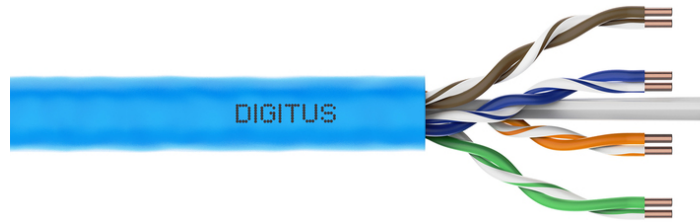


# DIGITUS® CAT 6A U/UTP data cable - installation cable, 100 m paper box, simplex, Dca

DK-1614-A-VH-1

EAN 4016032441861



## CAT 6A U-UTP installation cable, 500 MHz Dca (EN 50575), AWG 23/1, 100 m paper box,

DIGITUS® Category 6A U-UTP installation cables have been developed and tested according to ISO/IEC 11801, TIA/586-C.2 and EN 50173 Category 6A specifications. Each cable consists of 8 color-coded AWG 23 polyethylene insulated conductors. The conductors are twisted into 4 pairs with different lay lengths. Print details along the outer jacket include the brand name and part number. 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 to B2ca in accordance with EN 50575; LSZH
- Outer sheath thickness (nominal): 0.5 mm (Eca); 0.6 mm (Dca); 1.2 mm (Cca); 1.4 mm (B2ca)
- Outer casing color: Light blue (RAL 5012)
- 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

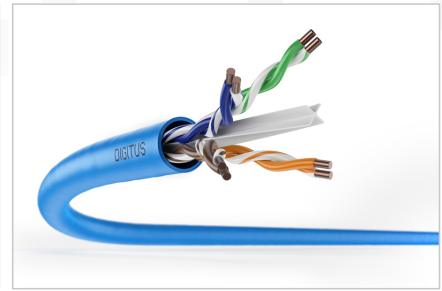
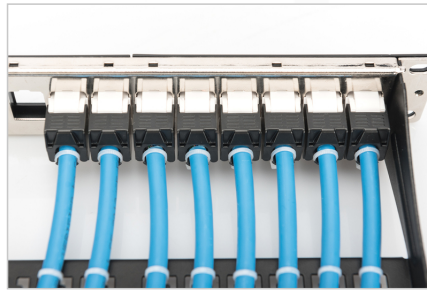
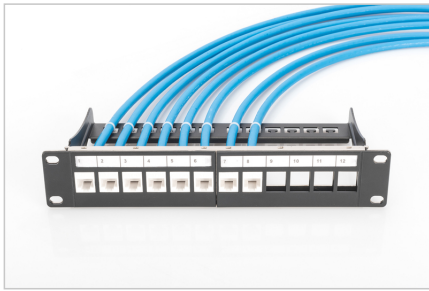
- Operating temperature range: -20 °C to +75 °C
- Installation temperature range: 0 °C to +50 °C
- Outer diameter simplex (nominal): 7.1 mm (Eca); 7.3 mm (Dca); 7.4 mm (Cca); 7.6 mm (B2ca)
- Weight (kg/km): 53 kg (Eca); 54 kg (Dca); 55 kg (Cca); 56 kg (B2ca)
- Electrical properties:
- Impedance: 100±50Ω @ 1 - 600MHz
- Capacitance: 40 pF/m nominal @ 1 KHz
- Capacitance unbalance (pair-earth): 1.6 pF/m max. @ 1 KHz
- Insulation resistance: 5 GΩm x km min. □ Technical Feature 27 Loop resistance: 147 Ω/km max. (2% max)
- Loop resistance: 147 Ω/km max. (2% max. unbalanced resistance)
- Operating voltage: 72 Vdc max.
- Coupling attenuation: CA-Type 2
- Phase delay: 450 nS/100 m max.
- Time delay: 10 nS/100 m max.
- Separation class: "c" according to EN 50174-2
- NVP: 70%

### Attributes

- Category: CAT 6A
- Shielding: U-UTP, unshielded
- CPR: Dca
- Length: 100 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	4.88	33.00	33.00	12.00	13,068.00
Packaging Unit Inside	1	4.88	0.00	0.00	0.00	0.00
Packaging Unit Single	1	4.88	33.00	33.00	12.00	13,068.00
Net single without Packaging	1	4.59	33.00	33.00	12.00	13,068.00

More images:



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AWG 23/1  
500 MHz  
10 Gbit Ethernet  
20°/75°  
LSZH  
D Ca  
Cat 6a  
CPL class

**CAT 6<sub>a</sub> U/UTP Installation Cable, 500m, Simplex, D<sub>Ca</sub>**

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DK-1614-A-VH-S // CAT 6<sub>a</sub> U/UTP Installation Cable, 500m, Simplex, D<sub>Ca</sub>

Anwendungsbeispiel  
Example of use

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Kabelquerschnitt  
Cable cross section

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Produktinformationen / Product Information	Physikalische Spezifikationen / Physical Properties
<b>Identifikations- / Identification:</b> Hersteller / Manufacturer: ASSMANN Electronic GmbH, Lüdenscheld, Germany Produktname / Product Name: CAT 6 <sub>a</sub> U/UTP Installation Cable Artikelnummer / Article Number: DK-1614-A-VH-S EAN: 40 5111 16141 1	<b>Material / Material:</b> Kabel / Cable: Polyethylene (PE) jacket, PVC jacket, LSZH jacket Kabelstruktur / Cable Structure: Simplex, D <sub>Ca</sub>
<b>Technische Eigenschaften / Technical Properties:</b> Kategorie / Category: CAT 6 <sub>a</sub> Geschwindigkeit / Speed: 10 Gbit/s Längenausdehnungskoeffizient / Coefficient of Thermal Expansion: 100 µm/m/K	<b>Temperaturbereich / Temperature Range:</b> Betriebsbereich / Operating Range: -40 °C to +75 °C Lagerbereich / Storage Range: -20 °C to +75 °C
<b>Umweltbedingungen / Environmental Conditions:</b> Lagerhöhe / Storage Height: 0,5 m Lagerdauer / Storage Duration: 10 years	<b>Abmessungen / Dimensions:</b> Kabelquerschnitt / Cable Cross Section: 10,5 mm Kabelgewicht / Cable Weight: 100 g/m

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**Leistungsmerkmale / Performance Characteristics**

Standard	AWG	AWG	AWG	AWG	AWG	AWG	AWG
1000	24	24	24	24	24	24	24
100	24	24	24	24	24	24	24
10	24	24	24	24	24	24	24
1	24	24	24	24	24	24	24

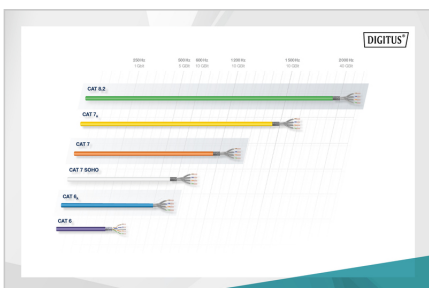
**Compliance Statement** No. 2020-530

Hersteller / Manufacturer: ASSMANN Electronic GmbH, Lüdenscheld, Germany

Produktname / Product Name: CAT 6<sub>a</sub> U/UTP Installation Cable

Artikelnummer / Article Number: DK-1614-A-VH-S

CE, RoHS, REACH, Intertek, ETL



**DIGITUS**

**CE Markierung / CE Marking**

CE, RoHS, REACH

**Leistungsmerkmale / Performance Characteristics**

Standard: CAT 6<sub>a</sub>, s1a, d1, a1



**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.

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