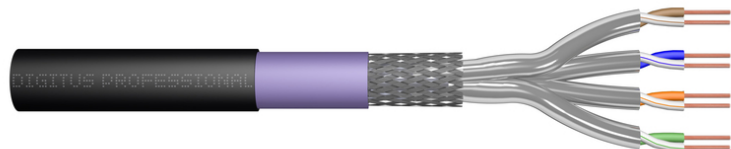


DIGITUS Cat.7 S/FTP burial installation cable, 100 m, simplex, PE

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 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: 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	1	5.65	15.00	32.00	32.00	15,360.00

More images:

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IEE Symbol
The standard

Bestandszeichen
The standard mark

Leistungsleistung (MHz)
Capacity performance (MHz)

Abgleich der conductor-Druck
Shield of the shielding

Zusatzkennzeichnung
Additional classification

Bestandszeichen
The mark

ABFRT
The mark

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CAT 7 S/FTP
Burial Installation Cable, 100 m,
Simplex, PE

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DK-1741-VH-1-00 // CAT 7 S/FTP Burial Installation Cable, 100m, Simplex, PE

Anwendungsbild
Example of use

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Kabelquerschnitt
Cable cross section

Adernmantel
Outer jacket

Innenmantel
Inner jacket

Schutzschicht
Shield shield

Paarungsisolierung
Pair insulation

Adernleitung
Twisted pair

Cu-Drat
Cu Wire

Mantel
Shield shield

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Produktbeschreibung / Product Information		Technische Spezifikationen / Technical Properties	
Produktname	Simplex, Simplex, Burial Installation Cable, 100m, Simplex, PE	Teilenummer	DK-1741-VH-1-00
Produktcode	DK-1741-VH-1-00	Materialcode	DK-1741-VH-1-00
Produktbeschreibung	Simplex, Simplex, Burial Installation Cable, 100m, Simplex, PE	Produktbeschreibung	Simplex, Simplex, Burial Installation Cable, 100m, Simplex, PE

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Mechanische Eigenschaften / Mechanical Properties	
Eigenschaften	100m
Produktname	DK-1741-VH-1-00
Produktcode	DK-1741-VH-1-00
Produktbeschreibung	Simplex, Simplex, Burial Installation Cable, 100m, Simplex, PE
Produktbeschreibung	Simplex, Simplex, Burial Installation Cable, 100m, Simplex, PE

Leistungseigenschaften / Transmission Properties								
AWG	STP	ISO/IEC 11801	ISO/IEC 11801	ISO/IEC 11801	ISO/IEC 11801	ISO/IEC 11801	ISO/IEC 11801	ISO/IEC 11801
1	1	1	1	1	1	1	1	1

GHMT

Zertifikat
No. 100074-12

Spezifisches Label, Kategorie 7
GHMT Type Approval



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.
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