

DIGITUS CAT 7 S/FTP installation cable, 1000 m, simplex, Cca

DK-1744-VH-10
EAN 4016032441281



CAT 7 S-FTP installation cable, 1200 MHz Cca (EN 50575), AWG 23/1, 1000m, Simplex, orange

The Digitus Cat 7 installation cable is designed for use in the structured data center and the building cabling according to ISO/IEC 11801, DIN EN 50288-4-1, DIN EN 50173, IEC 60332-3-24, EN 50575. The cable is perfectly suitable for the transmission of both analog and digital data and also supports POE and POE+. The shielding structure is composed of single shielded pairs with a tinned copper braid, which ensures excellent shielding and electrical values.

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

- Physical properties:
- Conductor: Bare copper wire, AWG 23/1
- Insulation: SFS-PE (foamed polyethylene jacket)
- 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%
- Overall shielding: copper braiding
- Outer sheath: Eca to B2ca in accordance with EN 50575; LSZH
- Outer sheath thickness (nominal): 0.50 mm (Eca); 0.52 mm (Dca); 0.60 mm (Cca); 0.60 (B2ca)
- Color: Orange (RAL 2008)
- 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 +75 °C
- Operating temperature range: -20 °C to +50 °C

- Installation temperature range: 0 °C to +50 °C
- Outer diameter simplex (nominal): 7.0 mm (Eca); 7.2 mm (Dca); 7.5 mm (Cca); 7.5 mm (B2ca)
- Weight (kg/km): 49.5 kg (Eca); 51 kg (Dca), 53 kg (Cca); 53 kg (B2ca)
- Electrical properties:
- Impedance: 100±15 Ohm @ 4 - 1000 MHz; 100±25 OHM @ 100-600 MHz
- Capacitance: 45 pF/m nominal @ 1 KHz
- Capacitance unbalance (pair-earth): 1.6 pF/m max. @ 1 KHz
- Insulation resistance: 5 GOhm x km min.
- DC resistance: 95 Ohm/km max. (2% max. unbalanced resistance)
- Loop resistance: 190 Ohm/km max. (2% max. unbalanced resistance)
- Operating voltage: 72 Vdc max.
- Coupling attenuation: CA-Type 1b
- Phase delay: 450 nS/100 m max.
- Time delay: 10 nS/100 m max.
- Separation class: "d" according to EN 50174-2
- NVP: 79%

Attributes

- Assortment: Twisted Pair Installation Cables
- Category: CAT 7
- Shielding: S-FTP, pairs in metal foil and braid shielding
- CPR: Cca
- Length: 1000 m
- Color: orange
- 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 | 53.38 | 54.70 | 54.70 | 36.50 | 109,211.00 |
| Packaging Unit Inside | 1 | 53.38 | 54.70 | 54.70 | 36.50 | 109,211.00 |
| Packaging Unit Single | 1 | 53.38 | 54.70 | 54.70 | 36.50 | 109,211.00 |
| Net single without Packaging | 1 | 53.04 | 54.70 | 54.70 | 36.50 | 109,211.00 |

More images:



CAT 7 S/FTP Installation Cable, 1,000 m, Simplex, C_{ca}

- AWG 23/1
- 1200 MHz
- 10 Gbit Ethernet
- CAT 7 1000 m
- 20°/45°
- LSZH
- C_{ca} CPRI class

DK.1744-VH-S0 // CAT 7 S/FTP Installation Cable, 1000m, Simplex, C_{ca}

Anwendungsbeispiel
Example of use

DK.1744-VH-S // CAT 7 S/FTP Installation Cable, 500m, Simplex, C_{ca}

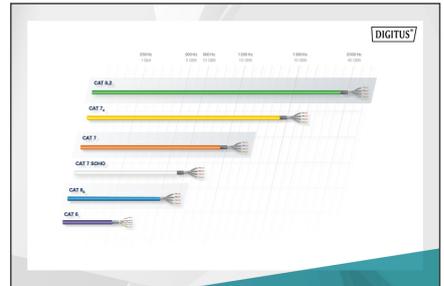
Kabelquerschnitt
Cable cross section

Produktkennlinien Produktinformationen

| Bestellnummer | Produktbeschreibung | Physikalische Spezifikationen / Physical Properties |
|---------------|---|---|
| DK.1744-VH-S0 | CAT 7 S/FTP Installation Cable, 1000m, Simplex, C _{ca} | ... |
| DK.1744-VH-S | CAT 7 S/FTP Installation Cable, 500m, Simplex, C _{ca} | ... |

Leitungsparameter, Transmitter Properties

| PAIRS | MTT | MEET | PE NEXT | AE | AF | PS NEXT | AL | EL | EXTEN | PER NEXT |
|-------|------|------|---------|------|------|---------|------|------|-------|----------|
| 1 | 2 | 3 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 4 | 13 | 9 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 10 | 107 | 124 | 84 | 107 | 107 | 107 | 107 | 107 | 107 | 107 |
| 20 | 307 | 363 | 424 | 304 | 324 | 324 | 324 | 324 | 324 | 324 |
| 30 | 482 | 572 | 662 | 562 | 582 | 582 | 582 | 582 | 582 | 582 |
| 40 | 661 | 804 | 947 | 847 | 867 | 867 | 867 | 867 | 867 | 867 |
| 100 | 1803 | 2172 | 2542 | 2142 | 2162 | 2162 | 2162 | 2162 | 2162 | 2162 |
| 1000 | 784 | 962 | 1142 | 942 | 962 | 962 | 962 | 962 | 962 | 962 |



ERP Codierung

| Bestellnummer | Leitungsparameter (PAIRS) | Abwärtiger oder höherer Daten | Zusammenfassung |
|------------------|---------------------------|-------------------------------|-----------------|
| B2 _{ca} | 2 | + | ... |
| C _{ca} | 3 | + | ... |
| D _{ca} | 4 | + | ... |
| E _{ca} | 5 | + | ... |



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