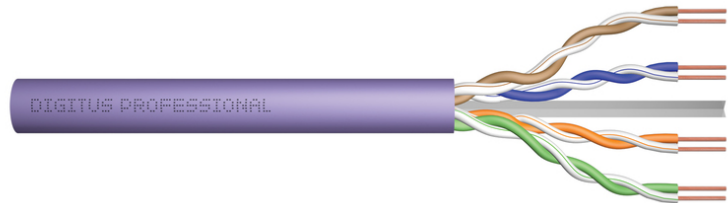


# Digitus® CAT 6 U/UTP data cable - installation cable, 100 m, simplex, Dca-s2,d2,a1

DK-1614-VH-1

EAN 4016032442134



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

The Digitus Cat 6 U/UTP installation cable is designed for use in structured data centers and building cabling in accordance with ISO/IEC 11801, DIN EN 50288-6-1, DIN EN 50173, IEC 60332-1. The cable is ideal for the transmission of analog and digital data and supports POE and POE+.

### Future-oriented standards and high-end quality for your network.

- Physical properties:
- Conductor: Bare copper wire, AWG 23/1
- System(s) for the assessment and verification of constancy of performance: System 3
- Insulation: HD-PE (High Density Polyethylene)
- Total number of insulated conductors: 8, twisted into 4 pairs
- Color code: Blue-white, orange-white, green-white, brown-white
- Shielding of the individual pairs: None
- Overall shielding: none
- Outer sheath: Eca to B2ca in accordance with EN 50575; LSZH
- Outer sheath thickness nominal): 0.5 mm (Eca); 0.6 mm (Dca); 1.0 mm (Cca); 1.0 mm (B2ca)
- Outer casing color: Violet (RAL 4005)
- Mechanical properties:
- Strain relief: 150N max.
- Dynamic bending radius: 8x AD mm min.
- Static bending radius: 4x AD mm min.
- Transport and storage temperature range: -20 °C to +60 °C

- Operating temperature range: -20 °C to +75 °C
- Installation temperature range: 0 °C to +50 °C
- Outer 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-earth): 1.5 pF/m max. @ 1 KHz
- Insulation resistance: 5 GOhm x km min.
- Loop resistance 147 Ohm/km max. (2% max. unbalanced resistance)
- Operating voltage 72 Vdc max.
- Coupling attenuation: CA-Type 3
- Phase delay: 535 nS/100 m max.
- Time delay 20 nS/100 m max.
- Isolation class: "b" according to EN 50174-2
- NVP: 69%

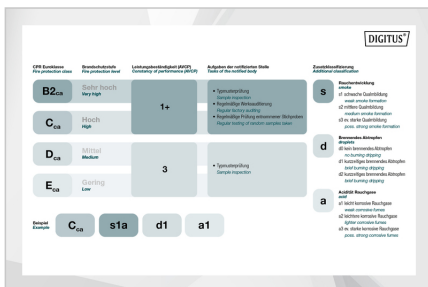
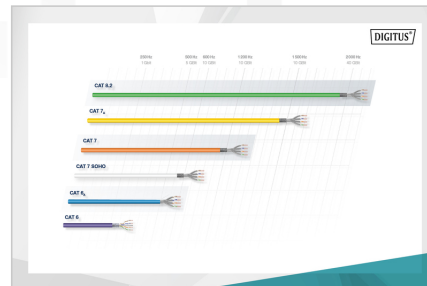
### Attributes

- Assortment: Twisted Pair Installation Cables
- Category: CAT 6
- Shielding: U-UTP, unshielded
- CPR: Dca
- 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            | 4.50        | 33.00      | 33.00      | 12.00       | 13,068.00 |
| Packaging Unit Inside        | 1            | 4.50        | 0.00       | 0.00       | 0.00        | 0.00      |
| Packaging Unit Single        | 1            | 4.50        | 33.00      | 33.00      | 12.00       | 13,068.00 |
| Net single without Packaging | 1            | 0.00        | 0.00       | 0.00       | 0.00        | 0.00      |

## More images:

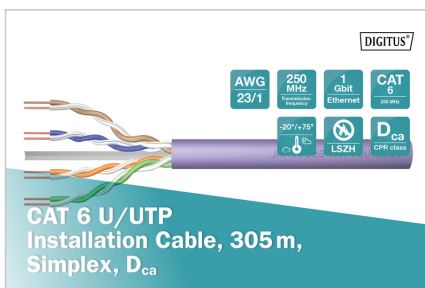
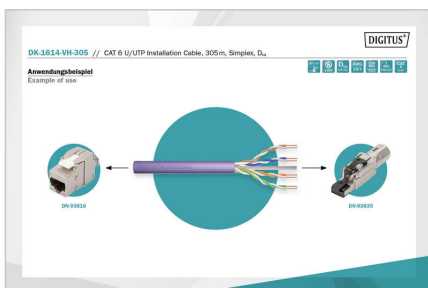
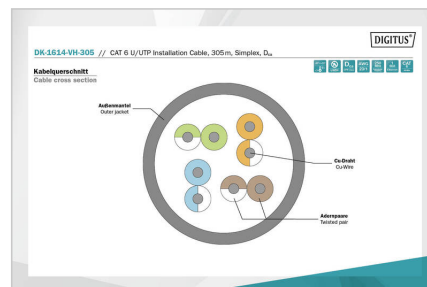


