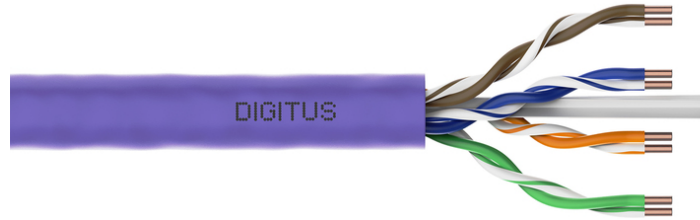


# DIGITUS® CAT 6 U/UTP installation cable, 100 m, simplex, Eca

DK-1613-VH-1

EAN 4016032343653



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

The Digitus Cat 6 U/UTP installation cable is designed for use in the structured data center and the building cabling according to ISO/IEC 11801, DIN EN 50288-6-1, DIN EN 50173, IEC 60332-1. The cable is perfectly suitable for the transmission of both analog and digital data and also supports POE. The shielding structure is composed of single shielded pairs with a tinned copper braid, which ensures excellent shielding and electrical values.

#### 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: None
- Outer sheath: Eca to B2ca acc. to EN 50575; LSZH
- Outer sheath diameter (nominal): 0,5 mm (Eca); 0,6 mm (Dca); 1,0 mm (Cca); 1,0 mm (B2ca)
- Outer sheath color: Purple (RAL 4005)
- 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

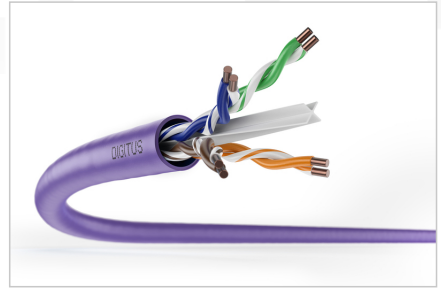
- Operating temperature range: -20 °C up to +75 °C
- Installation temperature range: 0 °C up to +50 °C
- Overall diameter Simplex (nominal): 6,1 mm (Eca); 6,3 mm (Dca); 6,8 mm (Cca); 6,8 mm (B2ca)
- Weight (kg/km): 41 kg (Eca); 42 kg (Dca); 44 kg (Cca); 44 kg (B2ca)
- Electrical properties:
- Impedance: 100±5Ohm @ 1 - 250MHz
- Capacitance: 40 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: CA-Type 3
- Signal propagation delay: 535 nS/100 m max.
- Propagation delay: 20 nS/100 m max.
- Separating class: „b“ gem. EN 50174-2
- NVP: 69%

#### Attributes

- Assortment: Twisted Pair Installation Cables
- Category: CAT 6
- Shielding: U-UTP, unshielded
- 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)	cm³
Packaging Unit Carton	1	4.00	31.00	30.50	12.00	11.35
Packaging Unit Inside	1	4.00	10.00	28.00	28.00	7.84
Packaging Unit Single	1	4.00	10.00	28.00	28.00	7.84
Net single without Packaging	0	0.00	0.00	0.00	0.00	0.00

More images:



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AWG 23/1  
250 MHz  
1 Gbit Ethernet  
CAT 6  
20°/75°  
LSZH  
E<sub>ca</sub> CPRI class

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

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Anwendungsbeispiel  
Example of use

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Kabelquerschnitt  
Cable cross section

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Produktdaten/Produkt Information	Physikalische Spezifikationen/Physical Properties
<b>Produktname:</b> CAT 6 U/UTP Installation Cable, 100m, Simplex, E <sub>ca</sub>	<b>Standard:</b> EN 50384-1-100, EN 50384-1-100, EN 50384-1-100, EN 50384-1-100
<b>Produktbeschreibung:</b> CAT 6 U/UTP Installation Cable, 100m, Simplex, E <sub>ca</sub>	<b>Material:</b> Polyethylene (PE), Polypropylene (PP), Polyethylene Glycol (PEG)
<b>Technische Eigenschaften/Technical Properties:</b>	<b>Mechanische Eigenschaften/Mechanical Properties:</b>
<b>Leistungseigenschaften/Performance Characteristics:</b>	<b>Elektrische Eigenschaften/Electrical Properties:</b>
<b>Umweltbedingungen/Environmental Conditions:</b>	<b>Abmessungen/Dimensions:</b>
<b>Zusätzliche Informationen/Additional Information:</b>	<b>Verpackung/Packaging:</b>

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Leistungseigenschaften/Performance Characteristics

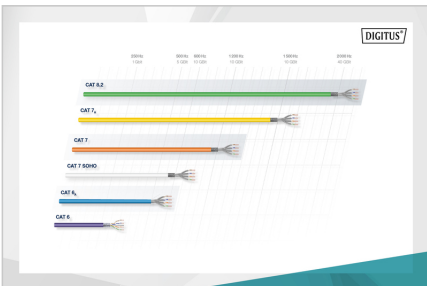
Parameter	Unit	Value
Attenuation	dB/100m	20.0
Return Loss	dB	15.0
Insertion Loss	dB	1.0
Reflection Coefficient	dB	15.0
Shielding Effectiveness	dB	100.0

**Certificate**  
No. 151614-1-1-16

**Zertifikat**  
No. 151614-1-1-16

Class E

GHMT



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CE Marking

CE Marking Legend:

- B2**: Safety
- C<sub>ca</sub>**: EMC
- D<sub>ca</sub>**: Mechanical
- E<sub>ca</sub>**: Emission

Additional Markings: s1a, d1, a1



**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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