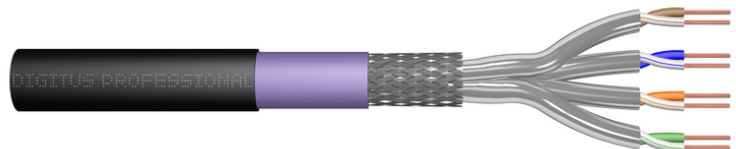


DIGITUS Cat.7 S/FTP burial installation cable, 500 m, simplex, PE

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	32.00	24.00	55.00	55.00	72,600.00
Packaging Unit Inside	1	32.00	24.00	55.00	55.00	72,600.00
Packaging Unit Single	1	32.00	24.00	55.00	55.00	72,600.00
Net single without Packaging	1	0.00	0.00	0.00	0.00	0.00

More images:

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

AWG 23/1 | 1200 MHz | 10 Gbit Ethernet | CAT 7 | 1000 Mbps | -50°/+60° | LSZH | E-200 CPR class

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

Anwendungsbeispiel
Example of use

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

Kabelquerschnitt
Cable cross section

Produktionsdaten Product Information

Herstellername	ASSMANN Electronic GmbH, Versen, Germany	Produktname	Simplex, PE
Produktcode	DK-1741-VH-S-OD	Artikelnummer	1741000000
Produktbeschreibung	CAT 7 S/FTP Burial Installation Cable, 500m, Simplex, PE	Material	PE

Elektrische Eigenschaften Electrical Properties

Impedanz	100 Ω ± 0,15 dB	Leitungsverlust	0,15 dB/100m @ 1 GHz
Reflexionskoeffizient	-20 dB	Leitungsverlust bei 100 MHz	0,05 dB/100m
Leitungsverlust bei 1 GHz	0,15 dB/100m	Leitungsverlust bei 100 MHz	0,05 dB/100m

Technische Eigenschaften Technical Properties

Leitungsverlust bei 1 GHz	0,15 dB/100m	Leitungsverlust bei 100 MHz	0,05 dB/100m
Leitungsverlust bei 50 MHz	0,02 dB/100m	Leitungsverlust bei 20 MHz	0,01 dB/100m

Leitungsverlustkurve Transmission Properties

FREIQUENZ [MHz]	LEITUNGSVERLUST [dB/100m]
1	0,02
10	0,05
100	0,10
1000	0,15
10000	0,20
100000	0,25
1000000	0,30
10000000	0,35
100000000	0,40
1000000000	0,45

Zertifikat
No. 047874-21

Kategorie 7

GHMT Type Approval

CE-Kennzeichnung

CE, RoHS, REACH, LFCE, LFCE-2, LFCE-3, LFCE-4, LFCE-5, LFCE-6, LFCE-7, LFCE-8, LFCE-9, LFCE-10, LFCE-11, LFCE-12, LFCE-13, LFCE-14, LFCE-15, LFCE-16, LFCE-17, LFCE-18, LFCE-19, LFCE-20, LFCE-21, LFCE-22, LFCE-23, LFCE-24, LFCE-25, LFCE-26, LFCE-27, LFCE-28, LFCE-29, LFCE-30, LFCE-31, LFCE-32, LFCE-33, LFCE-34, LFCE-35, LFCE-36, LFCE-37, LFCE-38, LFCE-39, LFCE-40, LFCE-41, LFCE-42, LFCE-43, LFCE-44, LFCE-45, LFCE-46, LFCE-47, LFCE-48, LFCE-49, LFCE-50, LFCE-51, LFCE-52, LFCE-53, LFCE-54, LFCE-55, LFCE-56, LFCE-57, LFCE-58, LFCE-59, LFCE-60, LFCE-61, LFCE-62, LFCE-63, LFCE-64, LFCE-65, LFCE-66, LFCE-67, LFCE-68, LFCE-69, LFCE-70, LFCE-71, LFCE-72, LFCE-73, LFCE-74, LFCE-75, LFCE-76, LFCE-77, LFCE-78, LFCE-79, LFCE-80, LFCE-81, LFCE-82, LFCE-83, LFCE-84, LFCE-85, LFCE-86, LFCE-87, LFCE-88, LFCE-89, LFCE-90, LFCE-91, LFCE-92, LFCE-93, LFCE-94, LFCE-95, LFCE-96, LFCE-97, LFCE-98, LFCE-99, LFCE-100



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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