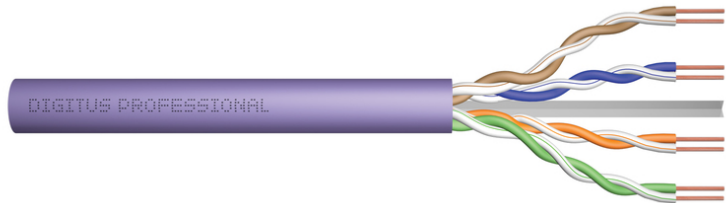


# DIGITUS Professional CAT 6 U-UTP Twisted Pair Installation Cable

DK-1613-VH-305  
EAN 4016032324553



## CAT 6 U-UTP installation cable, 250 MHz Eca (EN 50575), AWG 23/1, 305 m paper box, simplex, color purple

DIGITUS® Category 6 U-UTP installation cables are manufactured and tested to the ISO/IEC 11801, DIN EN 50173 and DIN EN 50288-5-1 Category 6 specifications. Every cord consists of 8 color coded AWG 23 polyethylene insulated conductors. The conductors are twisted together to form 4 pairs with varying lay lengths. Printing details along the outer sheath includes the brand name, item code and cable length 0 - 305 meter. The cable is packed in a paper pullout box which makes the installation easy.

### Best performance and link quality for your network.

- Physical properties:
- Basic conductor: Solid AWG 23/1, bare annealed copper, diameter 0.57 mm nominal
- Insulation: HD-PE
- 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 jacket: Halogen-free (FRNC-B/LSZH-1)
- Outer jacket diameter: 0.50 mm nominal
- 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: 6.2 mm nominal
- Flame retardancy: IEC 60332-1
- Halogen-free & smoke-proof: IEC 60754-2 & IEC 61034
- Fire load: 320 Mj/km

- Electrical properties:
- Mean impedance: 100±50Ωm at 1MHz - 600MHz
- Capacitance: 48 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: 40 dB
- Signal propagation delay: 535 nS/100 m max.
- Propagation delay: 20 nS/100 m max.
- NVP: 69%
- Conductor material: Cu, bare
- Diameter conductor: 0.55 mm
- Diameter conductor: 0.55 mm
- Nominal cross section conductor: 0.2582 mm<sup>2</sup>
- AWG-size: 23
- Conductor category: Class 1 = solid
- Number of cores: 1
- Stranding element: Pairs
- Core insulation: PE (polyethylene)
- Core identification: Colour
- Screen over stranding element: None
- Screen over stranding: None
- Material outer sheath: Polyolefin
- Colour outer sheath: Other
- Halogen free (acc. EN 60754-1/2): yes
- Flame retardant: In accordance with EN 60332-1-2
- Low smoke (acc. EN 61034-2): yes
- Outer diameter approx.: 6.2 mm
- Permitted cable outer temperature, in movement: -20 °C ... 60 °C
- Permitted cable outer temperature, fixed: -20 °C ... 75 °C
- Category: 6
- NVP value: 69 %

| Logistics                    |              |             |            |            |             |                 |
|------------------------------|--------------|-------------|------------|------------|-------------|-----------------|
|                              | Number (pcs) | Weight (kg) | Depth (cm) | Width (cm) | Height (cm) | cm <sup>3</sup> |
| Packaging Unit Carton        | 1            | 12.30       | 45.00      | 44.50      | 12.30       | 24,630.80       |
| Packaging Unit Inside        | 1            | 12.30       | 45.00      | 44.50      | 25.00       | 50,062.50       |
| Packaging Unit Single        | 1            | 12.30       | 45.00      | 44.50      | 25.00       | 50,062.50       |
| Net single without Packaging | 1            | 0.00        | 0.00       | 0.00       | 0.00        | 0.00            |