

DIGITUS® CAT 6A U/FTP installation cable, 305 m, simplex, Eca

DK-1623-A-VH-305
EAN 4016032344124



CAT 6A U-FTP installation cable, 500 MHz Eca (EN 50575), AWG 23/1, 305 m drum, 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 copper wire, AWG 23/1
- System(s) for the assessment and verification of constancy of performance: System 3
- Total number of insulated conductors: 8, twisted into 4 pairs
- Color code: Blue-white, orange-white, green-white, brown-white
- Shielding of the individual pairs: Aluminum-laminated polyester film, covers 100%
- Outer sheath: Eca to B2ca in accordance with EN 50575; LSZH
- Outer sheath thickness (nominal): 0.5 mm (Eca); 0.6 mm (Dca); 0.8 mm (Cca); 0.8 mm (B2ca)
- Outer casing color: Light blue (RAL 5012)
- Mechanical properties:
- Strain relief: 150N max.
- Dynamic bending radius: 8x AD mm min.
- Static bending radius: 4x AD mm min.
- Transport and storage temperature range: -20 °C to +60 °C

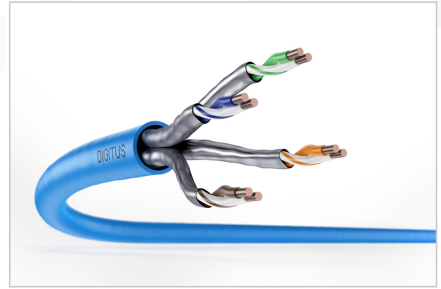
- Operating temperature range: -20 °C to +75 °C
- Installation temperature range: 0 °C to +50 °C
- Outer diameter: 7.0 mm (Eca); 7.2 mm (Dca); 7.6 mm (Cca); 7.6 mm (B2ca)
- Weight (kg/km): 56 kg (Eca); 57 kg (Dca); 58 (Cca); 58 kg (B2ca)
- Electrical properties:
- Impedance: 100±15 Ohm @ 4 - 100MHz; 100±25 Ohm @ 100-500 MHz;
- Capacitance: 45 pF/m nominal @ 1KHz
- Capacitance unbalance (pair-earth): 1.6 pF/m max. @ 1 KHz
- Insulation resistance: 5 GOhm x km min.
- Loop resistance: 190 Ohm/km max. (2% max. unbalanced resistance)
- Operating voltage: 72 Vdc max.
- Coupling attenuation: CA-Type 2
- Phase delay: 450 nS/100 m max.
- Time delay: 25 nS/100 m max.
- Separation class: "c" according to EN 50174-2
- NVP: 70%

Attributes

- Asortiman: Instalacijski kabeli s upredenim paricama
- Kategorija: CAT 6A
- Oklop: U-FTP, parovi u metalnoj foliji
- CPR: Eca
- Duljina: 305 m
- Boja: svijetlo plavi
- Kapica: LSOH
- Struktura: 4 x 2 AWG 23/1, kruto upletena parica

Logistics						
	Number (pcs)	Weight (kg)	Depth (cm)	Width (cm)	Height (cm)	cm ³
Packaging Unit Carton	1	14.96	37.00	37.00	22.00	30.12
Packaging Unit Inside	1	14.96	37.00	37.00	22.00	30.12
Packaging Unit Single	1	14.96	37.00	37.00	22.00	30.12
Net single without Packaging	0	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
LSZH
Eca
CPL class

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Anwendungsbeispiel
Example of use

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Kabelquerschnitt
Cable cross section

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Produktdaten / Product Information	Physikalische Spezifikationen / Physical Properties
Produktname / Product Name: CAT 6a U/FTP Installation Cable, 305 m, Simplex, Eca	Typ / Type: CAT 6a U/FTP Installation Cable
Produktbeschreibung / Product Description: CAT 6a U/FTP Installation Cable, 305 m, Simplex, Eca	Material / Material: Polyethylene (PE) jacket, twisted pairs of copper conductors
Technische Eigenschaften / Technical Properties: CAT 6a U/FTP Installation Cable, 305 m, Simplex, Eca	Leistungseigenschaften / Performance Properties: CAT 6a U/FTP Installation Cable, 305 m, Simplex, Eca
Abmessungen / Dimensions: CAT 6a U/FTP Installation Cable, 305 m, Simplex, Eca	Umweltbedingungen / Environmental Conditions: CAT 6a U/FTP Installation Cable, 305 m, Simplex, Eca
Zusätzliche Informationen / Additional Information: CAT 6a U/FTP Installation Cable, 305 m, Simplex, Eca	Normen / Standards: CAT 6a U/FTP Installation Cable, 305 m, Simplex, Eca

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Leistungseigenschaften / Performance Properties

Parameter	Unit	Value
Attenuation	dB/100m	20.0
Return Loss	dB	15.0
Insertion Loss	dB	1.0
Shielding Effectiveness	dB	100.0
Conductivity	S/m	5.8
Resistivity	Ω·m	0.17
Dielectric Constant	-	2.3
Dielectric Loss	-	0.001
Temperature Coefficient	1/°C	0.001
Thermal Conductivity	W/m·K	0.4
Thermal Expansion Coefficient	1/°C	0.0001
Thermal Shock Resistance	°C	100
Thermal Stability	°C	100
Thermal Shock Resistance	°C	100
Thermal Stability	°C	100

Intertek

ETL Verified Certificate of Conformance Number: 19422993CF-001

Product Description: CAT 6a U/FTP Installation Cable, 305 m, Simplex, Eca

Model: CAT 6a U/FTP Installation Cable, 305 m, Simplex, Eca

Manufacturer: Digitus Electronics Co., Ltd.

Location: Shenzhen, China

Issue Date: 2023-12-15

Valid Until: 2025-12-15

Signature: [Signature]

GHMT

Certificate No. 1988A-21

Category 6e

Zertifikat No. 1988A-21

Kategorie 6e

GHMT Type Approval

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Category	Shielding	Performance	Applications
B2cat	None	1+	• Typischerweise für Netzwerke mit geringen Anforderungen an die Bandbreite und die Distanz.
Ccat	None	2	• Typischerweise für Netzwerke mit mittleren Anforderungen an die Bandbreite und die Distanz.
Dcat	None	3	• Typischerweise für Netzwerke mit hohen Anforderungen an die Bandbreite und die Distanz.
Ecat	None	3	• Typischerweise für Netzwerke mit hohen Anforderungen an die Bandbreite und die Distanz.

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.

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