

DIGITUS® CAT 6A U/UTP installation cable, 305 m, simplex, Eca

DK-1613-A-VH-305
EAN 4016032344100



CAT 6A U-UTP installation cable, 500 MHz Eca (EN 50575), AWG 23/1, 305 m drum, sx, blue

The Digitus® Cat.6A U/UTP installation cable is characterized by the following cable construction 4x2x AWG23/1 and reaches a transmission frequency up to 500 MHz. The halogen free cable jacket is conform to the standard IEC 60332-1, FRNC-B, LSZH-1 and CPR Euro class Eca. The cable is suitable for building structured cabling in the secondary and tertiary area. Compliant with the following standards ISO/IEC 11801, DIN EN 50173, DIN EN 50288-11-1.

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

- Physical properties:
- Conductor: Bare annealed copper, olid AWG 23/1
- System/s of AVCP: AVCP 3
- 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: Eca 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

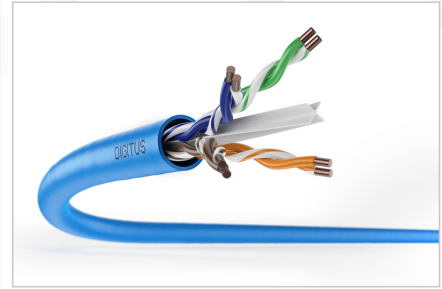
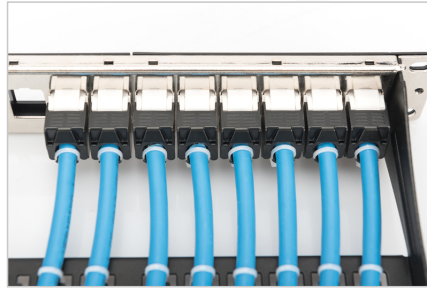
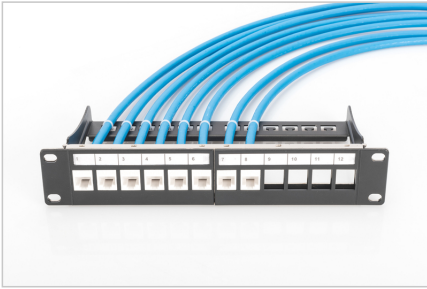
- Operating temperature range: -20 °C up to +75 °C
- Installation temperature range: 0 °C up to +50 °C
- Overall diameter Simplex (nominal): 7,1 mm (Eca); 7,3 mm (Dca); 7,4 mm (Cca); 7,6 mm (B2ca)
- Weight (kg/km): 53 kg (Eca); 54 kg (Dca); 55 kg (Cca); 56 kg (B2ca)
- Electrical properties:
- Impedance: 100±5Ohm @ 1 - 600MHz
- Capacitance: 40 pF/m nominal @ 1 KHz
- Capacitance unbalance (pair-ground): 1.6 pF/m max. @ 1 KHz
- Insulation resistance: 5 GOhm x km min.
- DC loop resistance: 147 Ohm/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%

Attributes

- Assortment: Twisted Pair Installation Cables
- Category: CAT 6A
- Shielding: U-UTP, unshielded
- CPR: Eca
- Length: 305 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 | 17.00 | 39.00 | 39.00 | 27.00 | 41,067.00 |
| Packaging Unit Inside | 1 | 17.00 | 39.00 | 39.00 | 27.00 | 41,067.00 |
| Packaging Unit Single | 1 | 17.00 | 39.00 | 39.00 | 27.00 | 41,067.00 |
| Net single without Packaging | 1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

More images:



