

# DIGITUS Cat.6A U/UTP installation cable, 305 m, simplex, Dca

DK-1614-A-VH-305  
EAN 4016032441878



### CAT 6A U-UTP installation cable, 500 MHz Dca (EN 50575), AWG 23/1, 305 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, 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: 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±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%
- Category: CAT 6A
- Shielding: U-UTP, unshielded
- CPR: Dca
- 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)	cm <sup>3</sup>
Packaging Unit Carton	1	17.23	37.00	37.00	31.00	42,439.00
Packaging Unit Inside	1	17.23	37.00	37.00	31.00	42,439.00
Packaging Unit Single	1	17.23	37.00	37.00	31.00	42,439.00
Net single without Packaging	1	0.00	0.00	0.00	0.00	0.00

**More images:**

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**ERP-Einstufung**  
 Die Einstufung des Produktes

**Bestandteile**  
 Die Bestandteile des Produktes

**Lebenszyklusdauer (LZD)**  
 Lebenszyklusdauer des Produktes

**Adapter für konfigurierbare Stecker**  
 Adapter für konfigurierbare Stecker

**Zusätzliche Informationen**  
 Zusätzliche Informationen

**B2+** Sehr hoch Very high

**C<sub>ca</sub>** Hoch High

**D<sub>ca</sub>** Mittel Medium

**E<sub>ca</sub>** Gering Low

**1+**

**3**

**S** Reparaturfähigkeit Repairability

**d** Recyclingfähigkeit Recyclability

**a** Abfall-Recycling Waste recycling

**Hersteller:** C<sub>ca</sub> s1a d1 a1

**Compliance Statement**  
 No. 2020-030

**intertek**

EMC Test Certificate of Compliance Number: 2020020101-001

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**CAT 6A U/UTP**  
**Installation Cable, 305 m,**  
**Simplex, D<sub>ca</sub>**

AWG 23/1

500 MHz

10 Gbit Ethernet

20°/1.75°

LSZH

D<sub>ca</sub> CPR class

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**DK-1614-A-VH-305 // CAT 6, U/UTP Installation Cable, 305 m, Simplex, D<sub>ca</sub>**

**Anwendungsbeispiel**  
 Example of use

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**DK-1614-A-VH-305 // CAT 6, U/UTP Installation Cable, 305 m, Simplex, D<sub>ca</sub>**

**Kabelquerschnitt**  
 Cable cross section

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**Produktinformation Product Information**

<b>Anwendungsbereich</b>	Netzwerk-Steuerung, Netz, Netzwerke	<b>Leiter</b>	23 AWG, 23 AWG, 23 AWG
<b>Art</b>	Simplex, Duplex, Duplex, Duplex	<b>Leitermaterial</b>	23 AWG, 23 AWG, 23 AWG
<b>Artikelnr.</b>	DK-1614-A-VH-305, DK-1614-A-VH-305, DK-1614-A-VH-305	<b>Leiterschicht</b>	23 AWG, 23 AWG, 23 AWG
<b>Hersteller</b>	DIGITUS	<b>Leiterschichtdicke</b>	23 AWG, 23 AWG, 23 AWG

**Technische Eigenschaften Physical Properties**

<b>Leiterschicht</b>	23 AWG, 23 AWG, 23 AWG	<b>Leiterschichtdicke</b>	23 AWG, 23 AWG, 23 AWG
<b>Leiterschichtdicke</b>	23 AWG, 23 AWG, 23 AWG	<b>Leiterschichtmaterial</b>	23 AWG, 23 AWG, 23 AWG

**Mechanische Eigenschaften Mechanical Properties**

<b>Leiterschicht</b>	23 AWG, 23 AWG, 23 AWG	<b>Leiterschichtdicke</b>	23 AWG, 23 AWG, 23 AWG
<b>Leiterschichtdicke</b>	23 AWG, 23 AWG, 23 AWG	<b>Leiterschichtmaterial</b>	23 AWG, 23 AWG, 23 AWG

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**Leistungseigenschaften Transmission Properties**

AWG	AWG	AWG	AWG	AWG	AWG	AWG	AWG	AWG	AWG
24	24	24	24	24	24	24	24	24	24
23	23	23	23	23	23	23	23	23	23
22	22	22	22	22	22	22	22	22	22
21	21	21	21	21	21	21	21	21	21
20	20	20	20	20	20	20	20	20	20
19	19	19	19	19	19	19	19	19	19
18	18	18	18	18	18	18	18	18	18
17	17	17	17	17	17	17	17	17	17
16	16	16	16	16	16	16	16	16	16
15	15	15	15	15	15	15	15	15	15
14	14	14	14	14	14	14	14	14	14
13	13	13	13	13	13	13	13	13	13
12	12	12	12	12	12	12	12	12	12
11	11	11	11	11	11	11	11	11	11
10	10	10	10	10	10	10	10	10	10
9	9	9	9	9	9	9	9	9	9
8	8	8	8	8	8	8	8	8	8
7	7	7	7	7	7	7	7	7	7
6	6	6	6	6	6	6	6	6	6
5	5	5	5	5	5	5	5	5	5
4	4	4	4	4	4	4	4	4	4
3	3	3	3	3	3	3	3	3	3
2	2	2	2	2	2	2	2	2	2
1	1	1	1	1	1	1	1	1	1

