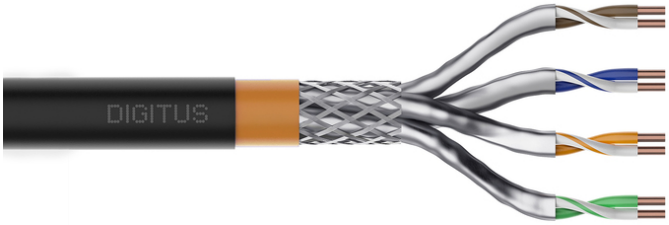
# DIGITUS® CAT 7 S/FTP data cable - underground installation cable, 500 m, simplex, PE

**DK-1741-VH-5-OD**

**EAN 4016032431084**




**CAT 7 S-FTP PiMF installation cable, raw 500m, drum, AWG 23/1, 1200 MHz, PE, sx, bl**

The Digitus® Professional Cat.7 S/FTP underground cable is characterized by the following cable structure 4x2x AWG23/1 and achieves a transmission frequency of up to 1200 MHz. The cable has a PE outer sheath and a halogen-free inner sheath and conforms to the IEC 60332-1, FRNC-B, LSZH-1 and BauPVO Euroclass Eca standards. The cable is suitable for installations in dry or damp rooms, outdoors or in the ground. Conforms to the standards ISO/IEC 11801, DIN EN 50173, DIN EN 50288-4-1.

**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: PE (polyethylene); UV-resistant
- Outer sheath thickness (nominal): 0.50 mm nominal
- Outer casing color: Black (RAL 9005)
- 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: -50 °C to +60 °C
- Installation temperature range: 0 °C to +60 °C
- Outer diameter simplex (nominal): 8.5 mm (Eca)
- Weight (kg/km): 66.5 kg/km
- Electrical properties:
- Impedance: 100±5 Ohm @ 4-100 MHz; 100±25 Ohm @ 100-1200 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%

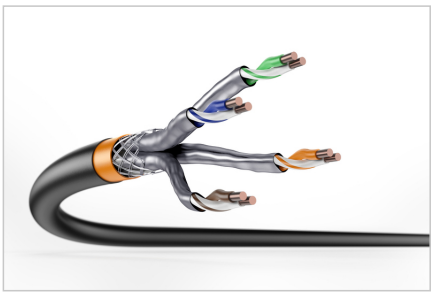
**Attributes**

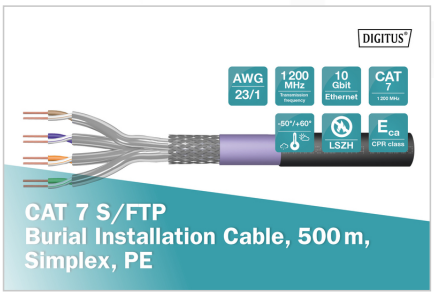
- Assortment: Twisted Pair Installation Cables
- Category: CAT 7
- Shielding: S-FTP, pairs in metal foil and braid shielding
- CPR: Eca
- Length: 500 m
- Color: black
- Jacket: PE
- Structure: 4 x 2 AWG 23/1, solid twisted pair

