

# DIGITUS Cat.6 U/UTP installation cable, 305 m, simplex, Cca-s1a,d0,a1

DK-1615-VH-305  
EAN 4016032435792



## CAT 6 U-UTP installation cable, 250 MHz Cca (EN 50575), AWG 23/1, 305m 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 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: 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±50Ωm @ 1 - 250MHz
- Capacitance: 40 pF/m nominal @ 800 Hz
- Capacitance unbalance (pair-ground): 1.5 pF/m max. @ 1 KHz
- Insulation resistance: 5 GΩm x km min.
- DC loop resistance: 147 Ωm/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“ acc. to EN 50174-2
- NVP: 69%
- Category: CAT 6
- Shielding: U-UTP, unshielded
- CPR: Cca
- Length: 305 m
- Length: 305 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        | 1            | 14.60       | 42.00      | 26.50      | 40.00       | 44,520.00       |
| Packaging Unit Inside        | 1            | 14.60       | 0.00       | 0.00       | 0.00        | 0.00            |
| Packaging Unit Single        | 1            | 14.60       | 42.00      | 26.50      | 40.00       | 44,520.00       |
| Net single without Packaging | 1            | 0.00        | 0.00       | 0.00       | 0.00        | 0.00            |

More images:



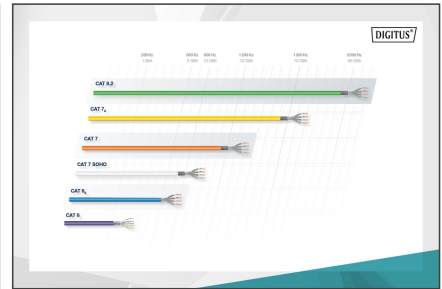
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**CPR-Symbole**  
 B2cat: Higher loads  
 C<sub>ca</sub>: More  
 D<sub>ca</sub>: More  
 E<sub>ca</sub>: More  
 C<sub>ca</sub>, s1a, d1, a1

**Leistungseigenschaften (Power)**  
 1+  
 3

**Adaptation der verschiedenen Medien**  
 • Kompatibilität  
 • Kompatibilität  
 • Kompatibilität  
 • Kompatibilität

**Zusätzliche Eigenschaften**  
 • Kompatibilität  
 • Kompatibilität  
 • Kompatibilität  
 • Kompatibilität



**Certificate**  
 No. 25747-12-0  
 Class E

**Zertifikat**  
 No. 25747-12-0  
 Klasse E

**GHMT**

**GHMT Type Approval**

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**Leistungseigenschaften (Power)**

| Power | Power | Power | Power | Power | Power | Power | Power | Power | Power |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 10    | 10    | 10    | 10    | 10    | 10    | 10    | 10    | 10    | 10    |
| 20    | 20    | 20    | 20    | 20    | 20    | 20    | 20    | 20    | 20    |
| 30    | 30    | 30    | 30    | 30    | 30    | 30    | 30    | 30    | 30    |
| 40    | 40    | 40    | 40    | 40    | 40    | 40    | 40    | 40    | 40    |
| 50    | 50    | 50    | 50    | 50    | 50    | 50    | 50    | 50    | 50    |
| 60    | 60    | 60    | 60    | 60    | 60    | 60    | 60    | 60    | 60    |
| 70    | 70    | 70    | 70    | 70    | 70    | 70    | 70    | 70    | 70    |
| 80    | 80    | 80    | 80    | 80    | 80    | 80    | 80    | 80    | 80    |
| 90    | 90    | 90    | 90    | 90    | 90    | 90    | 90    | 90    | 90    |
| 100   | 100   | 100   | 100   | 100   | 100   | 100   | 100   | 100   | 100   |

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**Produktinformation Product Information**

**Physikalische Spezifikationen Physical Properties**

**Elektrische Eigenschaften Electrical Properties**

**Mechanische Eigenschaften Mechanical Properties**

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**Kabelquerschnitt**  
 Cable cross section

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**Anwendungshilfen**  
 Example of use

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**CAT 6 U/UTP Installation Cable, 305m, Simplex, C<sub>ca</sub>**

**AWG 23/1**  
**250 MHz**  
**1 Cat Ethernet**  
**CAT 6**  
**C<sub>ca</sub>**  
**LSZH**  
**CPR class**

