

DIGITUS® Cat.6A U/FTP installation cable, 500 m, simplex, B2ca

DK-1626-A-VH-5

EAN 4016032441847



CAT 6A U-FTP installation cable, 500 MHz B2ca (EN 50575), AWG 23/1, 500 m drum,

The Digitus® Cat.6A U/FTP 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 B2ca . 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 50288-10-1.

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
- Total number of insulated conductors: 8, twisted in 4 pairs
- Color code: Blue-white, orange-white, green-white, brown-white
- Individual pair shielding: Aluminum foil, providing 100 % coverage
- Overall shielding: None, with drain wire
- Outer sheath: Eca to B2ca acc. to EN 50575; LSZH
- 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): 7.0 (Eca); 7,2 mm (Dca); 7,6 mm (Cca); 7,6 mm (B2ca)
- Weight (kg/km): 56 kg (Eca); 57 kg (Dca); 58 kg (Cca); 58 kg (B2ca)
- Electrical properties:
- Impedance: 100±15 Ohm @ 4 - 100MHz; 100±25 Ohm @100-500 MHz
- Capacitance: 45 pF/m nominal @ 1KHz
- Capacitance unbalance (pair-ground): 1.6 pF/m max. @ 1 KHz
- Insulation resistance: 5 GOhm x km min.
- DC loop resistance: 190 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: 15 nS/100 m max.
- Separating class: "c" acc. to EN 50174-2
- NVP: 70%

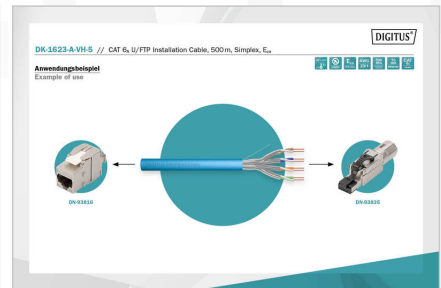
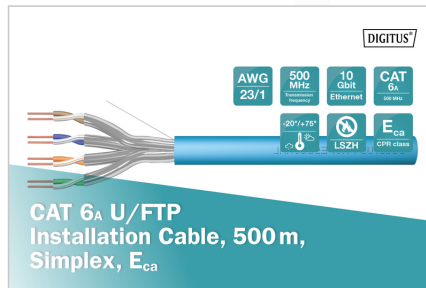
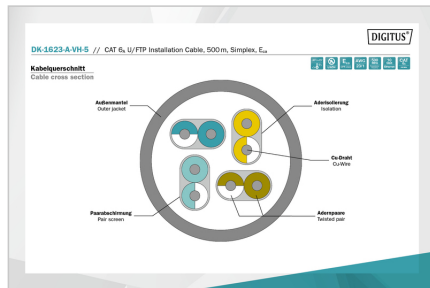
Attributes

- Assortment: Twisted Pair Installation Cables
- Category: CAT 6A
- Shielding: U-FTP, pairs in metal foil
- CPR: B2ca
- Length: 500 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	28.00	40.00	30.00	30.00	36,000.00
Packaging Unit Inside	1	28.00	40.00	30.00	30.00	36,000.00
Packaging Unit Single	1	28.00	40.00	30.00	30.00	36,000.00
Net single without Packaging	1	0.00	0.00	0.00	0.00	0.00

More images:



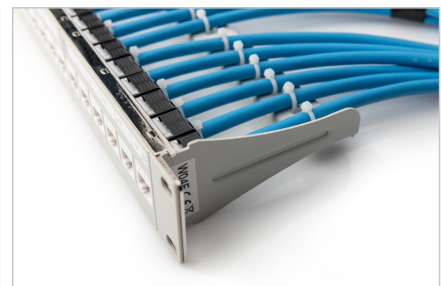
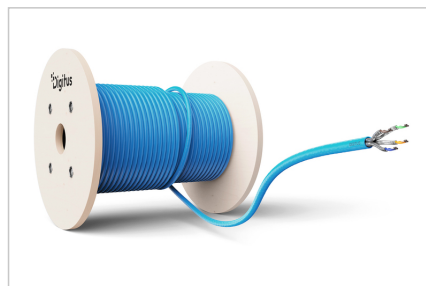
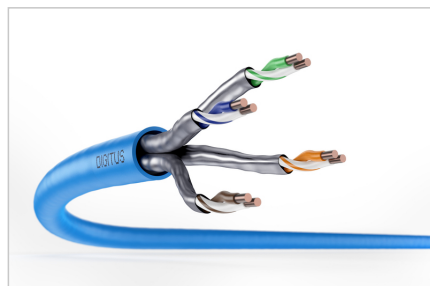
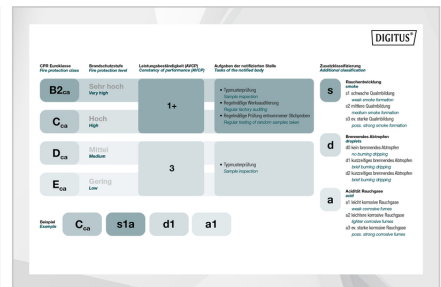
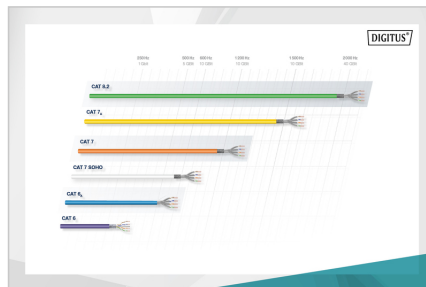
Produktinformation Product Information	Physikalische Spezifikationen Physical Properties
Hersteller/Manufacturer: Digitus (China) Modellnummer/Model Number: DK.1823-A-VH-5 Material/Material: PVC Farbe/Color: Blue Abmessungen/Dimensions: 12.5mm x 1.5mm x 0.8mm Gewicht/Weight: 0.15kg/m	Typ/Type: CAT 6A U/FTP Leitung/Conductor: 4x 23 AWG Isolation/Insulation: PVC Abmessungen/Dimensions: 12.5mm x 1.5mm x 0.8mm Gewicht/Weight: 0.15kg/m
Elektrische Eigenschaften Electrical Properties Impedanz/Impedance: 100Ω Leistung/Power: 10W Temperatur/Temperature: -40°C to +75°C Feuchtigkeit/Moisture: 95% RH Lebensdauer/Lifespan: 10 years	Mechanische Eigenschaften Mechanical Properties Bruchdehnung/Break Elongation: 100% Bruchkraft/Break Force: 10N Bruchenergie/Break Energy: 10J Bruchzeit/Break Time: 10s

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Leistungseigenschaften Transmission Properties

PROG.	ATE	MEET	PR-MEET	ACH	PR-ACH	IN	EL-TEST	PER-TEST
10G	100	100	100	100	100	100	100	100
1	13	16	10	10	100	20	16	10
10	13	16	17	143	100	20	16	16
100	163	16	10	163	163	163	16	16
100	163	16	10	163	163	133	16	17
100	163	17	16	137	127	102	16	16

Realisierung für 100 Gbit/s gemäß Standard der IEC 60753-2



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.
- For indoor cables (LSZH jacket): Suitable only for installation in dry indoor environments.
- 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.

ASSMANN Electronic GmbH

Auf dem Schüffel 3

Lüdenscheid, Germany

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