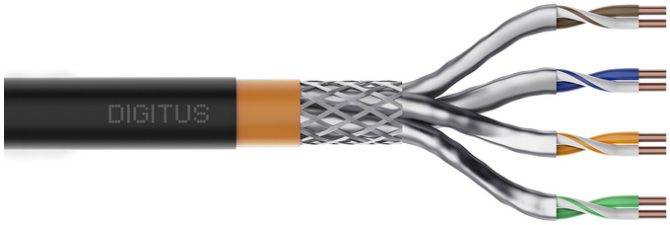
DIGITUS® CAT 7 S/FTP data cable – underground installation cable, 100 m, simplex, PE

DK-1741-VH-1-OD

EAN 4016032387435



CAT 7 S-FTP outdoor installation cable, 1200 MHz PE, inner Eca (LSZH-1), AWG 23/1,100m, sx, bl&pu

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: 15 nS/100 m max.
- Separation class: "d" according to EN 50174-2
- NVP: 79%

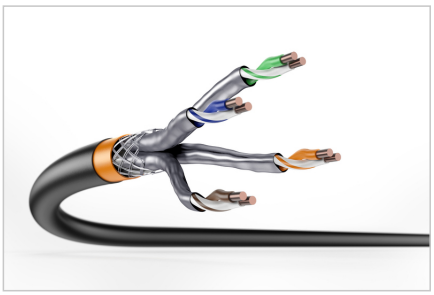
Attributes

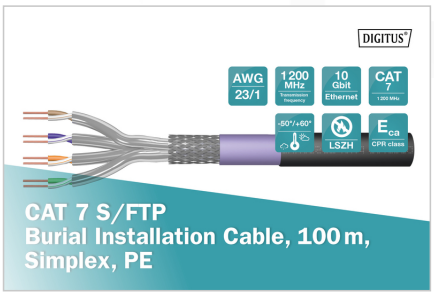
- Assortment: Twisted Pair Installation Cables
- Category: CAT 7
- Shielding: S-FTP, pairs in metal foil and braid shielding
- CPR: Eca
- Length: 100 m
- Color: black
- Jacket: PE
- Structure: 4 x 2 AWG 23/1, solid twisted pair

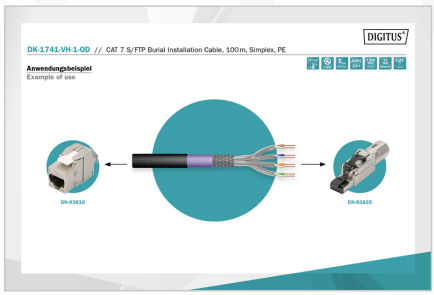
Logistics

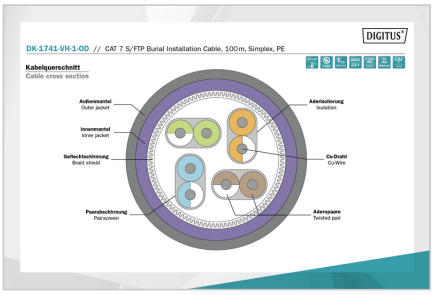
	Number (pcs)	Weight (kg)	Depth (cm)	Width (cm)	Height (cm)	cm³
Packaging Unit Carton	1	5.75	15.00	32.00	32.00	15,360.00
Packaging Unit Inside	1	5.75	15.00	32.00	32.00	15,360.00
Packaging Unit Single	1	5.75	15.00	32.00	32.00	15,360.00
Net single without Packaging	0	0.00	15.00	32.00	32.00	15,360.00

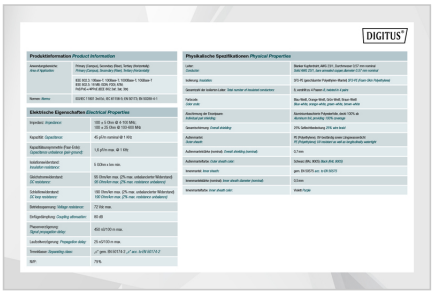
More images:

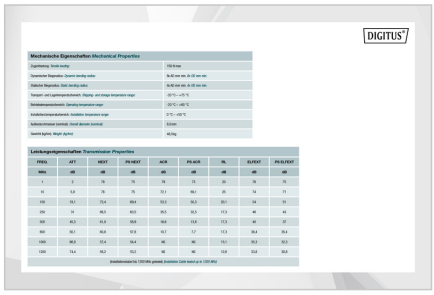



DIGITUS
AWG 23/1
1 200 MHz
10 Gbit Ethernet
CAT 7
-50°/+60°
LSZH
E ca
CPR class
CAT 7 S/FTP
Burial Installation Cable, 100 m, Simplex, PE

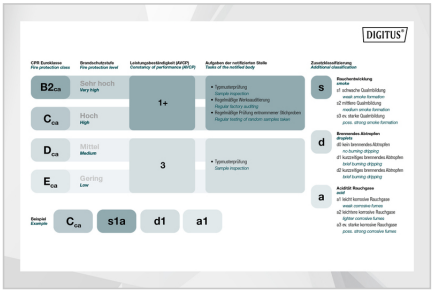

DIGITUS
DK-1741-VH-1-OD // CAT 7 S/FTP Burial Installation Cable, 100m, Simplex, PE
Anwendungsbeispiel
Example of use
DN-93616
DN-93835


DIGITUS
DK-1741-VH-1-OD // CAT 7 S/FTP Burial Installation Cable, 100m, Simplex, PE
Kabelquerschnitt
Cable cross section
Außenmantel
Outer jacket
Innenmantel
Inner jacket
Geflechtschirmung
Braid shield
Paarabschirmung
Pairscreen
Aderisolierung
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
Sehr hoch
Very high
Cca
Hoch
High
Dca
Mittel
Medium
Eca
Gering
Low
1+
3
s
d
a
Cca
s1a
d1
a1

