

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

DK-1623-A-VH-1

EAN 4016032344117



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

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 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 50288-10-1.

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

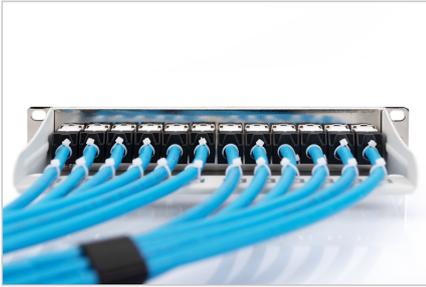
- Installation temperature range: 0 °C up to +50 °C
- Overall diameter Simplex (nominal): 7.0 (Eca); 7,2 mm (Dca); 7,6 mm (Cca); 7,6 mm (B2ca)
- Weight (kg/km): 56 kg (Eca); 57 kg (Dca); 58 kg (Cca); 58 kg (B2ca)
- Electrical properties:
- Impedance: 100±15 Ohm @ 4 - 100MHz; 100±25 Ohm @100-500 MHz
- 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: Eca
- 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	32.00	11.00	11,616.00
Packaging Unit Inside	1	5.10	33.00	32.00	11.00	11,616.00
Packaging Unit Single	1	5.10	33.00	32.00	11.00	11,616.00
Net single without Packaging	1	0.00	0.00	0.00	0.00	0.00

More images:



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AWG 23/1
500 MHz
10 Gbit Ethernet
CAT 6a
Eca class
LSZH
207/75°

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

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DK-1623-A-VH-1 // CAT 6, U/FTP Installation Cable, 100m, Simplex, Eca

Anwendungsbeispiel
Example of use

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Kabelquerschnitt
Cable cross section

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Produktdatenblatt / Product Information	Physikalische Spezifikationen / Physical Properties
Herstellername / Manufacturer: Digitus (China) Limited, No. 100, Zhongshan Road, Shenzhen, Guangdong, P.R. China	Typ: CAT 6a U/FTP Installation Cable, 100m, Simplex, Eca
Teilenummer / Part Number: DK-1623-A-VH-1	Material: PVC
Produkttyp / Product Type: CAT 6a U/FTP Installation Cable, 100m, Simplex, Eca	Standard: ISO/IEC 61904-3, ISO/IEC 11801-3, ANSI/TIA-568-C.0, ANSI/TIA-568-C.2, ANSI/TIA-568-C.3, ANSI/TIA-568-C.4, ANSI/TIA-568-C.5, ANSI/TIA-568-C.6, ANSI/TIA-568-C.7, ANSI/TIA-568-C.8, ANSI/TIA-568-C.9, ANSI/TIA-568-C.10, ANSI/TIA-568-C.11, ANSI/TIA-568-C.12, ANSI/TIA-568-C.13, ANSI/TIA-568-C.14, ANSI/TIA-568-C.15, ANSI/TIA-568-C.16, ANSI/TIA-568-C.17, ANSI/TIA-568-C.18, ANSI/TIA-568-C.19, ANSI/TIA-568-C.20, ANSI/TIA-568-C.21, ANSI/TIA-568-C.22, ANSI/TIA-568-C.23, ANSI/TIA-568-C.24, ANSI/TIA-568-C.25, ANSI/TIA-568-C.26, ANSI/TIA-568-C.27, ANSI/TIA-568-C.28, ANSI/TIA-568-C.29, ANSI/TIA-568-C.30, ANSI/TIA-568-C.31, ANSI/TIA-568-C.32, ANSI/TIA-568-C.33, ANSI/TIA-568-C.34, ANSI/TIA-568-C.35, ANSI/TIA-568-C.36, ANSI/TIA-568-C.37, ANSI/TIA-568-C.38, ANSI/TIA-568-C.39, ANSI/TIA-568-C.40, ANSI/TIA-568-C.41, ANSI/TIA-568-C.42, ANSI/TIA-568-C.43, ANSI/TIA-568-C.44, ANSI/TIA-568-C.45, ANSI/TIA-568-C.46, ANSI/TIA-568-C.47, ANSI/TIA-568-C.48, ANSI/TIA-568-C.49, ANSI/TIA-568-C.50, ANSI/TIA-568-C.51, ANSI/TIA-568-C.52, ANSI/TIA-568-C.53, ANSI/TIA-568-C.54, ANSI/TIA-568-C.55, ANSI/TIA-568-C.56, ANSI/TIA-568-C.57, ANSI/TIA-568-C.58, ANSI/TIA-568-C.59, ANSI/TIA-568-C.60, ANSI/TIA-568-C.61, ANSI/TIA-568-C.62, ANSI/TIA-568-C.63, ANSI/TIA-568-C.64, ANSI/TIA-568-C.65, ANSI/TIA-568-C.66, ANSI/TIA-568-C.67, ANSI/TIA-568-C.68, ANSI/TIA-568-C.69, ANSI/TIA-568-C.70, ANSI/TIA-568-C.71, ANSI/TIA-568-C.72, ANSI/TIA-568-C.73, ANSI/TIA-568-C.74, ANSI/TIA-568-C.75, ANSI/TIA-568-C.76, ANSI/TIA-568-C.77, ANSI/TIA-568-C.78, ANSI/TIA-568-C.79, ANSI/TIA-568-C.80, ANSI/TIA-568-C.81, ANSI/TIA-568-C.82, ANSI/TIA-568-C.83, ANSI/TIA-568-C.84, ANSI/TIA-568-C.85, ANSI/TIA-568-C.86, ANSI/TIA-568-C.87, ANSI/TIA-568-C.88, ANSI/TIA-568-C.89, ANSI/TIA-568-C.90, ANSI/TIA-568-C.91, ANSI/TIA-568-C.92, ANSI/TIA-568-C.93, ANSI/TIA-568-C.94, ANSI/TIA-568-C.95, ANSI/TIA-568-C.96, ANSI/TIA-568-C.97, ANSI/TIA-568-C.98, ANSI/TIA-568-C.99, ANSI/TIA-568-C.100

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Leitungsgruppencharakteristiken / Transmission Properties

Strecke / Length	Att / Att	MC / MC	PS MC / PS MC	AM / AM	PL / PL	DL / DL	SE / SE	PS SE / PS SE
1	3.1	0.6	0.6	0.6	0.6	0.6	0.6	0.6
10	3.1	0.6	0.6	0.6	0.6	0.6	0.6	0.6
100	3.1	0.6	0.6	0.6	0.6	0.6	0.6	0.6
1000	3.1	0.6	0.6	0.6	0.6	0.6	0.6	0.6

Intertek

ETL Verified Certificate of Conformance Number: 194229903P-001

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

Approved by: Intertek

GHMT

Certificate No. 19884a-21

Zertifikat No. 19884a-21

Category 6e

Category 6e

GHMT Type Approval

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Performance comparison table:

Category	Performance	Number of Pairs	Shielding
B2cat	Sehr hoch / Very High	1+	• Typischerweise • Full-Shield-Verdrillung • Full-Shield-Verdrillung
Ccat	Hoch / High	2	• Typischerweise • Full-Shield-Verdrillung • Full-Shield-Verdrillung
Dcat	Mittel / Medium	3	• Typischerweise • Full-Shield-Verdrillung • Full-Shield-Verdrillung
Ecat	Gering / Low	4	• Typischerweise • Full-Shield-Verdrillung • Full-Shield-Verdrillung



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 only 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.

ASSMANN Electronic GmbH
Auf dem Schüffel 3
Lüdenscheid, Germany
<https://www.assmann.com>
info@assmann.com