23	23	23	23	23	23	23	23
23	23	23	23	23	23	23	23

Intertek

ETL Verified Certificate of Compliance Number: 1942299CSP-011

Approved for use in the United States of America 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

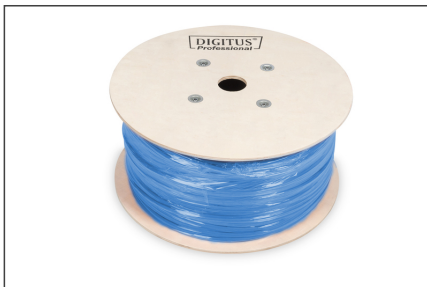
Category 6e

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Performance Comparison Table:

Category	Shielding	Performance	Applications
B2ca	None	1+	Standard Ethernet
Cca	None	2	Standard Ethernet
Dca	None	3	Standard Ethernet
Eca	None	3	Standard Ethernet



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