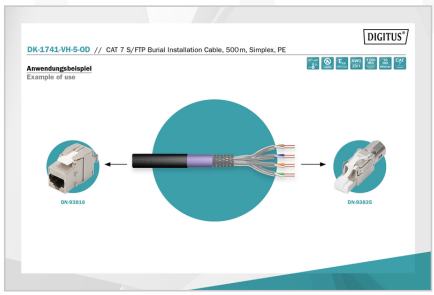
**Logistics**

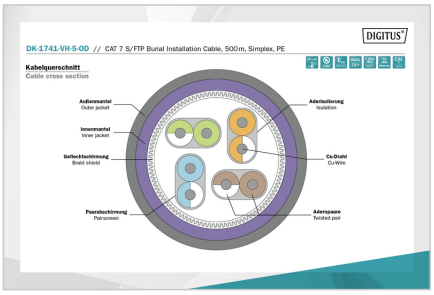
| | Number (pcs) | Weight (kg) | Depth (cm) | Width (cm) | Height (cm) | cm³ |
|---|---|---|---|---|---|---|
| **Packaging Unit Carton** | 1 | 27.00 | 34.00 | 40.00 | 40.00 | 54,400.00 |
| **Packaging Unit Inside** | 1 | 27.00 | 34.00 | 40.00 | 40.00 | 54,400.00 |
| **Packaging Unit Single** | 1 | 27.00 | 34.00 | 40.00 | 40.00 | 54,400.00 |
| **Net single without Packaging** | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

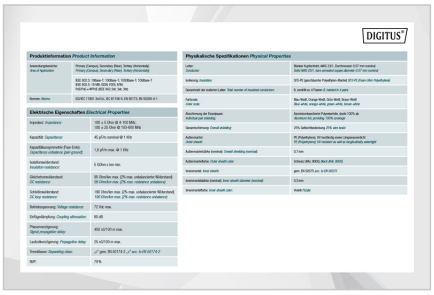
**More images:**

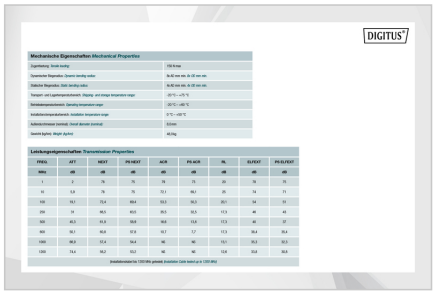



DIGITUS
AWG 23/1
1 200 MHz
10 Gbit Ethernet
CAT 7
-50°/+60°
LSZH
CAT 7 S/FTP
Burial Installation Cable, 500 m, Simplex, PE

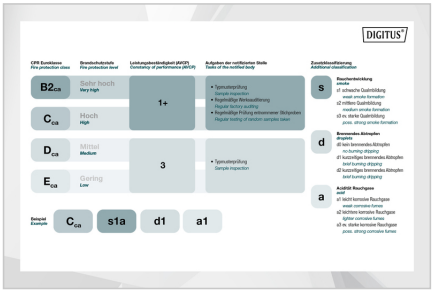

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DK-1741-VH-5-OD // CAT 7 S/FTP Burial Installation Cable, 500m, Simplex, PE
Anwendungsbeispiel
Example of use

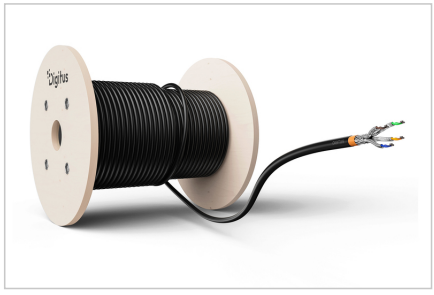

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DK-1741-VH-5-OD // CAT 7 S/FTP Burial Installation Cable, 500m, Simplex, PE
Kabelquerschnitt
Cable cross section
Außenmantel
Outer jacket
Innenmantel
Inner jacket
Geflechtschirmung
Braid shield
Paarabschirmung
Pairscreen
Adernisolierung
Insulation
Cu-Draht
Cu-Wire
Adernpaare
Twisted pair


DIGITUS
Produktinformation Product information
Physikalische Spezifikationen Physical Properties
Elektrische Eigenschaften Electrical Properties


DIGITUS
Mechanische Eigenschaften Mechanical Properties
Leistungseigenschaften Transmission Properties


GHMT
Zertifikat
Kategorie 7
Symmetrisches Kabel, Kupfer, Kategorie 7
GHMT Type Approval


DIGITUS
B2ca
Cca
Dca
Eca
1+
3
s
d
a
Cca
s1a
d1
a1


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