

# DIGITUS Cat.5e U/UTP installation cable, 100 m, simplex, Eca

DK-1511-V-1-1  
EAN 4016032363804



## CAT 5e U-UTP installation cable, 100 MHz Eca (PVC), AWG 24/1, 100 m paper box, sx, grey

The Digitus Cat 5e U/UTP installation cable is designed for use in the structured data center and the building cabling according to ISO/IEC 11801, DIN EN 50288-2-1, DIN EN 50173. The cable is perfectly suitable for the transmission of both analog and digital data and also supports POE. The shielding structure is composed of single shielded pairs with a tinned copper braid, which ensures excellent shielding and electrical values.

- Physical properties:
- Conductor: Bare annealed copper, solid AWG 24/1
- Total number of insulated conductors: 8, twisted in 4 pairs
- Color code: Blue-white, orange-white, green-white, brown-white
- Individual pair shielding: None
- Overall shielding: None
- Outer sheath: Eca acc. to EN 50575; PVC
- Outer sheath diameter (nominal): 0.50 mm nominal
- Outer sheath color: Grey (RAL 7035)
- 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 +75 °C

- Operating temperature range: -20 °C up to +60 °C
- Installation temperature range: 0 °C up to +50 °C
- Overall diameter Simplex (nominal): 4.7 mm nominal
- Electrical properties:
- Impedance: 100±5 Ohm @ 1-600 MHz
- Capacitance: 40 pF/m nominal @ 800 Hz
- Capacitance unbalance (pair-ground): 1.5 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 3
- Signal propagation delay: 535 nS/100 m max.
- Propagation delay: 20 nS/100 m max.
- Separating class: „b“ acc. to EN 50174-2
- NVP: 69%
- Assortment: Twisted Pair Installation Cables
- Category: CAT 5e
- Shielding: U-UTP, unshielded
- CPR: Eca
- Length: 100 m
- Color: grey
- Jacket: PVC
- Structure: 4 x 2 AWG 24/1, solid twisted pair

Logistics						
	Number (pcs)	Weight (kg)	Depth (cm)	Width (cm)	Height (cm)	cm³
Packaging Unit Carton	1	2.60	12.00	23.00	24.00	6,624.00
Packaging Unit Inside	1	2.60	12.00	23.00	24.00	6,624.00
Packaging Unit Single	1	2.60	12.00	23.00	24.00	6,624.00
Net single without Packaging	1	2.43	12.00	23.00	24.00	6,624.00

More images:



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**DK-1511-V-5-1 // CAT 5e U/UTP Installation Cable, 100m, Simplex, E<sub>ca</sub>**

**Anwendungsbeispiel**  
Example of use

**DK-1511-V-5-1 // CAT 5e U/UTP Installation Cable, 100m, Simplex, E<sub>ca</sub>**

**Kabelquerschnitt**  
Cable cross section

**Aufbaustruktur**  
Build-up structure

- Co-Braid Cu/Wr
- Aluminium-Edelmetall-Lack

**Produktdatenblatt Product Information**

<b>Produktbeschreibung</b>	100 MHz, Simplex, Flat, 20/140, 24 AWG, 1 Cat Ethernet, Eca CFR class	<b>Umfeld</b>	Baumaterial: NYLON
<b>Technische Eigenschaften</b>	100 MHz, Simplex, Flat, 20/140, 24 AWG, 1 Cat Ethernet, Eca CFR class	<b>Lebensdauer</b>	10 Jahre
<b>Elektrische Eigenschaften</b>	100 MHz, Simplex, Flat, 20/140, 24 AWG, 1 Cat Ethernet, Eca CFR class	<b>Lebensdauer</b>	10 Jahre
<b>Mechanische Eigenschaften</b>	100 MHz, Simplex, Flat, 20/140, 24 AWG, 1 Cat Ethernet, Eca CFR class	<b>Lebensdauer</b>	10 Jahre

**Leitungsgruppen-Transmissions Properties**

Pair	STP	NET	PL NET	ACR	PL ACR	SL	PL NEXT	PL NEXT
1	2	0.3	0.3	0.2	0.2	17	0.4	1.9
10	10	0.3	0.3	0.2	0.2	16	0.4	1.9
19	19	0.3	0.3	0.2	0.2	16	0.4	1.9
28	28	0.3	0.3	0.2	0.2	16	0.4	1.9
37	37	0.3	0.3	0.2	0.2	16	0.4	1.9
46	46	0.3	0.3	0.2	0.2	16	0.4	1.9

**Intertek**

**ETL** Verbal Certificate of Conformance number: 11115881037-0014

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Product Name: CAT 5e U/UTP Installation Cable, 100m, Simplex, Eca

Model Number: DK-1511-V-5-1

Manufacturer: ASSMANN Electronic GmbH

Address: Lüdenschheid 3, 41824 Lüdenschheid, Germany

Phone: +49 201 2000 1000

Website: www.assmann.com

Signature: [Signature]

**DIGITUS**

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**CE System**

**Compliance**

**Category**

**Shielding**

**Performance**

**Class**

**Shielding**

**Performance**

**Class**

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**Performance**

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**Performance**

**Class**



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  
 Lüdenschheid, Germany  
<https://www.assmann.com>  
 info@assmann.com