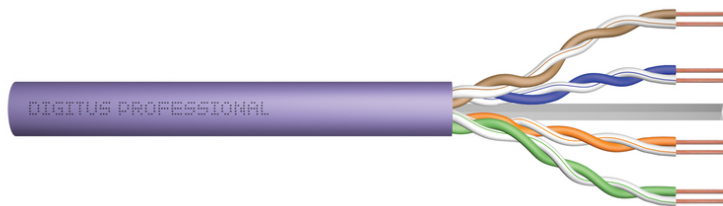


# DIGITUS Cat.6 U/UTP installation cable, 305 m, simplex, Eca

DK-1613-VH-305  
EAN 4016032324553



### CAT 6 U-UTP installation cable, 250 MHz Eca (EN 50575), AWG 23/1, 305 m paper box, sx, pu

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+.

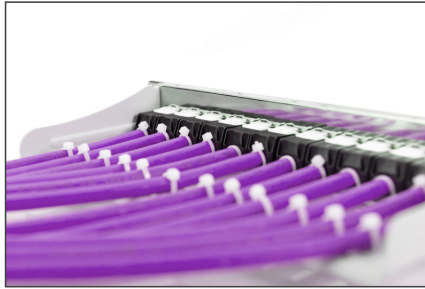
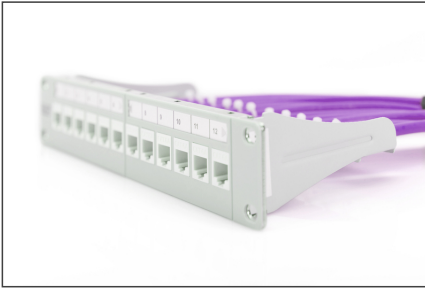
#### Future-oriented standards and high-end quality for your network.

- 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±50Ωm @ 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“ acc. to EN 50174-2
- NVP: 69%
- Assortment: Twisted Pair Installation Cables
- Category: CAT 6
- Shielding: U-UTP, unshielded
- CPR: Eca
- CPR: Eca
- 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)	cm <sup>3</sup>
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	1	0.00	0.00	0.00	0.00	0.00

More images:



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

AWG 23/1    250 MHz    1 Gbit Ethernet    CAT 6

20°/±7.5°    6    LSZH    E<sub>ca</sub> CPR class

**DIGITUS**

**DK-1613-VH-305 // CAT 6 U/UTP Installation Cable, 305m, Simplex, E<sub>ca</sub>**

**Anwendungsbildet**  
Example of use

DK-9355A    DK-9355C

**DIGITUS**

**DK-1613-VH-305 // CAT 6 U/UTP Installation Cable, 305m, Simplex, E<sub>ca</sub>**

**Kabelquerschnitt**  
Cable cross section

Adressierte Daten-paar    Cx-Shield/Cable    Adressierte Torsion-paar

**DIGITUS**

Produktdaten / Product Information		Physikalische Spezifikationen / Physical Properties	
Bestellnummer / Part Number:	DK-1613-VH-305 (1613-VH-305)	Leiter / Conductor:	Neuen Koaxiale WS-2371 Twisted Pair (28 bis 40er) / New Coaxial WS-2371 Twisted Pair (28 to 40 strands)
Name / Name:	DK-1613-VH-305 (1613-VH-305)	Isolierung / Insulation:	28 bis 40er Twisted Pair (28 bis 40er) / 28 to 40 strands Twisted Pair (28 to 40 strands)
<b>Elektrische Eigenschaften / Electrical Properties</b>		<b>Mechanische Eigenschaften / Mechanical Properties</b>	
Stecker-Bauform / Connector:	28 bis 40er (28 bis 40er) / 28 to 40 strands	Druckfestigkeit / Compression:	150 N/mm²
Isolationswiderstand / Insulation Resistance:	> 10 <sup>10</sup> Ohm	Bruchdehnung / Elongation:	100%
Temperaturbereich / Temperature Range:	-40°C bis 75°C	Stoßbelastung / Impact:	10 J
Lebensdauer / Lifetime:	> 100 Jahre	Biegebelastung / Bending:	10 N/mm
Flammverhalten / Flamm Behavior:	LSZH	Bruchkraft / Tensile Strength:	10 N
Überspannung / Overvoltage:	10 kV	Biegemoment / Bending Moment:	10 Nmm
Überspannungsbelastbarkeit / Overvoltage Withstand:	10 kV	Biegezugkraft / Bending Tension:	10 N
Lebensdauer / Lifetime:	> 100 Jahre	Biegedruckkraft / Bending Compression:	10 N

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**Leistungseigenschaften / Transmission Properties**

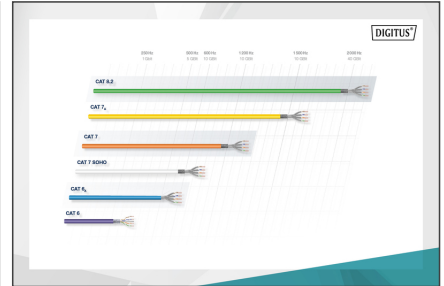
AWG	AWG	NEXT	PS-NEXT	ACR	PLCR	PL	PLRFT	PLRFT2
24	26	52	48	24	26	16	14	12
22	24	58	52	28	30	18	16	14
20	22	62	56	32	34	20	18	16
18	20	66	60	36	38	22	20	18
16	18	70	64	40	42	24	22	20
14	16	74	68	44	46	26	24	22
12	14	78	72	48	50	28	26	24
10	12	82	76	52	54	30	28	26

**GHMT**

**Certificate**    **Zertifikat**

Class E    Klasse E

**GHMT Type Approval**    **GHMT Type Approval**



**DIGITUS**

**CEP Konformität**    **Bestandteile**    **Leistungseigenschaften (AWG)**    **Auflösung der Konformität**    **Zusatzanforderungen**

B2 <sub>ca</sub>	Sicher hoch	1+	• Spannungsfallung	s	Bestandteile
C <sub>ca</sub>	Hoch		• Spannungsfallung	d	• Kabelquerschnitt
D <sub>ca</sub>	Mittel	3	• Spannungsfallung	a	• Kabelquerschnitt
E <sub>ca</sub>	Gering		• Spannungsfallung		• Kabelquerschnitt

**Flammverhalten**    **Überspannung**    **Überspannungsbelastbarkeit**

C <sub>ca</sub>	s1a	d1	a1
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