

# 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.

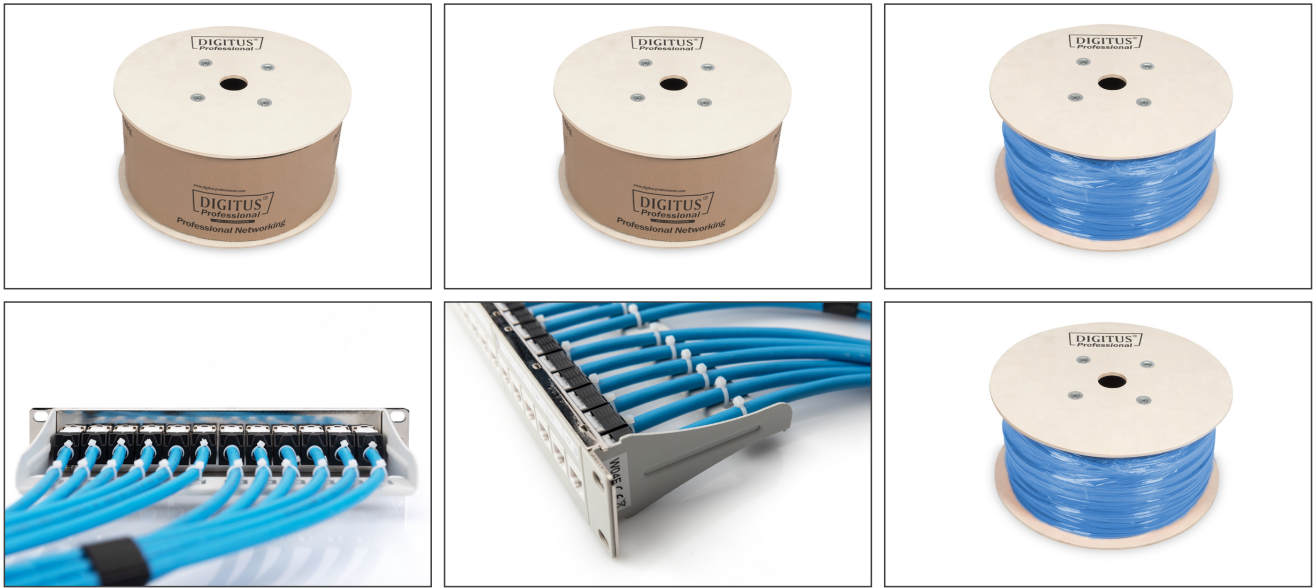
#### Future-oriented standards and high-end quality for your network.

- 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 <sup>3</sup>
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	0.00	0.00	0.00	0.00	0.00

More images:



**CAT 6a U/FTP Installation Cable, 305 m, Simplex, E<sub>ca</sub>**

**DK-1623-A-VH-305 // CAT 6, U/FTP Installation Cable, 305 m, Simplex, E<sub>ca</sub>**

Anwendungsbereich  
Example of use

**DK-1623-A-VH-305 // CAT 6, U/FTP Installation Cable, 305 m, Simplex, E<sub>ca</sub>**

Kabelquerschnitt  
Cable cross section

Produktdaten Product Information	Physikalische Spezifikationen Physical Properties
<b>Hersteller/Manufacturer:</b> Digitus (China, Shenzhen, PRC), Digitus Technology (China, Shenzhen, PRC), Digitus Professional	<b>Typ/Type:</b> Simplex, U/FTP, Shielded, 23 AWG, 23/1
<b>Teilenummer/Part number:</b> DK-1623-A-VH-305, 1 x 305 m, 7 x 0,20 mm, 23 AWG, 23/1	<b>Leitungsleiter/Conductors:</b> 4 x 2,0 mm <sup>2</sup> (23 AWG), 3 x 1,0 mm <sup>2</sup> (28 AWG)
<b>Material/Material:</b> PVC, LSZH, 23 AWG, 23/1, 23 AWG, 23/1	<b>Leitungsleiter/Conductors:</b> 4 x 2,0 mm <sup>2</sup> (23 AWG), 3 x 1,0 mm <sup>2</sup> (28 AWG)
<b>Elektrische Eigenschaften Electrical Properties</b>	<b>Mechanische Eigenschaften Mechanical Properties</b>
<b>Impedanz/Impedance:</b> 100 Ω ± 15%	<b>Leitungsleiter/Conductors:</b> 4 x 2,0 mm <sup>2</sup> (23 AWG), 3 x 1,0 mm <sup>2</sup> (28 AWG)
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**Leitungsleiter/Conductors Properties**

AWG	Ø	WT	SECT	PL NEXT	ACR	PL ACR	RL	SLUR	PL SLUR
23	0,25	0,05	0,05	0,05	0,05	0,05	0,05	0,05	0,05
24	0,20	0,04	0,04	0,04	0,04	0,04	0,04	0,04	0,04
25	0,18	0,03	0,03	0,03	0,03	0,03	0,03	0,03	0,03
26	0,16	0,02	0,02	0,02	0,02	0,02	0,02	0,02	0,02
27	0,14	0,01	0,01	0,01	0,01	0,01	0,01	0,01	0,01
28	0,12	0,01	0,01	0,01	0,01	0,01	0,01	0,01	0,01

Intertek ETL Vertical Certificate of Conformance Number: 1916230001-001

**Certificate**  
No. 161623-001

Category 6e

**Zertifikat**  
No. 161623-001

Kategorie 6e

**DIGITUS**

**DIGITUS**

GBE System	Branchenstandard	Leistungsleistungskategorie	Adaption der Zertifizierung	Zertifizierung
B2c	Very High	1+	• Typischerweise • Physikalische Abschirmung • Physikalische Abschirmung • Physikalische Abschirmung	S
C6a	High	3	• Typischerweise • Physikalische Abschirmung	d
D6a	Medium	3	• Typischerweise • Physikalische Abschirmung	a
E6a	Low	3	• Typischerweise • Physikalische Abschirmung	a