

DIGITUS Cat.6A U/UTP installation cable, 500 m, simplex, B2ca

DK-1616-A-VH-5
EAN 4016032441977



CAT 6A U-UTP installation cable, 500 MHz B2ca (EN 50575), AWG 23/1, 500 m drum,

DIGITUS® Category 6A U-UTP installation cables are manufactured and tested to the ISO/IEC 11801, TIA/586-C.2 and EN 50173 Category 6A 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 and item code. The cable is packed in a paper pullout box which makes the installation easy.

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

- Physical properties:
- Conductor: Bare annealed copper, solid AWG 23/1
- 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: Dca to B2ca acc. to EN 50575; LSZH
- Outer sheath diameter (nominal): 0,5 mm (Eca); 0,6 mm (Dca); 1,2 mm (Cca); 1,4 mm (B2ca)
- Outer sheath color: Light blue (RAL 5012)
- Mechanical properties:
- Tensile loading: 150N max.
- Dynamic bending radius: 8x AD mm min.
- Static bending radius: 4x AD mm min.

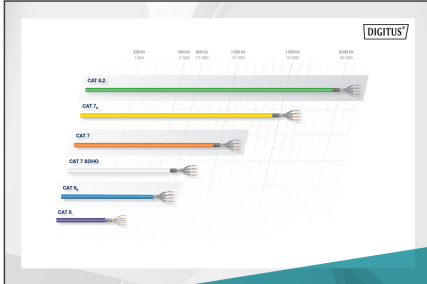
- Shipping- and storage temperature range: -20 °C up to +60 °C
- Operating temperature range: -20 °C up to +75 °C
- Installation temperature range: 0 °C up to +50 °C
- Overall diameter Simplex (nominal): 7,1 mm (Eca); 7,3 mm (Dca); 7,4 mm (Cca); 7,6 mm (B2ca)
- Weight (kg/km): 53 kg (Eca); 54 kg (Dca); 55 kg (Cca); 56 kg (B2ca)
- Electrical properties:
- Impedance: 100±50Ω @ 1 - 600MHz
- Capacitance: 40 pF/m nominal @ 1 KHz
- Capacitance unbalance (pair-ground): 1.6 pF/m max. @ 1 KHz
- Insulation resistance: 5 GΩm x km min.
- DC loop resistance: 147 Ω/km max. (2% max. resistance unbalance)
- Voltage resistance: 72 Vdc max.
- Coupling attenuation: CA-Type 2
- Signal propagation delay: 450 nS/100 m max.
- Propagation delay: 10 nS/100 m max.
- Separating class: "c" acc. to EN 50174-2
- NVP: 70%
- Category: CAT 6A
- Shielding: U-UTP, unshielded
- CPR: B2ca
- Length: 500 m
- Color: light-blue
- 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Packaging Unit Inside | 1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Packaging Unit Single | 1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Net single without Packaging | 1 | -0.16 | 0.00 | 0.00 | 0.00 | 0.00 |

More images:



| CEC-Bewertung | Brandenklasse | Leiterschichtkategorie (20/20) | Anzahl der verdrillten Paare | Zusätzliche Eigenschaften |
|-----------------|-----------------|--------------------------------|------------------------------|-------------------------------------|
| B2ca | Sehr hoch | 1+ | 4 | • 1000MHz • 1000MHz • 1000MHz |
| C _{ca} | Hoch | | | |
| D _{ca} | Mittel | | 3 | |
| E _{ca} | Gering | | | |
| Brandklasse | C _{ca} | s1a | d1 | a1 |



Compliance Statement

RoHS Compliant, Class 1

REACH Compliant

CE Marking

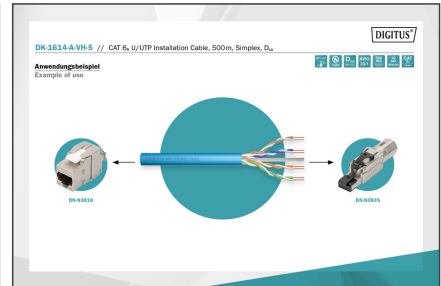
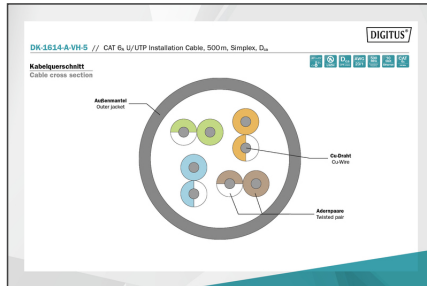
Intertek

UL Verified Certificate of Conformance Number: 000000000000000000

UL 157 (RJ45) and UL 157A (RJ45)

| FREQ. | ATT. | NEXT | PSNEXT | ACR | PLACR | DL | ELFEXT | PREFEXT |
|--------|------|------|--------|------|-------|------|--------|---------|
| 1 | 17 | 82.3 | 82.3 | 82.2 | 82.2 | 28 | 38 | 38 |
| 10 | 14.1 | 80.3 | 80.3 | 80.4 | 80.4 | 26 | 24.5 | 24.5 |
| 100 | 10 | 82.3 | 82.3 | 82.3 | 82.3 | 20.5 | 20.5 | 20.5 |
| 1000 | 7.3 | 80.4 | 80.4 | 80.4 | 80.4 | 18 | 18 | 18 |
| 10000 | 5.2 | 82.3 | 82.3 | 82.3 | 82.3 | 16.8 | 16.8 | 16.8 |
| 100000 | 4.1 | 82.3 | 82.3 | 82.3 | 82.3 | 15.2 | 15.2 | 15.2 |

| Produktkennzeichnung | Produkt-Informationen | Physikalische Spezifikationen/Physical Properties |
|----------------------|--------------------------------|---|
| DK-1614-A-VH-S | 500m, Simplex, D _{ca} | 500m, Simplex, D _{ca} |
| AWG | 23/1 | 23 AWG |
| Bandbreite | 500 MHz | 500 MHz |
| Standard | 10 Gbit Ethernet | 10 Gbit Ethernet |
| Kategorie | CAT 6A | CAT 6A |
| Shielding | D _{ca} | D _{ca} |
| LSZH | Yes | Yes |
| CPFR class | Class 1 | Class 1 |



CAT 6_A U/UTP Installation Cable, 500 m, Simplex, D_{ca}

- AWG 23/1
- 500 MHz
- 10 Gbit Ethernet
- CAT 6_A (see EN 60603)
- D_{ca} (see EN 60603)
- LSZH
- CPFR class

