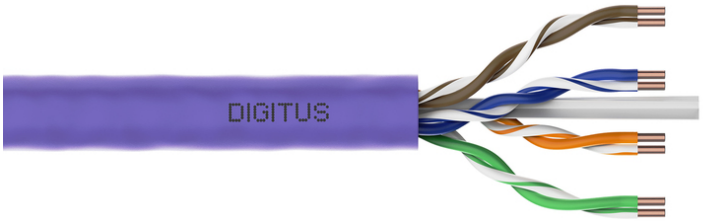
# DIGITUS® CAT 6 U/UTP Data Cable - Installation Cable, 500 m, Simplex, Dca

**DK-1614-VH-5**

**EAN 4016032442141**




**CAT 6 U-UTP installation cable, 250 MHz Dca (EN 50575), AWG 23/1, 500m drum, Sx, purple**

The Digitus CAT 6 U/UTP installation cable is designed for use in structured data centers and building cabling systems in accordance with ISO/IEC 11801-1:2017, EN 50173-1, EN 50173-1:2011, EN 50173-2:2007+A1:2010, EN 50399:2011+A1:2016, EN 50575:2014 + A1:2016, and ANSI/TIA-568-2.D. The cable is ideally suited 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 evaluating and verifying performance consistency: 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 individual pairs: None
- Overall shielding: None
- Outer jacket: Eca to B2ca in accordance with EN 50575; LSZH
- Building Code: Dca s2, d1, a1
- (Nominal outer jacket thickness): 0.5 mm (Eca); 0.6 mm (Dca); 1.0 mm (Cca); 1.0 mm (B2ca)
- Outer casing color: Violet (RAL 4005)
- Standards: IEC 60332-1, IEC 60754-2:2011, IEC 61034-2:2005+A1:2013, IEC 61156-5:2009+AMD1:2012
- Mechanical Properties:
- Tension relief: 150 N 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
- Simplex outer diameter (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 ± 5 ohms @ 1–250 MHz
- Capacitance: 40 pF/m nominal @ 800 Hz
- Capacitance asymmetry (pair-to-ground): 1.5 pF/m max. @ 1 kHz
- Insulation resistance: 5 GOhm x km min.
- Loop resistance: 147 ohms/km max. (2% max. unbalanced resistance)
- Operating voltage: 72 Vdc max.
- Coupling Damping: CA Type 3
- Phase delay: 535 nS/100 m max.
- Propagation delay: 20 nS/100 m max.
- Containment Class: "b" according to EN 50174-2
- NVP: 69%

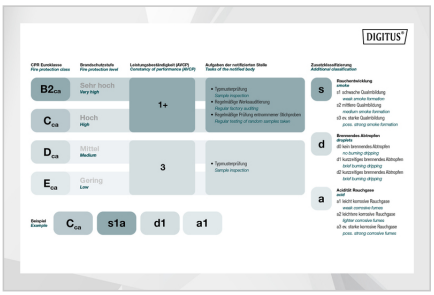
**Attributes**

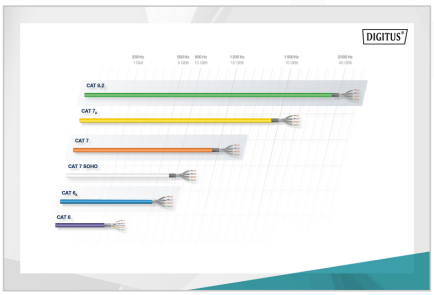
- Assortment: Twisted Pair Installation Cables
- Category: CAT 6
- Shielding: U-UTP, unshielded
- CPR: Dca
- Length: 500 m
- Color: violet
- Jacket: LSOH
- Structure: 4 x 2 AWG 23/1, solid twisted pair

**Logistics**

| | Number (pcs) | Weight (kg) | Depth (cm) | Width (cm) | Height (cm) | cm³ |
|---|---|---|---|---|---|---|
| **Packaging Unit Carton** | 1 | 26.00 | 36.00 | 36.00 | 30.00 | 38,880.00 |
| **Packaging Unit Inside** | 1 | 26.00 | 36.00 | 36.00 | 30.00 | 38,880.00 |
| **Packaging Unit Single** | 1 | 26.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| **Net single without Packaging** | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

