

DIGITUS® CAT 6 F/UTP installation cable, 100 m, simplex, B2ca

DK-1626-VH-1

EAN 4016032442042



CAT 6 F-UTP installation cable, 250 MHz B2ca (EN 50575), AWG 23/1, 100 m paper box,

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:
- Conductor: Bare annealed copper, solid AWG 23/1
- System/s of AVCP: AVCP 3
- Insulation: HD-PE (High Density Polyethylene)
- 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 sheath: Eca to B2ca acc. to EN 50575; LSZH
- Outer sheath diameter (nominal): 0.5 mm (Eca); 0,6 mm (Dca); 0,8 mm (Cca); 0,08 mm (B2ca)
- Outer sheath color: Purple
- 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

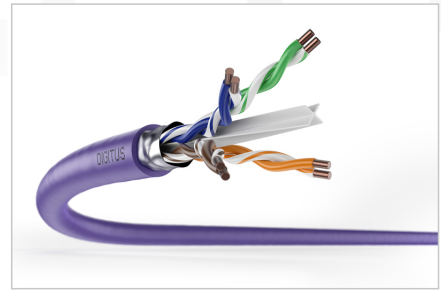
- Installation temperature range: 0 °C up to +50 °C
- Overall diameter Simplex (nominal): 7.0 (Eca); 7,2 mm (Dca); 7,6 mm (Cca); 7,6 mm (B2ca)
- Weight (kg/km): 46 kg (Eca); 47 kg (Dca); 48,5 kg (Cca); 48,5 kg (B2ca)
- Electrical properties:
- Impedance: 100±5 Ohm @ 1-250 MHz
- Capacitance: 45 pF/m nominal @ 800 Hz
- Capacitance unbalance (pair-ground): 1.5 pF/m max. @ 1 KHz
- Insulation resistance: 5 GOhm x km min.
- DC loop resistance: 147 Ohm/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.
- Separating class: „c” acc. to EN 50174-2
- NVP: 69%

Attributes

- Asortiman: Instalacijski kabeli s upredenim paricama
- Kategorija: CAT 6
- Oklop: F-UTP, oklop od folije
- CPR: B2ca
- Duljina: 100 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 ³ |
| Packaging Unit Carton | 1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Packaging Unit Inside | 1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Packaging Unit Single | 1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Net single without Packaging | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

More images:



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AWG 23/1 | 250 MHz | 1 Gbit Ethernet | CAT 6 | 100 m | LSZH | Eca | CPRI class

CAT 6 F/UTP Installation Cable, 100 m, Simplex, Eca

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Anwendungsbeispiel
Example of use

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Kabelquerschnitt
Cable cross section

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| Produktinformationen / Product Information | Physikalische Spezifikationen / Physical Properties |
|---|--|
| Bestandteile / Components: 100m CAT 6 F/UTP Installation Cable, 100m CAT 6 F/UTP Installation Cable, 100m CAT 6 F/UTP Installation Cable, 100m CAT 6 F/UTP Installation Cable | Material: Polyester / Polyester |
| Technische Eigenschaften / Technical Properties: Kategorie / Category: CAT 6 Leistungsfähigkeit / Performance: 10 Gbit/s Lebensdauer / Lifetime: 10 Jahre / 10 years | Temperaturbereich / Temperature Range: Betriebsbereich / Operating Range: -40°C bis +75°C Lagerbereich / Storage Range: -20°C bis +60°C |
| Umweltbedingungen / Environmental Conditions: Feuchtigkeit / Humidity: 10-90% Schwingung / Vibration: 10-200 Hz | Abmessungen / Dimensions: Cable Diameter: 10.5 mm Cable Length: 100 m |

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Leistungsmerkmale / Performance Characteristics

| Standard | AWG | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 |
|----------|-----|----|----|----|----|----|----|----|----|
| 100 MHz | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 |
| 200 MHz | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 |
| 300 MHz | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 |
| 400 MHz | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 |
| 500 MHz | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 |
| 600 MHz | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 |
| 700 MHz | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 |
| 800 MHz | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 |
| 900 MHz | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 |
| 1000 MHz | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 |

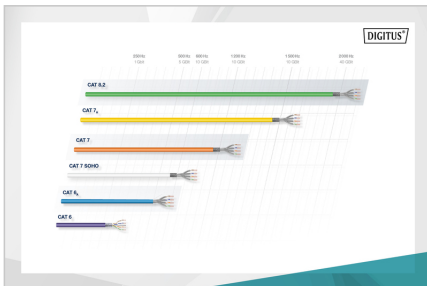
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ETL Verified Category 6 Customers Number: 1615281007-0010

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CEP-Bestimmungen / CEP Requirements

| Bestimmung / Requirement | Bestimmung / Requirement | Bestimmung / Requirement | Bestimmung / Requirement |
|--------------------------|--------------------------|--------------------------|--------------------------|
| B2, Cb | 1+ | 3 | 1 |
| D, Eca | 3 | 3 | 1 |



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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