

# DIGITUS® CAT 6 F/UTP installation cable, 305 m, simplex, Dca

DK-1624-VH-305

EAN 4016032441991



## CAT 6 F-UTP installation cable, 250 MHz AWG 23/1, Dca, 305 m, drum, simplex, purple

The Digitus Cat 6 F/UTP installation cable is designed for use in the structured data center and the building cabling according to ISO/IEC 11801, DIN EN 50288-5-1, DIN EN 50173, IEC 60332-1. The cable is perfectly suitable for the transmission of both analog and digital data and also supports POE and POE+.

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

- Physical properties:
- Basic conductor: Solid AWG 23/1, bare annealed copper, diameter 0.57 mm nominal
- System/s of AVCP: AVCP 3
- Insulation: HD-PE
- 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: Aluminum foil, providing 100% coverage, drain wire
- Outer jacket: Halogen-free (FRNC-B/LSZH-1)
- Outer jacket diameter: 0.50 mm nominal
- Color: Purple (RAL 4005)
- 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: 7.0 mm nominal
- Flame retardancy: IEC 60332-1
- Halogen-free & smoke-proof: IEC 60754-2 & IEC 61034
- Fire load: 295 MJ/km
- Electrical properties:
- Mean impedance: 100±50Ωm at 1MHz - 600MHz
- Capacitance: 48 pF/m nominal @ 800 Hz
- Capacitance unbalance (pair-ground): 1.5 pF/m max. @ 1 KHz
- Insulation resistance: 5 GΩm x km min.
- DC loop resistance: 147 Ωm/km max. (2% max. resistance unbalance)
- Voltage resistance: 72 Vdc max.
- Coupling attenuation: 40 dB
- Signal propagation delay: 535 nS/100 m max.
- Propagation delay: 20 nS/100 m max.
- NVP: 69%

### Attributes

- Asortiman: Instalacijski kabeli s upredenim paricama
- Kategorija: CAT 6
- Oklop: F-UTP, oklop od folije
- CPR: Dca
- Duljina: 305 m
- Boja: ljubičasti
- Kapica: LSOH
- Struktura: 4 x 2 AWG 23/1, kruto upletena parica

Logistics						
	Number (pcs)	Weight (kg)	Depth (cm)	Width (cm)	Height (cm)	cm <sup>3</sup>
Packaging Unit Carton	1	19.00	39.50	38.00	27.50	41,277.50
Packaging Unit Inside	1	19.00	39.50	38.00	27.50	41,277.50
Packaging Unit Single	1	19.00	39.50	38.00	27.50	41,277.50
Net single without Packaging	0	0.00	0.00	0.00	0.00	0.00

More images:

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FFR Evaluation: B2ca, Cca, Dca, Eca

Bestandteile: Solid hoch Very high, Hoch High, Mittel Medium, Gering Low

Lebensdauer/Lebenszeit: 1+, 3

Adaption für konfigurierbare Netzwerke: 1+, 3

Zusatzfunktionen: S, d, a

Hersteller: Cca, s1a, d1, a1

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CAT 5E, CAT 6, CAT 6A, CAT 7, CAT 7A, CAT 8, CAT 8A

**Intertek**

ETL Verifed Certificate of Conformance Number: 161526103T-010

Model: CAT 6 F/UTP Installation Cable, 305 m, Simplex, Eca

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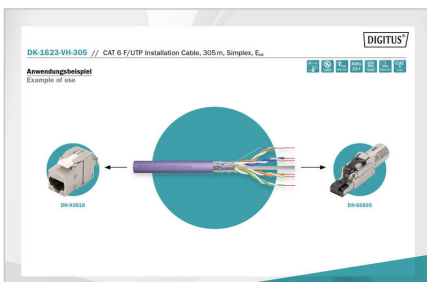
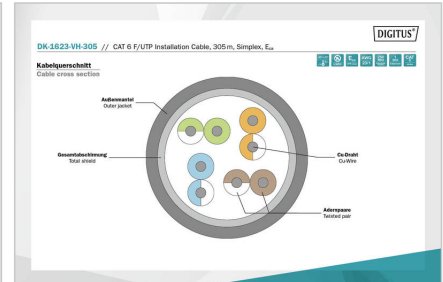
Leistungseigenschaften Transmission Properties

FRF	FFR	FFR	FFR	FFR	FFR	FFR	FFR	FFR	FFR
1	21	72	72	72	82	20	18	18	18
2	18	82	82	82	82	20	18	18	18
3	18	82	82	82	82	20	18	18	18
4	18	82	82	82	82	20	18	18	18
5	18	82	82	82	82	20	18	18	18
6	18	82	82	82	82	20	18	18	18
7	18	82	82	82	82	20	18	18	18
8	18	82	82	82	82	20	18	18	18
9	18	82	82	82	82	20	18	18	18
10	18	82	82	82	82	20	18	18	18

Information to 100 MHz point (within cable length to 100 MHz)

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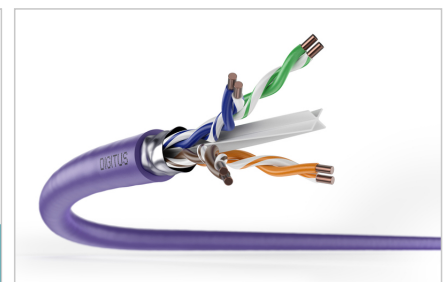
Produktbeschreibung Product Information		Physikalische Spezifikationen Physical Properties		
Produktname	Model: CAT 6 F/UTP Installation Cable, 305 m, Simplex, Eca	Teilenummer	600-10000-001	
Hersteller	Digitus Electronics Corp.	Produkttyp	Cable	
Material	PVC Jacket, Shielded, Plenum, Low Smoke, Zero Halogen	Leitungstyp	Shielded Twisted Pair	
Normen	ANSI/TIA-568-C.0, ISO/IEC 11801, IEC 61158-2, IEC 61082-1, IEC 61082-2	Leitungskategorie	CAT 6	
Elektrische Eigenschaften Electrical Properties	Impedanz	100 ± 0.5 Ohm	Leitungsdämpfung	≤ 2.0 dB/100m @ 100 MHz
Mechanische Eigenschaften Mechanical Properties	Leitungslänge	305 m	Leitungsdurchmesser	10.4 ± 0.1 mm



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AWG 23/1, 250 MHz, 1 Gbit Ethernet, CAT 6, 20°/70°, LSZH, Eca, CPR class

CAT 6 F/UTP Installation Cable, 305 m, Simplex, Eca



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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