DIGITUS

AWG 23/1
500 MHz
10 Gbit Ethernet
CAT 6a
20/1475
LSZH
Eca
CPL class

CAT 6a U/UTP Installation Cable, 305 m, Simplex, Eca

DIGITUS

DK-1613-A-VH-305 // CAT 6, U/UTP Installation Cable, 305 m, Simplex, Eca

Anwendungsbeispiel
Example of use

DIGITUS

DK-1613-A-VH-305 // CAT 6, U/UTP Installation Cable, 305 m, Simplex, Eca

Kabelquerschnitt
Cable cross section

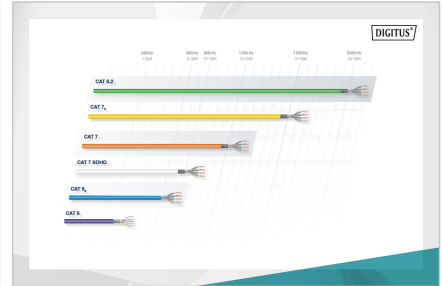
DIGITUS

| Produktdaten / Product Information | Physikalische Spezifikationen / Physical Properties |
|---|---|
| Bestellnummer / Order Number: DK-1613-A-VH-305 | Standard: EN 50323-2-31, EN 50323-2-32, EN 50323-2-33, EN 50323-2-34, EN 50323-2-35, EN 50323-2-36, EN 50323-2-37, EN 50323-2-38, EN 50323-2-39, EN 50323-2-40, EN 50323-2-41, EN 50323-2-42, EN 50323-2-43, EN 50323-2-44, EN 50323-2-45, EN 50323-2-46, EN 50323-2-47, EN 50323-2-48, EN 50323-2-49, EN 50323-2-50, EN 50323-2-51, EN 50323-2-52, EN 50323-2-53, EN 50323-2-54, EN 50323-2-55, EN 50323-2-56, EN 50323-2-57, EN 50323-2-58, EN 50323-2-59, EN 50323-2-60, EN 50323-2-61, EN 50323-2-62, EN 50323-2-63, EN 50323-2-64, EN 50323-2-65, EN 50323-2-66, EN 50323-2-67, EN 50323-2-68, EN 50323-2-69, EN 50323-2-70, EN 50323-2-71, EN 50323-2-72, EN 50323-2-73, EN 50323-2-74, EN 50323-2-75, EN 50323-2-76, EN 50323-2-77, EN 50323-2-78, EN 50323-2-79, EN 50323-2-80, EN 50323-2-81, EN 50323-2-82, EN 50323-2-83, EN 50323-2-84, EN 50323-2-85, EN 50323-2-86, EN 50323-2-87, EN 50323-2-88, EN 50323-2-89, EN 50323-2-90, EN 50323-2-91, EN 50323-2-92, EN 50323-2-93, EN 50323-2-94, EN 50323-2-95, EN 50323-2-96, EN 50323-2-97, EN 50323-2-98, EN 50323-2-99, EN 50323-3-00 |
| Hersteller / Manufacturer: Digitus | Material: Polyethylene (PE), Polypropylene (PP), PVC, LSZH |
| Technische Spezifikationen / Technical Specifications: | Mechanische Spezifikationen / Mechanical Properties: |
| Leistungsfähigkeit / Performance: | Temperaturbereich / Temperature Range: |
| Umweltbedingungen / Environmental Conditions: | Bestandteile / Components: |
| Zusätzliche Informationen / Additional Information: | Abmessungen / Dimensions: |

DIGITUS

Leistungsfähigkeit / Performance

| Standard | AWG | PE NEXT | ACR | PS NEXT | AL | SL NEXT | PS NEXT |
|----------|-----|---------|-----|---------|----|---------|---------|
| 100 | 24 | 40 | 40 | 40 | 40 | 40 | 40 |
| 100 | 24 | 40 | 40 | 40 | 40 | 40 | 40 |
| 100 | 24 | 40 | 40 | 40 | 40 | 40 | 40 |
| 100 | 24 | 40 | 40 | 40 | 40 | 40 | 40 |
| 100 | 24 | 40 | 40 | 40 | 40 | 40 | 40 |
| 100 | 24 | 40 | 40 | 40 | 40 | 40 | 40 |
| 100 | 24 | 40 | 40 | 40 | 40 | 40 | 40 |
| 100 | 24 | 40 | 40 | 40 | 40 | 40 | 40 |
| 100 | 24 | 40 | 40 | 40 | 40 | 40 | 40 |
| 100 | 24 | 40 | 40 | 40 | 40 | 40 | 40 |



DIGITUS

CEP Konformität / CE Marking

Bestandteile / Components

Leistungsfähigkeit / Performance

Abmessungen / Dimensions

Zusätzliche Informationen / Additional Information

CEP Konformität / CE Marking

Bestandteile / Components

Leistungsfähigkeit / Performance

Abmessungen / Dimensions

Zusätzliche Informationen / Additional Information

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