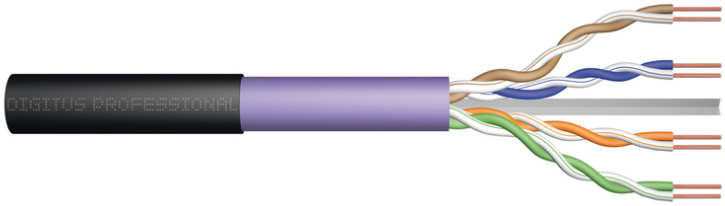
# DIGITUS® CAT 6 U/UTP data cable - underground cable, 500 m, simplex, PE

**DK-1613-VH-5-OD**

**EAN 4016032446163**




**CAT 6 U-UTP outdoor installation cable, 250 MHz inner Eca (LSZH-1), AWG 23/1, 500m drum, sx, bl/pu**

DIGITUS Category 6 U-UTP installation cables have been developed and tested according to ISO/IEC 11801, DIN EN 50173 and DIN EN 50288-5-1 Category 6 specifications. Each cable consists of 8 color-coded AWG 23 polyethylene insulated conductors. The conductors are twisted into 4 pairs of varying lengths. Imprint details on the outer jacket include the brand name, part number and cable length 0 - 350 meters. The cable is packaged in a cardboard pull-out box for ease of installation.

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

- Physical properties:
- Conductor: Bare copper wire, AWG 23/1
- 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 acc. to EN 50575; LSZH
- Outer sheath thickness (nominal): 0.5 mm (Eca)
- Outer sheath color: violet (Eca sheath); black (PE sheath)
- 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 (nominal): 6.8 mm (Eca)
- Weight (kg/km): 48 kg (Eca)
- Impedance: 100 ± 5 Ohm @ 1-250 MHz
- Capacitance: 40 pF/m nominal @ 800 MHz
- Capacitance unbalance (pair-earth): 1.5 pF/m max. @ 1 KHz
- Insulation resistance: 5 GOhm x km min.
- DC resistance: 72 Ohm/km max. (2% max. unbalanced resistance)
- 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**

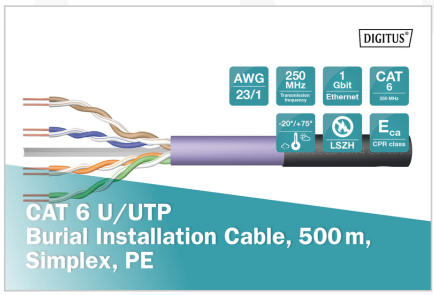
- Assortment: Twisted Pair Installation Cables
- Category: CAT 6
- Shielding: U-UTP, unshielded
- CPR: Eca
- Length: 500 m
- Color: violet
- Jacket: LSOH
- Structure: 4 x 2 AWG 23/1, solid twisted pair

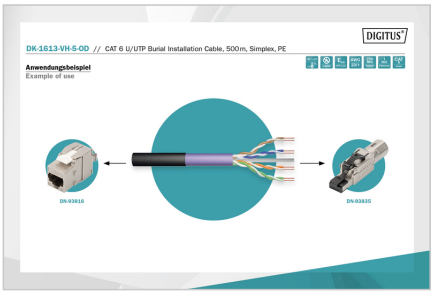
**Logistics**

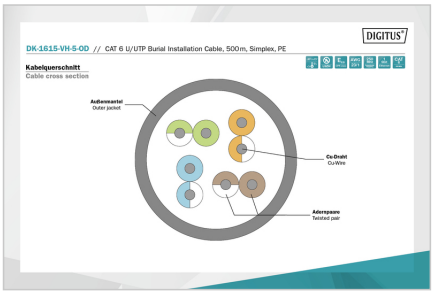
| | Number (pcs) | Weight (kg) | Depth (cm) | Width (cm) | Height (cm) | cm³ |
|---|---|---|---|---|---|---|
| **Packaging Unit Carton** | 1 | 30.90 | 50.00 | 50.00 | 24.00 | 60,000.00 |
| **Packaging Unit Inside** | 1 | 30.90 | 50.00 | 50.00 | 24.00 | 60,000.00 |
| **Packaging Unit Single** | 1 | 30.90 | 50.00 | 50.00 | 24.00 | 60,000.00 |
| **Net single without Packaging** | 1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

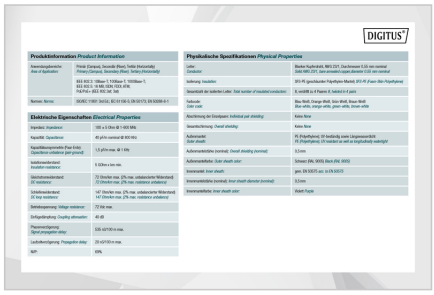

Druckfehler, Irrtümer und technische Änderungen sind vorbehalten. | Printing errors, falsities and technical changes remain reserved.

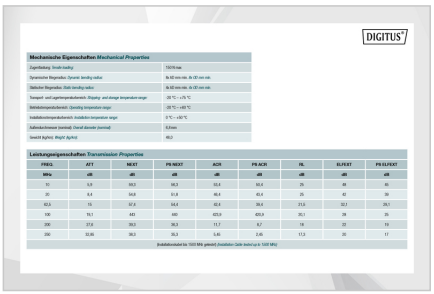
**More images:**

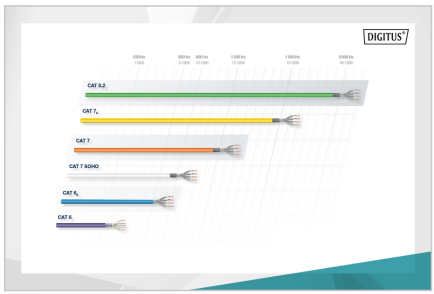


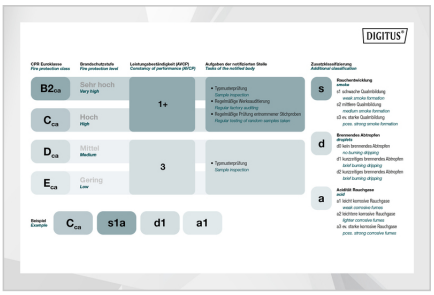






## Safety notes

- 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.
- For indoor cables (LSZH jacket): Suitable only for installation in dry indoor environments.
- 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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