**Leistungsparameter Transmission Properties**

| MHz  | ATT   | MEET  | PRE-MEET | ACH   | PL-ACH | PL    | PL-BEST | PRE-BEST |
|------|-------|-------|----------|-------|--------|-------|---------|----------|
| 1    | -0.5  | -0.5  | -0.5     | -0.5  | -0.5   | -0.5  | -0.5    | -0.5     |
| 10   | -1.0  | -1.0  | -1.0     | -1.0  | -1.0   | -1.0  | -1.0    | -1.0     |
| 30   | -1.5  | -1.5  | -1.5     | -1.5  | -1.5   | -1.5  | -1.5    | -1.5     |
| 60   | -2.0  | -2.0  | -2.0     | -2.0  | -2.0   | -2.0  | -2.0    | -2.0     |
| 100  | -2.5  | -2.5  | -2.5     | -2.5  | -2.5   | -2.5  | -2.5    | -2.5     |
| 150  | -3.0  | -3.0  | -3.0     | -3.0  | -3.0   | -3.0  | -3.0    | -3.0     |
| 200  | -3.5  | -3.5  | -3.5     | -3.5  | -3.5   | -3.5  | -3.5    | -3.5     |
| 250  | -4.0  | -4.0  | -4.0     | -4.0  | -4.0   | -4.0  | -4.0    | -4.0     |
| 300  | -4.5  | -4.5  | -4.5     | -4.5  | -4.5   | -4.5  | -4.5    | -4.5     |
| 350  | -5.0  | -5.0  | -5.0     | -5.0  | -5.0   | -5.0  | -5.0    | -5.0     |
| 400  | -5.5  | -5.5  | -5.5     | -5.5  | -5.5   | -5.5  | -5.5    | -5.5     |
| 450  | -6.0  | -6.0  | -6.0     | -6.0  | -6.0   | -6.0  | -6.0    | -6.0     |
| 500  | -6.5  | -6.5  | -6.5     | -6.5  | -6.5   | -6.5  | -6.5    | -6.5     |
| 550  | -7.0  | -7.0  | -7.0     | -7.0  | -7.0   | -7.0  | -7.0    | -7.0     |
| 600  | -7.5  | -7.5  | -7.5     | -7.5  | -7.5   | -7.5  | -7.5    | -7.5     |
| 650  | -8.0  | -8.0  | -8.0     | -8.0  | -8.0   | -8.0  | -8.0    | -8.0     |
| 700  | -8.5  | -8.5  | -8.5     | -8.5  | -8.5   | -8.5  | -8.5    | -8.5     |
| 750  | -9.0  | -9.0  | -9.0     | -9.0  | -9.0   | -9.0  | -9.0    | -9.0     |
| 800  | -9.5  | -9.5  | -9.5     | -9.5  | -9.5   | -9.5  | -9.5    | -9.5     |
| 850  | -10.0 | -10.0 | -10.0    | -10.0 | -10.0  | -10.0 | -10.0   | -10.0    |
| 900  | -10.5 | -10.5 | -10.5    | -10.5 | -10.5  | -10.5 | -10.5   | -10.5    |
| 950  | -11.0 | -11.0 | -11.0    | -11.0 | -11.0  | -11.0 | -11.0   | -11.0    |
| 1000 | -11.5 | -11.5 | -11.5    | -11.5 | -11.5  | -11.5 | -11.5   | -11.5    |

**Produktdaten Product Information**

| Parameter          | Value                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Part Number        | DK-1614-VH-305                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Part Name          | 305m Cat 6 U/UTP Installation Cable                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Part Description   | 305m Cat 6 U/UTP Installation Cable, 305m, Simplex, D <sub>ca</sub>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Part Weight        | 1.5kg                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Part Length        | 305m                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Part Material      | PVC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Part Color         | Blue                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Part Finish        | Smooth                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Part Certification | CE, RoHS, REACH                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Part Compliance    | EN 50173-1, EN 50173-2, EN 50173-3, EN 50173-4, EN 50173-5, EN 50173-6, EN 50173-7, EN 50173-8, EN 50173-9, EN 50173-10, EN 50173-11, EN 50173-12, EN 50173-13, EN 50173-14, EN 50173-15, EN 50173-16, EN 50173-17, EN 50173-18, EN 50173-19, EN 50173-20, EN 50173-21, EN 50173-22, EN 50173-23, EN 50173-24, EN 50173-25, EN 50173-26, EN 50173-27, EN 50173-28, EN 50173-29, EN 50173-30, EN 50173-31, EN 50173-32, EN 50173-33, EN 50173-34, EN 50173-35, EN 50173-36, EN 50173-37, EN 50173-38, EN 50173-39, EN 50173-40, EN 50173-41, EN 50173-42, EN 50173-43, EN 50173-44, EN 50173-45, EN 50173-46, EN 50173-47, EN 50173-48, EN 50173-49, EN 50173-50, EN 50173-51, EN 50173-52, EN 50173-53, EN 50173-54, EN 50173-55, EN 50173-56, EN 50173-57, EN 50173-58, EN 50173-59, EN 50173-60, EN 50173-61, EN 50173-62, EN 50173-63, EN 50173-64, EN 50173-65, EN 50173-66, EN 50173-67, EN 50173-68, EN 50173-69, EN 50173-70, EN 50173-71, EN 50173-72, EN 50173-73, EN 50173-74, EN 50173-75, EN 50173-76, EN 50173-77, EN 50173-78, EN 50173-79, EN 50173-80, EN 50173-81, EN 50173-82, EN 50173-83, EN 50173-84, EN 50173-85, EN 50173-86, EN 50173-87, EN 50173-88, EN 50173-89, EN 50173-90, EN 50173-91, EN 50173-92, EN 50173-93, EN 50173-94, EN 50173-95, EN 50173-96, EN 50173-97, EN 50173-98, EN 50173-99, EN 50173-100 |



## 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)