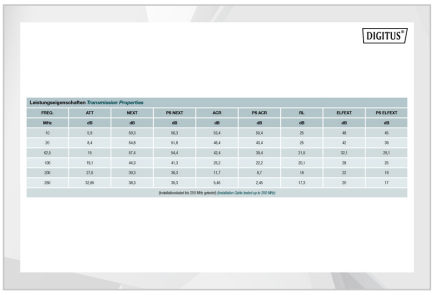
**More images:**

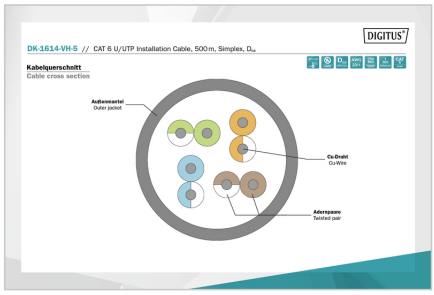

DIGITUS
B2ca
Ca
Da
Ea
1+
3
s1a
d1
a1

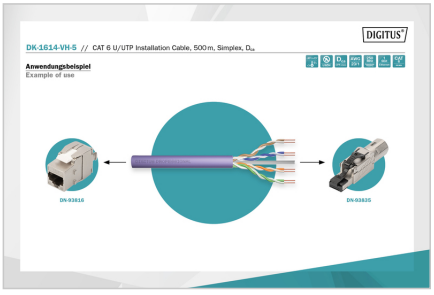

DIGITUS
CAT 8.2
CAT 7A
CAT 7
CAT 7 SCHO
CAT 6A
CAT 6

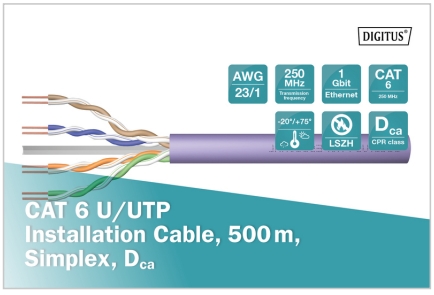

GHMT
Certificate
Class E
2 Connector Channel, Copper, Class E
GHMT Type Approval
GHMT
Zertifikat
Klasse E
2 Connector Channel, Kupfer, Klasse E
GHMT Type Approval

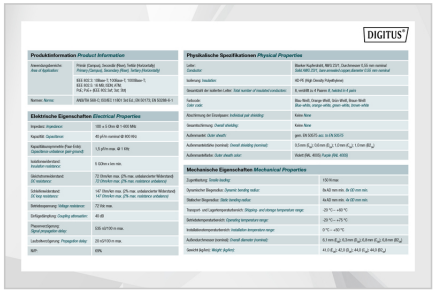

3P
Compliance Statement
Unscreened Class E / Category 6
ISO/IEC, EN & ANSI/TIA
Four Connector Channel
Assmann Electronic GmbH
Auf dem Schiffrl 2,
D-58513 Lüdenscheid, Germany
intertek
Intertek
ETL Verified Certificate of Conformance Number: 104375819CRT-001

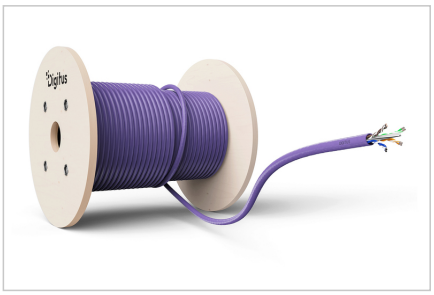

DIGITUS

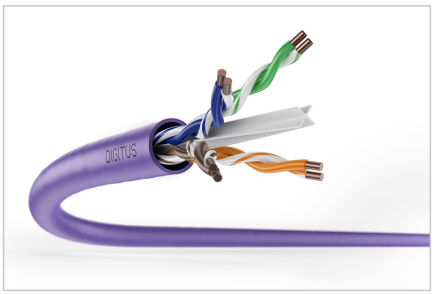

DIGITUS
DK-1614-VH-5 // CAT 6 U/UTP Installation Cable, 500 m, Simplex, Dca
Kabelquerschnitt
Cable cross section
Außenmantel
Outer jacket
Cu-Draht
Cu-Wire
Adernpaare
Twisted pair


DIGITUS
DK-1614-VH-5 // CAT 6 U/UTP Installation Cable, 500 m, Simplex, Dca
Anwendungsbeispiel
Example of use
DN-93810
DN-93835


DIGITUS
AWG 23/1
250 MHz
1 Gbit Ethernet
CAT 6
-20°/+75°
LSZH
Dca
CAT 6 U/UTP
Installation Cable, 500 m,
Simplex, Dca


DIGITUS
Produktinformation Product Information
Elektrische Eigenschaften Electrical Properties
Physikalische Spezifikationen Physical Properties
Mechanische Eigenschaften Mechanical Properties


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