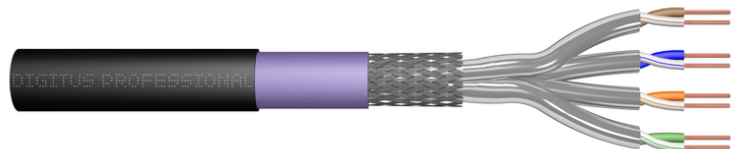


# DIGITUS Cat.7 S/FTP burial installation cable, 500 m, simplex, PE

DK-1741-VH-5-OD  
EAN 4016032431084



### DIGITUS 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 burial installation cable is characterized by the following cable construction 4x2x AWG23/1 and reaches a transmission frequency up to 1200 MHz. The cable has a PE outer jacket and a halogen free inner jacket and is conform to the standard IEC 60332-1, FRNC-B, LSZH-1 and CPR Euro class Eca. The cable is suitable for installations in dry or wet areas, outdoor or ground. Compliant with the following 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 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 wire braid
- Outer sheath: PE (Polyethylene); UV resistant
- Outer sheath diameter (nominal): 0.50 mm nominal
- Outer sheath color: Black (RAL 9005)
- 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: -50 °C up to +60 °C
- Installation temperature range: 0 °C up to +60 °C
- Overall diameter Simplex (nominal): 8.5 mm nominal (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-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.
- Delay difference: 10 nS/100 m max.
- Separating class: "d" acc. to EN 50174-2
- NVP: 79%
- 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

1200 MHz

10 Gbit Ethernet

CAT 7 1-100 MHz

180°/±60°

LSZH

Ecod CFR class

**CAT 7 S/FTP Burial Installation Cable, 500m, Simplex, PE**

**DIGITUS**

DK-1741-VH-5-0D // CAT 7 S/FTP Burial Installation Cable, 500m, Simplex, PE

**Anwendungsbispiel**  
Example of use

DK-0325

DK-0325

**DIGITUS**

DK-1741-VH-5-0D // CAT 7 S/FTP Burial Installation Cable, 500m, Simplex, PE

**Kabelquerschnitt**  
Cable cross section

Adressierung Outer jacket

Adressierung Inner jacket

Selbstheilende Shield jacket

Pfennschicht Paracore

Adressierung Isolation

Cu-Shield Cu-Shield

Adressierung Tinned pair

**DIGITUS**

**Produktionshistorie Product Information**

**Physikalische Eigenschaften Physical Properties**

**Elektrische Eigenschaften Electrical Properties**

**DIGITUS**

**Technische Eigenschaften Technical Properties**

**Leitungsgruppencharakteristiken Transmission Properties**

| PAAR | RTN | PROST | ACK | PROCK | IN | BLANK | PROBLANK |
|------|-----|-------|-----|-------|----|-------|----------|
| 1    | 75  | 75    | 75  | 75    | 75 | 75    | 75       |
| 2    | 75  | 75    | 75  | 75    | 75 | 75    | 75       |
| 3    | 75  | 75    | 75  | 75    | 75 | 75    | 75       |
| 4    | 75  | 75    | 75  | 75    | 75 | 75    | 75       |
| 5    | 75  | 75    | 75  | 75    | 75 | 75    | 75       |
| 6    | 75  | 75    | 75  | 75    | 75 | 75    | 75       |
| 7    | 75  | 75    | 75  | 75    | 75 | 75    | 75       |
| 8    | 75  | 75    | 75  | 75    | 75 | 75    | 75       |

**DIGITUS**

**Zertifikat**

№: 051317-21

**Kategorie 7**

**Technische Daten, Klasse Kategorie 7**

**GHMT Type Approval**

**DIGITUS**

**CFR-Benennung** B2-2

**Brandverhalten** Class 1

**Lebenszyklusdauer** 1+

**Äußerer Schutzanstrich** 3

**CFR-Kategorie** C<sub>ca</sub>

**Misch** s1a

**Mittel** d1

**Garung** a1

**E<sub>cod</sub>**

**DIGITUS Professional Networking**

**DIGITUS Professional Networking**