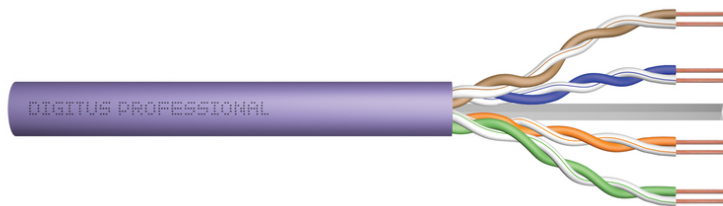


# DIGITUS Cat.6 U/UTP installation cable, 305 m, simplex, Dca-s2,d2,a1

DK-1614-VH-305  
EAN 4016032435785



### CAT 6 U-UTP installation cable, 250 MHz, AWG 23/1 Dca (LSZH-1), 305 m, paper box, simplex, purple

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

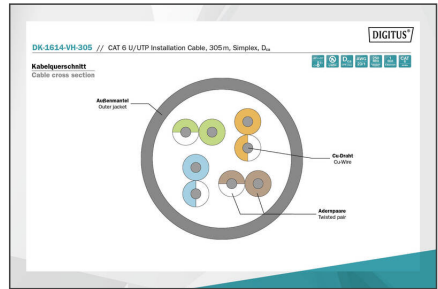
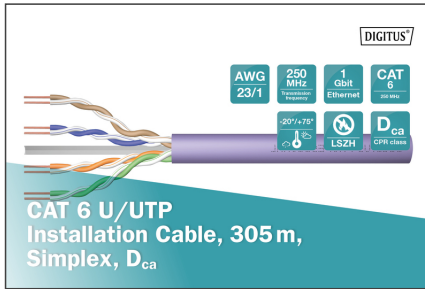
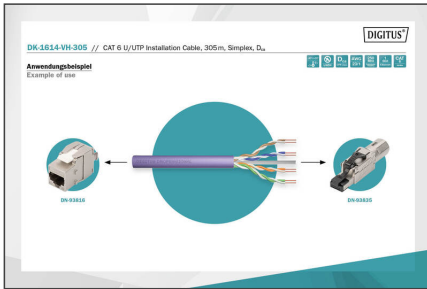
- Installation temperature range: 0 °C up to +50 °C
- Overall diameter Simplex (nominal): 6,1 mm (Eca); 6,3 mm (Dca); 6,8 mm (Cca); 6,8 mm (B2ca)
- Weight (kg/km): 41 kg (Eca); 42 kg (Dca); 44 kg (Cca); 44 kg (B2ca)
- Electrical properties:
- Impedance: 100±50Ω @ 1 - 250MHz
- Capacitance: 40 pF/m nominal @ 800 Hz
- Capacitance unbalance (pair-ground): 1.5 pF/m max. @ 1 KHz
- Insulation resistance: 5 GΩm x km min.
- DC loop resistance: 147 Ω/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: 305 m
- Color: violet
- Jacket: LSOH
- Structure: 4 x 2 AWG 23/1, solid twisted pair

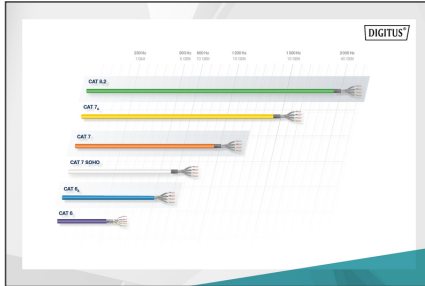
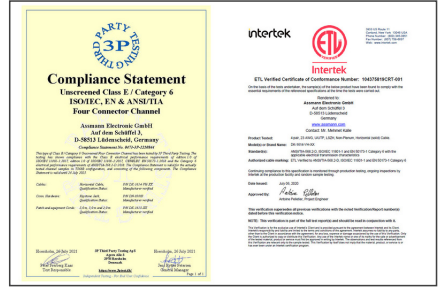
Logistics						
	Number (pcs)	Weight (kg)	Depth (cm)	Width (cm)	Height (cm)	cm³
Packaging Unit Carton	1	12.30	45.00	44.50	25.00	50,062.50
Packaging Unit Inside	1	12.30	45.00	44.50	25.00	50,062.50
Packaging Unit Single	1	12.30	45.00	44.50	25.00	50,062.50
Net single without Packaging	0	0.00	0.00	0.00	0.00	0.00

More images:

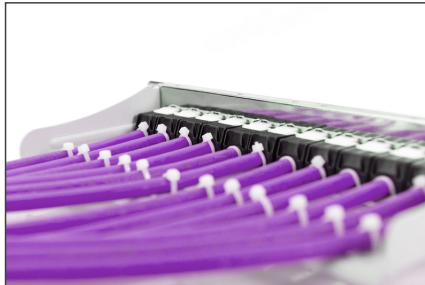


Produktinformationen Product Information		Physikalische Spezifikationen Physical Properties	
Hersteller/Manufacturer: DIGITUS	Produktname/Product Name: CAT 6 U/UTP Installation Cable, 305m, Simplex, Dca	Typ/Type: CAT 6 U/UTP	Norm/Norm: EN 50173-1, EN 50173-2
Artikelnummer/Article No.: 1614-VH-305	Material/Material: PVC	Leitungsstruktur/Wiring Structure: 4x25	Leitungsstruktur/Wiring Structure: 4x25
Farbe/Color: Schwarz/Black	Leitungsstruktur/Wiring Structure: 4x25	Leitungsstruktur/Wiring Structure: 4x25	Leitungsstruktur/Wiring Structure: 4x25
Leitungsstruktur/Wiring Structure: 4x25	Leitungsstruktur/Wiring Structure: 4x25	Leitungsstruktur/Wiring Structure: 4x25	Leitungsstruktur/Wiring Structure: 4x25

Leitungsparameter Transmission Properties											
FRF1	ATT	MLT	PLMST	AOI	PLACK	PL	PLKST	PLDST	PLDST	PLDST	PLDST
10	1.2	100	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1
20	1.4	100	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1
30	1.6	100	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1
40	1.8	100	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1
50	2.0	100	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1
60	2.2	100	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1
70	2.4	100	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1
80	2.6	100	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1
90	2.8	100	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1
100	3.0	100	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1



EN 50173-1	EN 50173-2	EN 50173-3	EN 50173-4	EN 50173-5	EN 50173-6	EN 50173-7	EN 50173-8	EN 50173-9	EN 50173-10
B2ca	Cca	Dca	Eca	1+	3	3	3	3	3
st1a	d1	a1	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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