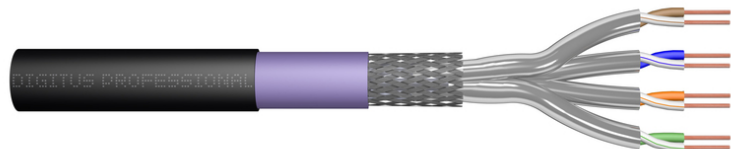


DIGITUS Cat.7 S/FTP burial installation cable, 1000 m, simplex, PE

DK-1741-VH-10-OD
EAN 4016032354130



CAT 7 S-FTP outdoor installation cable, 1200 MHz PE, inner Eca (LSZH), AWG 23/1, 1000m, 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: 1000 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)	cm ³
Packaging Unit Carton	1	66.00	60.00	60.00	33.00	118.80
Packaging Unit Inside	1	66.00	60.00	60.00	33.00	118.80
Packaging Unit Single	1	66.00	60.00	60.00	33.00	118.80
Net single without Packaging	0	66.00	0.00	0.00	0.00	0.00

More images:



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AWG 23/1 1200 MHz 10 Gbit Ethernet CAT 7

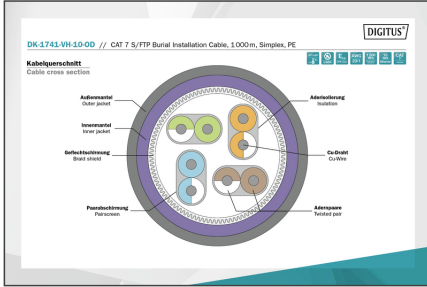
50°/±60° LSZH E C2 GPR class

CAT 7 S/FTP Burial Installation Cable, 1000 m, Simplex, PE

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DK-1741-VH-10-00 // CAT 7 S/FTP Burial Installation Cable, 1000m, Simplex, PE

Anwendungsbeispiel
Example of use



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Technische Daten / Product Information		Mechanische Eigenschaften / Mechanical Properties	
Bezeichnung / Name	DK-1741-VH-10-00	Lebensdauer / Lifetime	10 Jahre / 10 years
Material / Material	PE	Temperaturbereich / Temperature range	-30°C bis +70°C
Abmessungen / Dimensions	Ø 10,5 mm	Bruchdehnung / Elongation at break	100%
Wichtung / Weight	1000 m / 1000 m	Bruchenergie / Tear energy	1000 J/m
Verpackung / Packaging	Spule / Spool	Bruchgeschwindigkeit / Tear speed	100 mm/min
Umweltbedingungen / Environmental conditions	Indoor / Outdoor	Bruchtemperatur / Tear temperature	100°C
Spezifikationen / Specifications	ISO 11801-3 Class E	Bruchzeit / Tear time	100 s
Zusätzliche Informationen / Additional information	LSZH, E C2, GPR class	Bruchdruck / Tear force	100 N

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Mechanische Eigenschaften / Mechanical Properties

Eigenschaft / Property	Wert / Value
Lebensdauer / Lifetime	10 Jahre / 10 years
Temperaturbereich / Temperature range	-30°C bis +70°C
Bruchdehnung / Elongation at break	100%
Bruchenergie / Tear energy	1000 J/m
Bruchgeschwindigkeit / Tear speed	100 mm/min
Bruchtemperatur / Tear temperature	100°C
Bruchzeit / Tear time	100 s
Bruchdruck / Tear force	100 N

Leistungseigenschaften / Performance Properties

Parameter / Parameter	Value
1	100
2	100
3	100
4	100
5	100
6	100
7	100
8	100
9	100
10	100



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CE-Behauptung / CE Declaration

Die Erzeugnisse dieser Serie entsprechen den Anforderungen der EN 50388-1:2012 für CAT 7 S/FTP-Kabel.

CE-Declarations: C_{7S}, s1a, d1, a1



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 electronic operator ensuring the product complies with the required regulations.

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