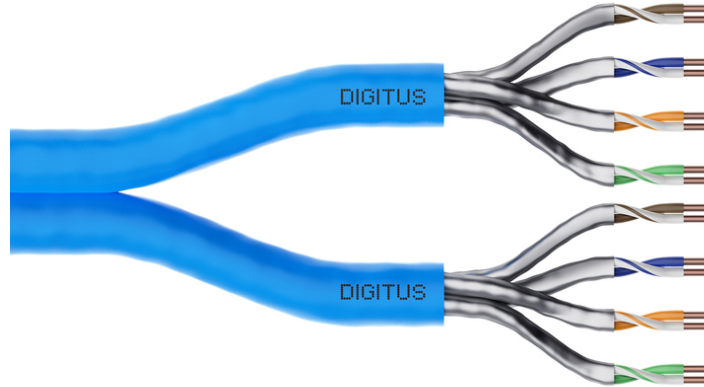


# DIGITUS® CAT 6A U/FTP installation cable, 100 m, duplex, Eca

DK-1623-A-VH-D-1  
EAN 4016032456544



## CAT 6A U-FTP installation cable, 500 MHz Eca (EN 50575), AWG 23/1, 100 m, drum, dx, 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

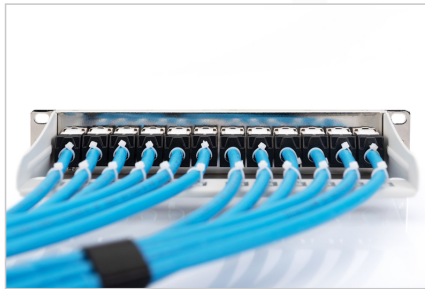
- Installation temperature range: 0 °C up to +50 °C
- Overall diameter Simplex (nominal): 7.0 (Eca); 7,2 mm (Dca); 7,6 mm (Cca); 7,6 mm (B2ca)
- Weight (kg/km): 56 kg (Eca); 57 kg (Dca); 58 kg (Cca); 58 kg (B2ca)
- Electrical properties:
- Impedance: 100±15 Ohm @ 4 - 100MHz; 100±25 Ohm @100-500 MHz
- 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

- Assortment: Twisted Pair Installation Cables
- Category: CAT 6A
- Shielding: U-FTP, pairs in metal foil
- CPR: Eca
- Length: 100 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	20	257.00	120.00	82.00	82.00	806,880.00
Packaging Unit Inside	1	12.85	0.00	0.00	0.00	0.00
Packaging Unit Single	1	12.85	0.00	0.00	0.00	0.00
Net single without Packaging	0	0.00	0.00	0.00	0.00	0.00

More images:



**DIGITUS**

AWG 23/1  
500 MHz  
10 Gbit Ethernet  
20°/75°  
LSZH  
Eca  
Cat 6a class

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

**DIGITUS**

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

Anwendungsbeispiel  
Example of use

**DIGITUS**

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

Kabelquerschnitt  
Cable cross section

**DIGITUS**

Produktdaten / Product Information	Physikalische Spezifikationen / Physical Properties
<b>Bestellnummer / Order Number:</b> DK-1623-A-VH-1	<b>Typ / Type:</b> CAT 6a U/FTP Installation Cable
<b>Produktbeschreibung / Product Description:</b> CAT 6a U/FTP Installation Cable, 100m, Simplex, Eca	<b>Material / Material:</b> Polyethylene (PE) Jacket, Copper Conductors
<b>Abmessungen / Dimensions:</b> 100m length, 23 AWG conductors	<b>Leistungsfähigkeit / Performance:</b> 500 MHz bandwidth, 10 Gbit Ethernet
<b>Umweltbedingungen / Environmental Conditions:</b> -20°C to 75°C, LSZH	<b>Abdichtung / Shielding:</b> Foil Shielding, Drain Wire
<b>Zusätzliche Informationen / Additional Information:</b> Eca class, Cat 6a	<b>Montagehinweise / Installation Notes:</b> See datasheet for details

**DIGITUS**

Leistungseigenschaften / Performance Characteristics

Parameter	Value	Parameter	Value
Impedance	100 Ω	Attenuation	20.0 dB/100m
Return Loss	> 15 dB	Propagation Delay	5.0 ns/100m
Shielding Effectiveness	> 80 dB	Capacitance	40 pF/100m
Conductivity	> 100 MS/m	Inductance	1.0 μH/100m

**Intertek**

ETL Verified Certificate of Conformance Number: 194229903P-011

Model: CAT 6a U/FTP Installation Cable

Quantity: 100m

Approved: [Signature]

**GHMT**

Certificate No. 194229903P-011

Category 6a

**Zertifikat**

Kategorie 6a

GHMT Type Approval

**DIGITUS**

**DIGITUS**

Category	Performance	Shielding	Drain Wire
B2ca	Super hoch	1+	+
Cca	Hoch	1	+
Dca	Mittel	3	+
Eca	Gering	1	+



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.

ASSMANN Electronic GmbH  
Auf dem Schüffel 3  
Lüdenscheid, Germany  
<https://www.assmann.com>  
[info@assmann.com](mailto:info@assmann.com)