

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.

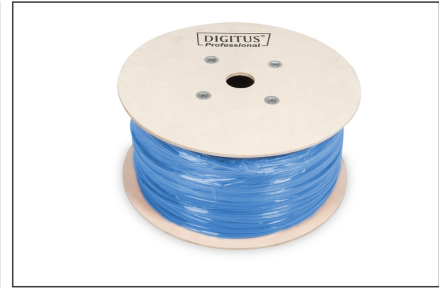
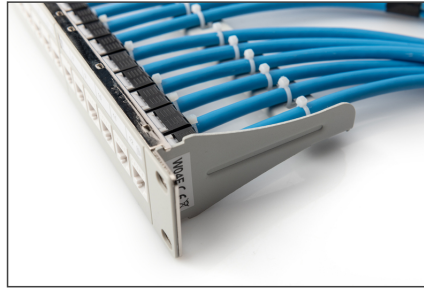
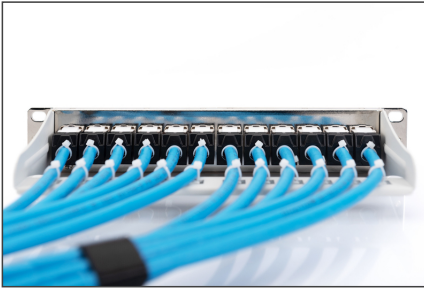
Future-oriented standards and high-end quality for your network.

- Physical properties:
- Conductor: Bare 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 LSZH Eca

CAT 6a U/FTP Installation Cable, 305 m, Simplex, Eca

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DK-1623-A-VH-305 // CAT 6, U/FTP Installation Cable, 305 m, Simplex, Eca

Anwendungsbeispiel Example of use

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Kabelquerschnitt Cable cross section

Adressierte Datenpaar Addressed data pair
Adressierung Twisting
Co-Braid Co-Braid
Adressierte Datenpaar Addressed data pair
Pantenschutz Pair armor

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Produktdaten Product Information	Physikalische Spezifikationen Physical Properties
Identifikation Hersteller: DIGITUS Produktname: CAT 6a U/FTP Installation Cable, 305 m, Simplex, Eca Artikelnummer: DK-1623-A-VH-305 EAN: 4052442 162305	Material Kategorie: CAT 6a U/FTP Installation Cable, 305 m, Simplex, Eca Material: PVC, LSZH, 23 AWG, 10/100/1000 Mbps Kategorie: CAT 6a U/FTP Installation Cable, 305 m, Simplex, Eca Material: PVC, LSZH, 23 AWG, 10/100/1000 Mbps
Technische Eigenschaften Technical Properties Kategorie: CAT 6a U/FTP Installation Cable, 305 m, Simplex, Eca Material: PVC, LSZH, 23 AWG, 10/100/1000 Mbps Kategorie: CAT 6a U/FTP Installation Cable, 305 m, Simplex, Eca Material: PVC, LSZH, 23 AWG, 10/100/1000 Mbps	Mechanische Eigenschaften Mechanical Properties Kategorie: CAT 6a U/FTP Installation Cable, 305 m, Simplex, Eca Material: PVC, LSZH, 23 AWG, 10/100/1000 Mbps Kategorie: CAT 6a U/FTP Installation Cable, 305 m, Simplex, Eca Material: PVC, LSZH, 23 AWG, 10/100/1000 Mbps

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Leitungsgruppencharakteristika Transmission Properties

AWG	AWG	AWG	AWG	AWG	AWG	AWG	AWG	AWG
24	22	20	18	16	14	12	10	8
0.8	1.0	1.2	1.6	2.0	2.5	3.2	4.0	5.0
0.20	0.25	0.30	0.40	0.50	0.63	0.80	1.00	1.25
0.005	0.006	0.007	0.009	0.011	0.014	0.018	0.023	0.029
0.01	0.012	0.015	0.019	0.024	0.030	0.038	0.048	0.060
0.02	0.025	0.032	0.040	0.050	0.063	0.080	0.100	0.125
0.05	0.063	0.080	0.100	0.125	0.156	0.200	0.250	0.315
0.10	0.125	0.156	0.200	0.250	0.315	0.400	0.500	0.630
0.16	0.200	0.250	0.315	0.400	0.500	0.630	0.800	1.000
0.25	0.315	0.400	0.500	0.630	0.800	1.000	1.250	1.575
0.36	0.450	0.562	0.700	0.875	1.100	1.375	1.750	2.231
0.50	0.630	0.800	1.000	1.250	1.575	2.000	2.500	3.150

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ETL Verified Certificate of Compliance Number: 1942299CSP-001

Intertek

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GHMT

Certificate No. 48864-21

Zertifikat No. 48864-21

Category 6e

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GHMT Type Approval

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Performance Comparison

Category	Performance	Speed	Shielding
B2ca	Super hoch Very High	1+	• Typischerweise • Full-Shield-Design • Full-Shield-Design
C6a	Hoch High	1	• Typischerweise • Full-Shield-Design • Full-Shield-Design
D6a	Mittel Medium	3	• Typischerweise • Full-Shield-Design • Full-Shield-Design
E6a	Gering Low	3	• Typischerweise • Full-Shield-Design • Full-Shield-Design

