

DIGITUS® CAT 6A U/FTP installation cable, 100 m, simplex, Dca

DK-1624-A-VH-1

EAN 4016032344131



CAT 6A U-FTP installation cable, 500 MHz Dca (EN 50575), AWG 23/1, 100 m paper box,

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 Dca . 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: Dca
- Length: 100 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	5.10	33.00	33.00	12.00	13,068.00
Packaging Unit Inside	1	5.10	0.00	0.00	0.00	0.00
Packaging Unit Single	1	5.10	33.00	33.00	12.00	13,068.00
Net single without Packaging	1	4.81	33.00	33.00	12.00	13,068.00

More images:

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Leistungsmerkmale Transmission Properties									
AWG	WT	MSZ	TRMSZ	MS	TRMS	SL	MSZT	TRMSZT	
1	23	36	45	55	63	75	85	95	105
16	30	38	47	56	65	75	85	95	105
18	30	38	47	56	65	75	85	95	105
20	30	38	47	56	65	75	85	95	105
22	30	38	47	56	65	75	85	95	105
24	30	38	47	56	65	75	85	95	105
26	30	38	47	56	65	75	85	95	105
28	30	38	47	56	65	75	85	95	105
30	30	38	47	56	65	75	85	95	105

Informationen zu 100 MHz gesch. (maximaler Wert) sind in der Tabelle nicht enthalten.

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AWG 23/1 500 MHz Transmission 10 Gbit Ethernet CAT 6a

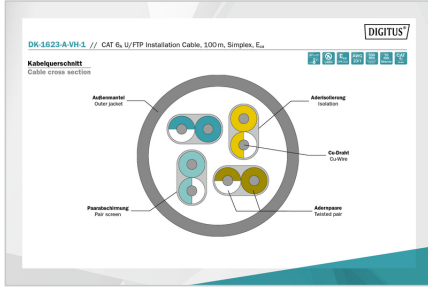
20°/+75° LSZH Eca CFR class

CAT 6a U/FTP Installation Cable, 100 m, Simplex, E_{ca}

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Anwendungsbeispiel
Example of use



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Produktdaten Product Information		Physikalische Spezifikationen Physical Properties	
Produktname: CAT 6a U/FTP Installation Cable, 100m, Simplex, Eca	Hersteller: Digitus	Material: Polyethylene (PE) Jacket, Copper Conductors	Shielding: Shielded (FTP)
Teilenummer: DK-1823-A-VH-1	Produkttyp: Netzwerkkabel	Lebensdauer: 10 Jahre	Temperaturbereich: -20°C bis +75°C
Abmessungen: 100m Länge, 10mm Durchmesser	Farbe: Blau	Flammverhalten: LSZH (Low Smoke Zero Halogen)	Wasserbeständigkeit: Ja
Verpackung: 100m pro Spule	Umweltbedingungen: Indoor/Outdoor	Elektrische Eigenschaften: CAT 6a Standard	Mechanische Eigenschaften: Biegehalbfähig

Intertek

ETL Verified Certificate of Conformance Number: 1818220002-011

Product Name: CAT 6a U/FTP Installation Cable, 100m, Simplex, Eca

Model and Part Number: DK-1823-A-VH-1

Manufacturer: Digitus

Approved By: [Signature]

Approved On: [Date]

Approved For: [Product]

Approved At: [Location]

Approved For: [Product]

Approved On: [Date]

Approved For: [Product]

Approved At: [Location]

GHMT

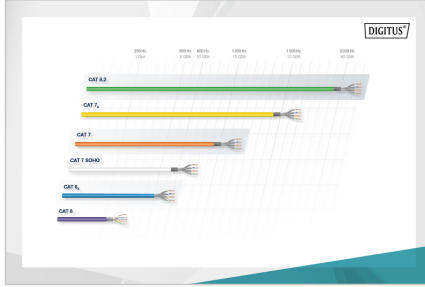
Certificate No. 181822-011

Category 6a

Zertifikat Nr. 181822-011

Kategorie 6a

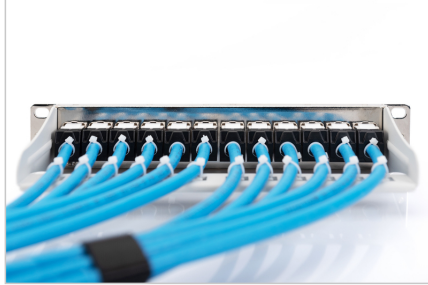
GHMT Type Approval



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Category	Shielding	Performance	Applications
B2ca	Very High	1+	• Typischerweise für Hochgeschwindigkeitssysteme
Cca	High	3	• Typischerweise für Hochgeschwindigkeitssysteme
Dca	Medium	3	• Typischerweise für Hochgeschwindigkeitssysteme
Eca	Low	3	• Typischerweise für Hochgeschwindigkeitssysteme

Product Features: Cca, stA, d1, a1



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.
- Installation must be in dry rooms.
- 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.

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