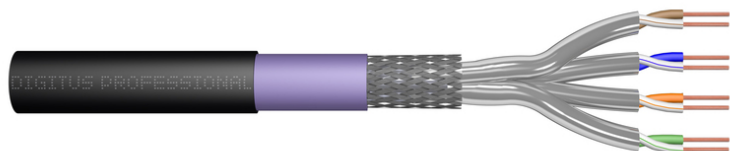


# DIGITUS Cat.7 S/FTP burial installation cable, 1000 m, simplex, PE

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.

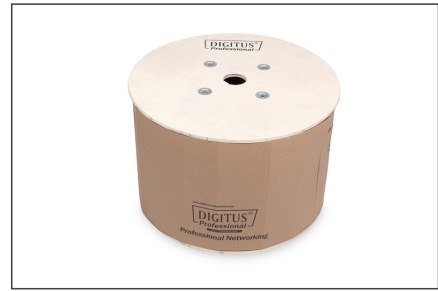
#### Future-oriented standards and high-end quality for your network.

- 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)	cm³
Packaging Unit Carton	1	66.00	60.00	60.00	33.00	118,800.00
Packaging Unit Inside	1	66.00	60.00	60.00	33.00	118,800.00
Packaging Unit Single	1	66.00	60.00	60.00	33.00	118,800.00
Net single without Packaging	0	66.00	0.00	0.00	0.00	0.00

More images:



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ENH Systemcode Produktcode Produktbeschreibung Produktcode Produktbeschreibung Produktcode Produktbeschreibung Produktcode Produktbeschreibung Produktcode Produktbeschreibung

B2... S... C... D... E... C... s1a d1 a1

**Zertifikat**

GHMT

Kategorie 7

GHMT Type Approval

**DIGITUS**

AWG 23/1 1200 MHz 10 Gbit Ethernet CAT 7 1000 Mbps 50°/±60° 6 LSZH E class

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

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

**Anwendungsbispiel**

Example of use

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

**Kabelquerschnitt**

Cable cross section

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Produktinformationen Product Information	Physikalische Spezifikationen Physical Properties
<b>Bestandteile Components</b> 1000m CAT 7 S/FTP Burial Installation Cable, 1000m, Simplex, PE 1000m CAT 7 S/FTP Burial Installation Cable, 1000m, Simplex, PE	<b>Material Material</b> PE (Polyethylene)
<b>Technische Spezifikationen Technical Properties</b> Hersteller Hersteller: DIGITUS Artikelnummer Artikelnummer: DK-1741-WH-10-00 Produktcode Produktcode: CAT 7 S/FTP Burial Installation Cable, 1000m, Simplex, PE	<b>Physikalische Spezifikationen Physical Properties</b> Drahttyp Drahttyp: CAT 7 S/FTP Burial Installation Cable, 1000m, Simplex, PE Drahtlänge Drahtlänge: 1000m Drahtquerschnitt Drahtquerschnitt: 23 AWG Drahtmaterial Drahtmaterial: PE (Polyethylene)

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**Technische Spezifikationen Technical Properties**

Parameter	Value
Category	CAT 7
Shielding	Shielded
Conductor Material	Copper
Jacket Material	PE (Polyethylene)
Temperature Range	-40°C to 75°C
Humidity	100% RH
Flamm Retardancy	LSZH
Lead-free	Yes

**Leitungsparameter Transmission Properties**

Parameter	Value
Attenuation	1.5 dB/100m
Return Loss	15 dB
Insertion Loss	0.5 dB
Reflection Coefficient	-20 dB
Shielding Effectiveness	100 dB
Dielectric Constant	2.5
Dielectric Loss	0.001

