

DIGITUS Cat.6A U/UTP installation cable, 500 m, simplex, Dca

DK-1614-A-VH-5
EAN 4016032441885



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

DIGITUS® Category 6A U-UTP installation cables are manufactured and tested to the ISO/IEC 11801, TIA/586-C.2 and EN 50173 Category 6A specifications. Every cord consists of 8 color coded AWG 23 polyethylene insulated conductors. The conductors are twisted together to form 4 pairs with varying lay lengths. Printing details along the outer sheath includes the brand name and item code. The cable is packed in a paper pullout box which makes the installation easy.

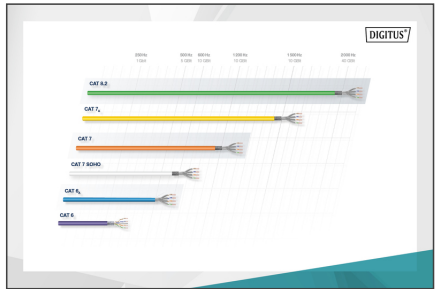
Future-oriented standards and high-end quality for your network.

- Physical properties:
- Conductor: Bare annealed copper, olid AWG 23/1
- 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: Dca 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%
- Length: 500 m
- Category: CAT 6A
- Color: light-blue
- Color: light-blue
- CPR: Dca
- Jacket: LSOH
- Shielding: U-UTP, unshielded
- 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	27.50	50.00	50.00	22.00	55,000.00
Packaging Unit Inside	1	27.50	50.00	50.00	22.00	55,000.00
Packaging Unit Single	1	27.50	50.00	50.00	22.00	55,000.00
Net single without Packaging	1	27.34	50.00	50.00	22.00	55,000.00



Leistungseigenschaften Transceiver-Properties									
Model	AT	NEAT	PM-NEAT	ACH	PM-ACH	HL	ELFEXT	PM-ELFEXT	
100	48	48	48	48	48	48	48	48	
1	1.1	60.3	41.3	60.3	60.3	60.3	78	60.3	60.3
10	1.5	60.3	60.3	60.3	60.3	60.3	67.9	60.3	60.3
100	1.6	60.3	41.3	60.3	60.3	60.3	77.9	60.3	60.3
100	27.9	60.3	60.3	11.3	1.3	1.8	21.8	60.3	60.3
100	30.2	37.1	30.1	2.9	NC	10.8	16.3	30.1	30.1
100	61.3	70.8	30.8	NC	NC	10.7	70.8	30.8	30.8

(Berechnungen zu 100 MHz, typischer, Standard-Gate-Wert zu 100 MHz)

Produktionsdaten		Physikalische Spezifikationen	
Produktname	Protein-Gelatin-Matrix (PGM)	Material	Polylactide (PLA) / Polycaprolactone (PCL)
Hersteller	Bio-Tech Solutions GmbH	Farbe	Transparenz (klar bis milchig)
Produktionsdatum	2023-10-27	Form	Rechteckig (10x10x2 mm)
Batch-Nummer	BTG-2023-10-27-001	Verpackung	10 Stück pro Packung
Spezifikationen	Dicke: 2 mm Länge: 10 cm Breite: 10 cm Gewicht: 0,2 g	Festigkeit (Tensile Strength)	10 MPa
		Dehnung (Elongation at Break)	100%
		Dichte	1,2 g/cm³
Chemische Eigenschaften		Mechanische Eigenschaften	
Hauptbestandteile	Gelatine, Gelatin	Zugfestigkeit	10 MPa
Molekulargewicht	100.000 g/mol	Bruchdehnung	100%
Viskosität	100 cP	Dichte	1,2 g/cm³
pH-Wert	7,0		
Stabilität	Stabil bei 4°C		
Verpackung	10 Stück pro Packung		
Spezifikationen	Dicke: 2 mm Länge: 10 cm Breite: 10 cm Gewicht: 0,2 g		
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