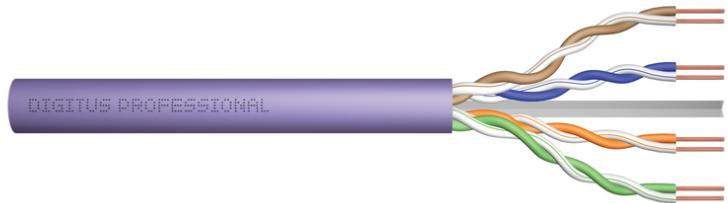


# DIGITUS Cat.6 U/UTP installation cable, 100 m, simplex, Dca-s2,d2,a1

DK-1614-VH-1  
EAN 4016032442134



### CAT 6 U-UTP installation cable, 250 MHz Dca (EN 50575), AWG 23/1, 100 m paper box,

The Digitus Cat 6 U/UTP installation cable is designed for use in the structured data center and the building cabling according to ISO/IEC 11801, DIN EN 50288-6-1, DIN EN 50173, IEC 60332-1. The cable is perfectly suitable for the transmission of both analog and digital data and also supports POE and POE+.

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

- Physical properties:
- Conductor: Bare annealed copper, solid 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); 1,0 mm (Cca); 1,0 mm (B2ca)
- Outer sheath color: Purple (RAL 4005)
- 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

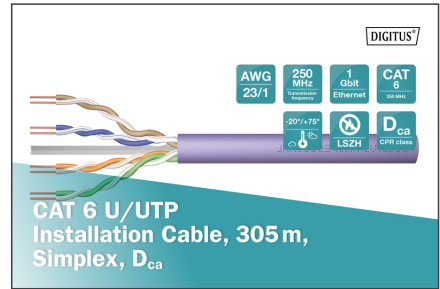
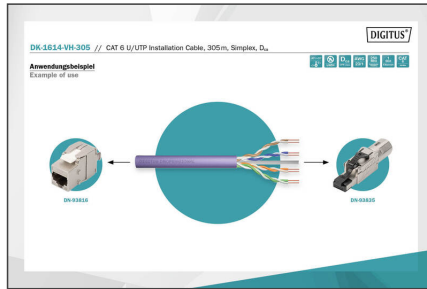
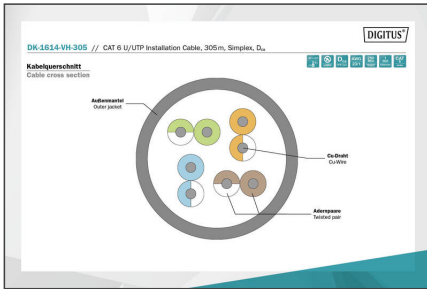
- Installation temperature range: 0 °C up to +50 °C
- Overall diameter Simplex (nominal): 6,1 mm (Eca); 6,3 mm (Dca); 6,8 mm (Cca); 6,8 mm (B2ca)
- Weight (kg/km): 41 kg (Eca); 42 kg (Dca); 44 kg (Cca); 44 kg (B2ca)
- Electrical properties:
- Impedance: 100±50Ω @ 1 - 250MHz
- Capacitance: 40 pF/m nominal @ 800 Hz
- Capacitance unbalance (pair-ground): 1.5 pF/m max. @ 1 KHz
- Insulation resistance: 5 GΩm x km min.
- DC loop resistance: 147 Ωm/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" gem. EN 50174-2
- NVP: 69%

#### Attributes

- Assortment: Twisted Pair Installation Cables
- Category: CAT 6
- Shielding: U-UTP, unshielded
- CPR: Dca
- Length: 100 m
- Color: violet
- Jacket: LSOH
- Structure: 4 x 2 AWG 23/1, solid twisted pair

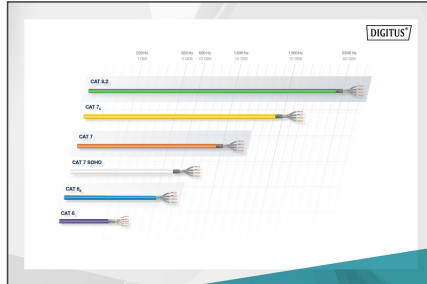
Logistics						
	Number (pcs)	Weight (kg)	Depth (cm)	Width (cm)	Height (cm)	cm <sup>3</sup>
Packaging Unit Carton	1	0.00	0.00	0.00	0.00	0.00
Packaging Unit Inside	1	0.00	0.00	0.00	0.00	0.00
Packaging Unit Single	1	0.00	0.00	0.00	0.00	0.00
Net single without Packaging	1	-0.30	0.00	0.00	0.00	0.00

More images:



Produktinformationen Product Information		Physikalische Spezifikationen Physical Properties	
Herstellername Hersteller Hersteller-Teilnummer Hersteller-Teilnummer Hersteller-Teilnummer	Digitus Digitus DK-1614-VH-305 DK-1614-VH-305 DK-1614-VH-305	Teilenummer Teilenummer Teilenummer Teilenummer Teilenummer	DK-1614-VH-305 DK-1614-VH-305 DK-1614-VH-305 DK-1614-VH-305 DK-1614-VH-305
<b>Elektrische Eigenschaften Electrical Properties</b>		<b>Mechanische Eigenschaften Mechanical Properties</b>	
Leitungsstruktur Leitungsstruktur Leitungsstruktur Leitungsstruktur Leitungsstruktur	4/25 4/25 4/25 4/25 4/25	Leitungsstruktur Leitungsstruktur Leitungsstruktur Leitungsstruktur Leitungsstruktur	4/25 4/25 4/25 4/25 4/25

Leitungsparameter Transmission Properties									
FRF1	ATT	MLT	PLMST	AOI	PLACK	PL	PLRST	PLRST2	PLRST3
10	1.2	100	30.1	0.2	0.2	20	4	4	4
20	1.4	104	31.1	0.4	0.4	20	4	4	4
30	1.6	108	32.1	0.6	0.6	20	4	4	4
40	1.8	112	33.1	0.8	0.8	20	4	4	4
50	2.0	116	34.1	1.0	1.0	20	4	4	4
60	2.2	120	35.1	1.2	1.2	20	4	4	4
70	2.4	124	36.1	1.4	1.4	20	4	4	4
80	2.6	128	37.1	1.6	1.6	20	4	4	4
90	2.8	132	38.1	1.8	1.8	20	4	4	4
100	3.0	136	39.1	2.0	2.0	20	4	4	4



GR System	Brandenklasse	Leitungsstruktur (AWG)	Leitungsstruktur (AWG)	Leitungsstruktur (AWG)	Leitungsstruktur (AWG)
B2ca	Very High	23	23	23	23
Cca	High	23	23	23	23
Dca	Medium	23	23	23	23
Eca	Low	23	23	23	23



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](mailto:info@assmann.com)