

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.

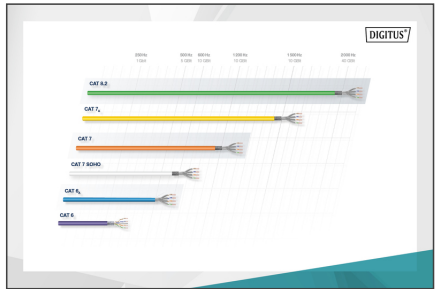
Future-oriented standards and high-end quality for your network.

- 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)	cm ³
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



Leistungsdaten Transceiver Properties									
Model	AT	NEAT	PM-NEAT	AGS	PM-AGS	RL	ELNET	PM-ELNET	
MTX	48	48	48	48	48	48	48	48	48
1	1.1	60.3	40.3	60.3	40.3	60.3	70	60.3	60
10	1.5	80.3	60.3	80.4	60.4	80.4	70	67.9	60
100	18	46.3	4.3	36.3	26.3	36.3	30.1	27.9	34.9
100	27.9	30.8	30.8	12.1	4.3	18	21.9	18.1	
300	34.2	37.1	36.1	2.9	NC	30.8	36.3	36.3	
500	40.3	35.8	30.8	NC	NC	30.7	35.8	30.8	

(Sollleistungsdaten 100 MHz, 100 MHz, 100 MHz, 100 MHz, 100 MHz, 100 MHz, 100 MHz, 100 MHz, 100 MHz, 100 MHz)

Produktionsdaten		Physikalische Spezifikationen / Physical Properties	
Material	Polycarbonate (PC) / Polycarbonate	Color	Transparent / Clear
Dimensions (L x W x H)	150 mm x 100 mm x 5 mm	Weight	~120 g
Weight	~120 g	Thickness	5 mm
Surface Finish	Matte / Glossy	Impact Resistance	High
Temperature Range	-40°C to 120°C	UV Resistance	Good
Chemische Eigenschaften / Chemical Properties		Mechanische Eigenschaften / Mechanical Properties	
Chemical Resistance	Good	Tensile Strength	~70 MPa
Flammability	Self-extinguishing	Elongation at Break	~10%
Hardness	~100 Shore D	Impact Strength	~10 kJ/m²
Modulus	~2.3 GPa	Flexural Modulus	~2.3 GPa
Thermal Expansion	~60 ppm/K	Thermal Stability	Good
Electrical Properties	Good	Electrical Resistance	High
Dielectric Constant	~3.0	Dielectric Loss	Low
Volume Resistance	~10¹² Ω·cm	Surface Resistance	~10¹¹ Ω
Surface Resistance	~10¹¹ Ω	Volume Resistance	~10¹² Ω·cm
Thermal Conductivity	~0.2 W/m·K	Thermal Conductivity	~0.2 W/m·K
Thermal Expansion	~60 ppm/K	Thermal Expansion	~60 ppm/K
Thermal Stability	Good	Thermal Stability	Good
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Thermal Stability	Good	Thermal Stability	Good
Thermal Conductivity	~0.2 W/m·K	Thermal Conductivity	~0.2 W/m·K
Thermal Expansion	~60 ppm/K	Thermal Expansion	~60 ppm/K
Thermal Stability	Good	Thermal Stability	Good
Thermal Conductivity	~0.2 W/m·K	Thermal Conductivity	~0.2 W/m·K
Thermal Expansion	~60 ppm/K	Thermal Expansion	~60 ppm/K
Thermal Stability	Good	Thermal Stability	Good
Thermal Conductivity	~0.2 W/m·K	Thermal Conductivity	~0.2 W/m·K
Thermal Expansion	~60 ppm/K	Thermal Expansion	~60 ppm/K
Thermal Stability	Good	Thermal Stability	Good
Thermal Conductivity	~0.2 W/m·K	Thermal Conductivity	~0.2 W/m·K
Thermal Expansion	~60 ppm/K	Thermal Expansion	~60 ppm/K
Thermal Stability	Good	Thermal Stability	Good
Thermal Conductivity	~0.2 W		

