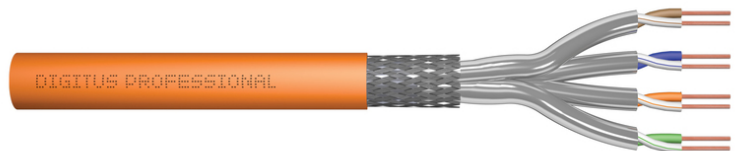


# DIGITUS Cat.7 S/FTP installation cable, 500 m, simplex, Cca-s1a d1 a1

DK-1744-VH-5  
EAN 4016032441731



### CAT 7 S-FTP installation cable, 600 MHz Cca (EN 50575), AWG 23/1, 500 m drum, simplex, or

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.

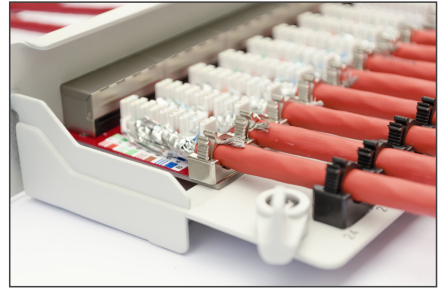
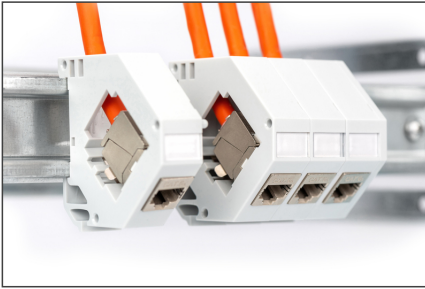
#### Future-oriented standards and high-end quality for your network.

- Physical properties:
- Conductor: Bare annealed copper, solid AWG 23/1
- Insulation: SFS-PE (Foam-Skin Polyethylene)
- 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: Copper braid
- Outer sheath: Cca-s1a d1 a1.acc. to EN 50575; LSZH
- Outer sheath diameter (nominal): 0,50 mm (Eca); 0,52 mm (Dca); 0,60 mm (Cca); 0,60 (B2ca)
- Color: Orange (RAL 2008)
- 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 +50 °C
- Installation temperature range: 0 °C up to +50 °C
- 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-ground): 1.6 pF/m max. @ 1 KHz
- Insulation resistance: 5 GOhm x km min.
- DC resistance: 95 Ohm/km max. (2% max. resistance unbalance)
- DC loop resistance: 190 Ohm/km max. (2% max. resistance unbalance)
- Voltage resistance: 72 Vdc max.
- Coupling attenuation: CA-Type 1b
- Signal propagation delay: 450 nS/100 m max.
- Propagation delay: 10 nS/100 m max.
- Separating class: "d" acc. to EN 50174-2
- NVP: 79%
- Flame spread: EN 60332-3-24 (LSOH-PVC)
- Assortment: Twisted Pair Installation Cables
- Category: CAT 7
- Shielding: S-FTP, pairs in metal foil and braid shielding
- CPR: Cca
- Length: 500 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) | cm <sup>3</sup> |
| Packaging Unit Carton        | 1            | 27.00       | 54.00      | 54.00      | 34.00       | 99.14           |
| Packaging Unit Inside        | 1            | 27.00       | 54.00      | 54.00      | 34.00       | 99.14           |
| Packaging Unit Single        | 1            | 27.00       | 54.00      | 54.00      | 34.00       | 99.14           |
| Net single without Packaging | 0            | 55.00       | 54.00      | 54.00      | 34.00       | 99.14           |

More images:



**CAT 7 S/FTP Installation Cable, 500m, Simplex, C<sub>ca</sub>**

- AWG 23/1
- 1200 MHz
- 10 Gbit Ethernet
- CAT 7 1.000 m
- 20/7+50
- LSZH
- C<sub>ca</sub> CPFL class

**DK.1744-VH-5 // CAT 7 S/FTP Installation Cable, 500m, Simplex, C<sub>ca</sub>**

Anwendungsbeispiel  
Example of use

**DK.1744-VH-10 // CAT 7 S/FTP Installation Cable, 1000m, Simplex, D<sub>ca</sub>**

Kabelquerschnitt  
Cable cross section

**Produktkennlinien Produktinformationen**

| Produktkennlinie | Produktinformationen            | Physikalische Spezifikationen/Physical Properties |
|------------------|---------------------------------|---|
| DK.1744-VH-5     | 500m, Simplex, C <sub>ca</sub>  | ...   |
| DK.1744-VH-10    | 1000m, Simplex, D <sub>ca</sub> | ...   |

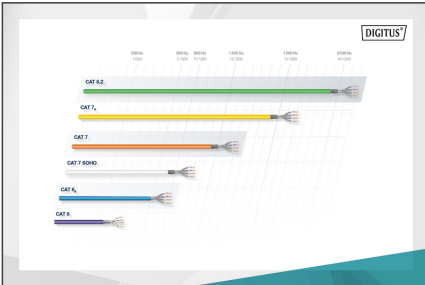
**Leistungseigenschaften/Transmission Properties**

| MHz  | ATT | MEET | PK NEXT | AKR | AKR | PK ACR-N | AKR | PK NEXT | PK NEXT |
|------|-----|------|---------|-----|-----|----------|-----|---------|---------|
| 1    | 2   | 36   | 76      | 76  | 76  | 76       | 76  | 76      | 76      |
| 10   | 10  | 31   | 71      | 71  | 71  | 71       | 71  | 71      | 71      |
| 100  | 10  | 24   | 64      | 64  | 64  | 64       | 64  | 64      | 64      |
| 1000 | 10  | 17   | 57      | 57  | 57  | 57       | 57  | 57      | 57      |

**Certificate** No. 18433-18-1

**Zertifikat** No. 18433-18-1

Category 7



**GHMT Typen**

| Typ              | Druckverhältnis | Leistungseigenschaften/Properties | Anforderungen an verdrillte Leiter | Zusatzanforderungen |
|------------------|-----------------|-----------------------------------|------------------------------------|---------------------|
| B2 <sub>ca</sub> | Sehr hoch       | 1+                                | ...                                | ...                 |
| C <sub>ca</sub>  | Hoch            | 3                                 | ...                                | ...                 |
| D <sub>ca</sub>  | Mittel          | 3                                 | ...                                | ...                 |
| E <sub>ca</sub>  | Gering          | 3                                 | ...                                | ...                 |

