

# DIGITUS® CAT 6 F/UTP installation cable, 100 m, simplex, Eca

DK-1623-VH-1

EAN 4016032344056



## CAT 6 F-UTP installation cable, 250 MHz Eca (EN 50575), AWG 23/1, 100 m paper box, sx, pu

The Digitus Cat 6 F/UTP installation cable is designed for use in the structured data center and the building cabling according to ISO/IEC 11801, DIN EN 50288-5-1, DIN EN 50173, IEC 60332-1. The cable is perfectly suitable for the transmission of both analog and digital data and also supports POE and POE+.

### 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
- Insulation: HD-PE (High Density Polyethylene)
- Total number of insulated conductors: 8, twisted in 4 pairs
- Color code: Blue-white, orange-white, green-white, brown-white
- Individual pair shield: None
- Overall shielding: Aluminum foil, providing 100% coverage, drain wire
- Outer sheath: Eca to B2ca acc. to EN 50575; LSZH
- Outer sheath diameter (nominal): 0.5 mm (Eca); 0,6 mm (Dca); 0,8 mm (Cca); 0,08 mm (B2ca)
- Outer sheath color: Purple
- 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): 46 kg (Eca); 47 kg (Dca); 48,5 kg (Cca); 48,5 kg (B2ca)
- Electrical properties:
- Impedance: 100±5 Ohm @ 1-250 MHz
- Capacitance: 45 pF/m nominal @ 800 Hz
- Capacitance unbalance (pair-ground): 1.5 pF/m max. @ 1 KHz
- Insulation resistance: 5 GOhm x km min.
- DC loop resistance: 147 Ohm/km max. (2% max. resistance unbalance)
- Voltage resistance: 72 Vdc max.
- Coupling attenuation: 40 dB
- Signal propagation delay: 535 nS/100 m max.
- Propagation delay: 20 nS/100 m max.
- Separating class: „c” acc. to EN 50174-2
- NVP: 69%

### Attributes

- Assortment: Twisted Pair Installation Cables
- Category: CAT 6
- Shielding: F-UTP, foil shielding
- CPR: Eca
- Length: 100 m
- Color: violet
- 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	2	13.20	34.00	35.00	23.00	27,370.00
Packaging Unit Inside	1	6.60	33.00	34.00	11.00	12,342.00
Packaging Unit Single	1	6.60	33.00	33.00	12.00	13,068.00
Net single without Packaging	1	5.14	0.00	0.00	0.00	0.00

More images:



**DIGITUS**

**Cat System**  
 Cat System: B2cat, C6a, Dcat, Ecat  
 Cat System: s1a, d1, a1  
 Cat System: 1+, 3

**Leistungsmerkmale (Power Features)**  
 • 1+ Leistungsmerkmale (Power Features)  
 • 3+ Leistungsmerkmale (Power Features)

**Erweiterung des cat Systems (Extension of the cat System)**  
 • Erweiterung des cat Systems (Extension of the cat System)  
 • Erweiterung des cat Systems (Extension of the cat System)

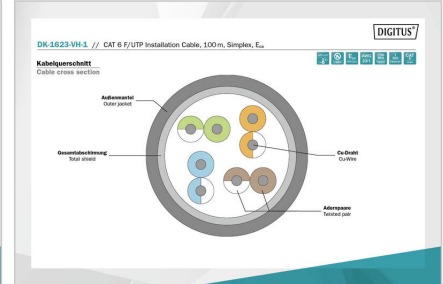
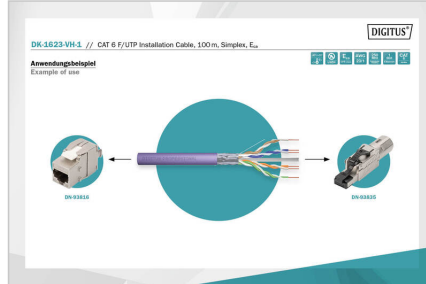
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**DIGITUS**

AWG 23/1  
 250 MHz  
 1 Gbit Ethernet  
 20+/75°  
 LSZH  
 E<sub>ca</sub> CPRI class

**CAT 6 F/UTP Installation Cable, 100 m, Simplex, E<sub>ca</sub>**



**DIGITUS**

Produktinformationen / Product Information	Physikalische Spezifikationen / Physical Properties
<b>Produktname:</b> CAT 6 F/UTP Installation Cable, 100 m, Simplex, E <sub>ca</sub> <b>Teilenummer:</b> DK-1623-VH-1 <b>Material:</b> PVC, LSZH	<b>AWG:</b> 23/1 <b>Bandbreite:</b> 250 MHz <b>Übertragungsraten:</b> 1 Gbit Ethernet <b>Temperaturbereich:</b> 20+/75° <b>Material:</b> LSZH <b>CPRI class:</b> E <sub>ca</sub>
<b>Technische Spezifikationen / Technical Specifications</b> <b>Leistungsfähigkeit / Performance:</b> CAT 6 F/UTP Installation Cable, 100 m, Simplex, E <sub>ca</sub>	<b>Mechanische Eigenschaften / Mechanical Properties</b> CAT 6 F/UTP Installation Cable, 100 m, Simplex, E <sub>ca</sub>

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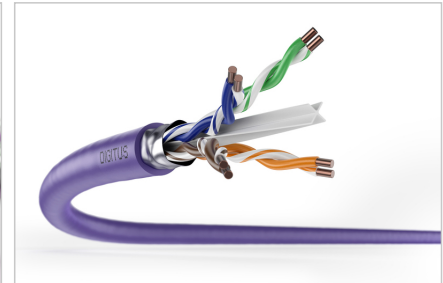
Leistungsmerkmale / Performance Properties

Standard	AWG	Pair	Pair	Pair	Pair	Pair	Pair	Pair	Pair
1000	23	23	23	23	23	23	23	23	23
100	23	23	23	23	23	23	23	23	23
10	23	23	23	23	23	23	23	23	23
1	23	23	23	23	23	23	23	23	23

**Intertek**

ETL Verified Certificate of Conformance Number: 1615281007-010

Intertek  
 1615281007-010  
 CAT 6 F/UTP Installation Cable, 100 m, Simplex, E<sub>ca</sub>



**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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