

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

DK-1613-A-VH-305
EAN 4016032344100



CAT 6A U-UTP installation cable, 500 MHz Eca (EN 50575), AWG 23/1, 305 m drum, sx, blue

The Digitus® Cat.6A U/UTP installation cable is characterized by the following cable construction 4x2x AWG23/1 and reaches a transmission frequency up to 500 MHz. The halogen free cable jacket is conform to the standard IEC 60332-1, FRNC-B, LSZH-1 and CPR Euro class Eca. The cable is suitable for building structured cabling in the secondary and tertiary area. Compliant with the following standards ISO/IEC 11801, DIN EN 50173, DIN EN 50288-11-1.

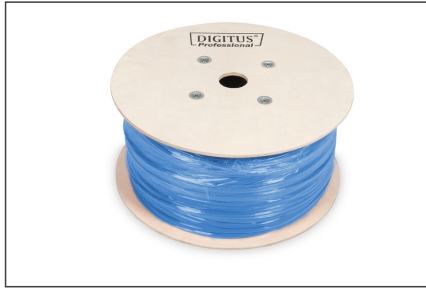
Future-oriented standards and high-end quality for your network.

- 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: Eca 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±50hm @ 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%
- Assortment: Twisted Pair Installation Cables
- Category: CAT 6A
- Shielding: U-UTP, unshielded
- CPR: Eca
- 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)	cm³
Packaging Unit Carton	1	17.00	39.00	39.00	27.00	41,067.00
Packaging Unit Inside	1	17.00	39.00	39.00	27.00	41,067.00
Packaging Unit Single	1	17.00	39.00	39.00	27.00	41,067.00
Net single without Packaging	0	0.00	0.00	0.00	0.00	0.00

More images:



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Kabelquerschnitt
Cable cross-section

Automatischer Farb-Parser
Cat-Shield
Outer-Shell
Microspace
Center-Conductor

Produktinformationen Product Information

Produkt-Code: 1613-A-VH-305-0001
EAN: 4051081000000

Physikalische Spezifikationen Physical Properties

Hersteller: DIGITUS
Material: Polyethylen (PE) mit Leiter-Isolierung aus PVC
Leitungstyp: U/UTP
Leitungsführung: Standard

Elektrische Eigenschaften Electrical Properties

Leitungskategorie: CAT 6
Leitungslänge: 305 m
Leitungsdämpfung: 28 dB/100m @ 1MHz
Leitungskapazität: 57 pF/m @ 1MHz

Mechanische Eigenschaften Mechanical Properties

Leitungsdurchmesser: 12,5 mm (0,49 in.)
Leitungsbauweise: U/UTP
Leitungsfähigkeit: 2400 N (540 lbf) Zugkraft
Leitungsbiegeradius: 25 mm (1 in.)
Leitungsbiegeradius bei 90°: 25 mm (1 in.)
Leitungsbiegeradius bei 180°: 50 mm (2 in.)
Leitungsbiegeradius bei 270°: 50 mm (2 in.)
Leitungsbiegeradius bei 360°: 50 mm (2 in.)

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Anwendungsbeispiel
Example of use

CAT 6_A U/UTP Installation Cable, 305m, Simplex, E_{ca}

AWG 23/1
500 MHz
10 Gbit Ethernet
CAT 6_A

20°/175°
LSZH
E_{ca} Cat 6 class

Leistungseigenschaften Transmission Properties

Temperatur	AT	NET	PR-NEXT	ACR	PS-NON	AL	PL-RF	PS-RFEXT
15	101	48	48	48	48	48	48	48
20	101	48	48	48	48	48	48	48
25	101	48	48	48	48	48	48	48
30	101	48	48	48	48	48	48	48
35	101	48	48	48	48	48	48	48
40	101	48	48	48	48	48	48	48
45	101	48	48	48	48	48	48	48
50	101	48	48	48	48	48	48	48

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RoHS Compliant of Low-halogen Polymer (RoHS-Exempt)

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CAT 6_A 305m
CAT 6 305m
CAT 5 305m
CAT 5E 305m
CAT 5E 150m
CAT 5E 75m
CAT 5 150m
CAT 5 75m

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Leistungseigenschaften Transmission Properties

Anforderungen an verteilte Systeme Distribution Requirements

Verpackung Packaging

Leistungseigenschaften Transmission Properties

B2 _{ca}	Stark hoch Very high	1+	<ul style="list-style-type: none"> • Typischer Wert • 95% Konformität • 95% Konformität • 95% Konformität • 95% Konformität • 95% Konformität 	3	1
C _{ca}	Hoch High			3	1
D _{ca}	Mittel Medium			3	1
E _{ca}	Gering Low			3	1

Intertek

C_{ca} s1a d1 a1

