

# DIGITUS® CAT 6A U/FTP installation cable, 100 m, simplex, Eca

DK-1623-A-VH-1

EAN 4016032344117



## CAT 6A U-FTP installation cable, 500 MHz Eca (EN 50575), AWG 23/1, 100m paper box, 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
- System/s of AVCP: AVCP 3
- 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

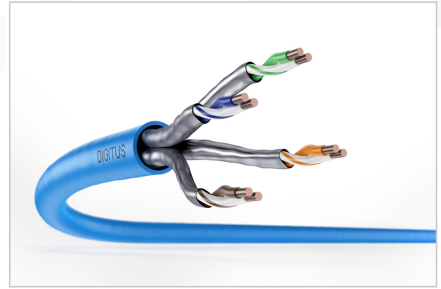
- Installation temperature range: 0 °C up to +50 °C
- Overall diameter Simplex (nominal): 7.0 (Eca); 7,2 mm (Dca); 7,6 mm (Cca); 7,6 mm (B2ca)
- Weight (kg/km): 56 kg (Eca); 57 kg (Dca); 58 kg (Cca); 58 kg (B2ca)
- Electrical properties:
- Impedance: 100±15 Ohm @ 4 - 100MHz; 100±25 Ohm @100-500 MHz
- Capacitance: 45 pF/m nominal @ 1KHz
- 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: 15 nS/100 m max.
- Separating class: "c" acc. to EN 50174-2
- NVP: 70%

### Attributes

- Asortiman: Instalacijski kabeli s upredenim paricama
- Kategorija: CAT 6A
- Oklop: U-FTP, parovi u metalnoj foliji
- CPR: Eca
- Duljina: 100 m
- Boja: svijetlo plavi
- Kapica: LSOH
- Struktura: 4 x 2 AWG 23/1, kruto upletena parica

Logistics						
	Number (pcs)	Weight (kg)	Depth (cm)	Width (cm)	Height (cm)	cm³
Packaging Unit Carton	1	4.50	33.00	32.00	11.00	11.62
Packaging Unit Inside	1	4.50	33.00	32.00	11.00	11.62
Packaging Unit Single	1	4.50	33.00	32.00	11.00	11.62
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°/75°  
LSZH  
Eca  
Cat 6a class

**CAT 6a U/FTP Installation Cable, 100m, Simplex, Eca**

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DK-1623-A-VH-1 // CAT 6, U/FTP Installation Cable, 100m, Simplex, Eca

Anwendungsbeispiel  
Example of use

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Kabelquerschnitt  
Cable cross section

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Produktdatenblatt / Product Information	Physikalische Spezifikationen / Physical Properties
<b>Herstellername / Manufacturer:</b> Digitus (China) Limited, 10/F, No. 100, Zhongyuan Road, Shenzhen, Guangdong, P.R. China	<b>Typ:</b> CAT 6a U/FTP Installation Cable, 100m, Simplex, Eca
<b>Teilenummer / Part Number:</b> DK-1623-A-VH-1	<b>Material:</b> PVC
<b>Material:</b> PVC	<b>Standard:</b> IEC 60332-1, IEC 60332-3, IEC 60332-5, IEC 60332-6, IEC 60332-7, IEC 60332-8, IEC 60332-9, IEC 60332-10, IEC 60332-11, IEC 60332-12, IEC 60332-13, IEC 60332-14, IEC 60332-15, IEC 60332-16, IEC 60332-17, IEC 60332-18, IEC 60332-19, IEC 60332-20, IEC 60332-21, IEC 60332-22, IEC 60332-23, IEC 60332-24, IEC 60332-25, IEC 60332-26, IEC 60332-27, IEC 60332-28, IEC 60332-29, IEC 60332-30, IEC 60332-31, IEC 60332-32, IEC 60332-33, IEC 60332-34, IEC 60332-35, IEC 60332-36, IEC 60332-37, IEC 60332-38, IEC 60332-39, IEC 60332-40, IEC 60332-41, IEC 60332-42, IEC 60332-43, IEC 60332-44, IEC 60332-45, IEC 60332-46, IEC 60332-47, IEC 60332-48, IEC 60332-49, IEC 60332-50, IEC 60332-51, IEC 60332-52, IEC 60332-53, IEC 60332-54, IEC 60332-55, IEC 60332-56, IEC 60332-57, IEC 60332-58, IEC 60332-59, IEC 60332-60, IEC 60332-61, IEC 60332-62, IEC 60332-63, IEC 60332-64, IEC 60332-65, IEC 60332-66, IEC 60332-67, IEC 60332-68, IEC 60332-69, IEC 60332-70, IEC 60332-71, IEC 60332-72, IEC 60332-73, IEC 60332-74, IEC 60332-75, IEC 60332-76, IEC 60332-77, IEC 60332-78, IEC 60332-79, IEC 60332-80, IEC 60332-81, IEC 60332-82, IEC 60332-83, IEC 60332-84, IEC 60332-85, IEC 60332-86, IEC 60332-87, IEC 60332-88, IEC 60332-89, IEC 60332-90, IEC 60332-91, IEC 60332-92, IEC 60332-93, IEC 60332-94, IEC 60332-95, IEC 60332-96, IEC 60332-97, IEC 60332-98, IEC 60332-99, IEC 60332-100

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Leitungsgruppencharakteristiken / Transmission Properties

Typ	AWG	NCAT	PL-NCAT	AWG	PL-AWG	DL	SLKAT	PL-SLKAT
1	23	40	40	23	40	40	40	40
2	23	40	40	23	40	40	40	40
3	23	40	40	23	40	40	40	40
4	23	40	40	23	40	40	40	40
5	23	40	40	23	40	40	40	40
6	23	40	40	23	40	40	40	40
7	23	40	40	23	40	40	40	40
8	23	40	40	23	40	40	40	40
9	23	40	40	23	40	40	40	40
10	23	40	40	23	40	40	40	40

**Intertek**

ETL Verified Certificate of Conformance Number: 194229903P-001

Product Description: CAT 6a U/FTP Installation Cable, 100m, Simplex, Eca

Approved by: Intertek

**GHMT**

Certificate No. 194229903P-001

Zertifikat No. 194229903P-001

Category 6a

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EN 50575	Brandenrisiko	Lebensdauer (typischerweise)	Anforderungen an die Verkabelung	Zusätzliche Anforderungen
B2ca	Sehr hoch	1+	• Typischerweise • 100% Abschirmung • 100% Abschirmung	s
Cca	Hoch	2+	• Typischerweise • 100% Abschirmung • 100% Abschirmung	d
Dca	Mittel	3	• Typischerweise • 100% Abschirmung	a
Eca	Gering	4	• Typischerweise • 100% Abschirmung	a



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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