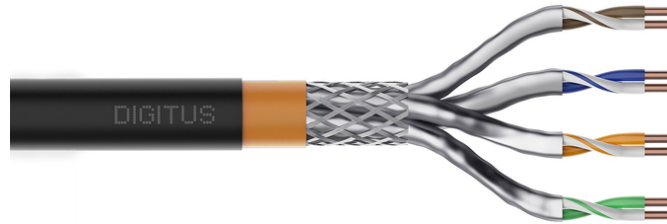


# DIGITUS® CAT 7 S/FTP data cable - underground installation cable, 100 m, simplex, PE

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.

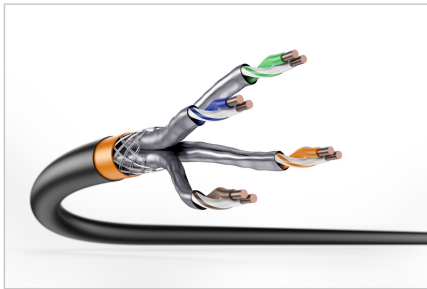
- Transport and storage temperature range: -20 °C to +60 °C
- Operating temperature range: -50 °C to +60 °C
- Installation temperature range: 0 °C to +60 °C
- Outer diameter simplex (nominal): 8.5 mm (Eca)
- Weight (kg/km): 66.5 kg/km
- Electrical properties:
- Impedance: 100±5 Ohm @ 4-100 MHz; 100±25 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	15.36
Packaging Unit Inside	1	5.75	15.00	32.00	32.00	15.36
Packaging Unit Single	1	5.75	15.00	32.00	32.00	15.36
Net single without Packaging	0	0.00	15.00	32.00	32.00	15.36

More images:



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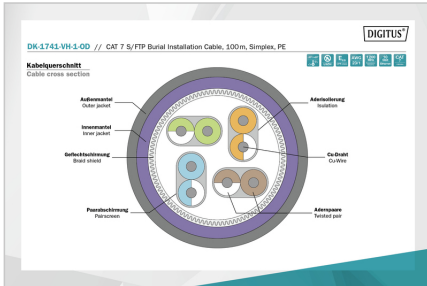
AWG 23/1 | 1200 MHz | 10 Gbit Ethernet | CAT 7 | 50°/±60° | LSZH | E Cca GPR class

**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

Anwendungsbeispiel  
Example of use



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Technische Spezifikationen Product Information		Physikalische Spezifikationen Physical Properties	
Bezeichnung Designation	DK-1741-VH-1-00 // CAT 7 S/FTP Burial Installation Cable, 100m, Simplex, PE	Teil Part	DK-1741-VH-1-00 // CAT 7 S/FTP Burial Installation Cable, 100m, Simplex, PE
Hersteller Manufacturer	ASSMANN Electronic GmbH, Lüdenscheid, Germany	Material Material	PE (Polyethylene)
Normen Standards	ISO 9001:2015, ISO 14001:2015, ISO 45001:2018, IEC 60332-1, IEC 60332-3, IEC 60754-0, IEC 60754-1, IEC 60754-2, IEC 60754-3, IEC 60754-4, IEC 60754-5, IEC 60754-6, IEC 60754-7, IEC 60754-8, IEC 60754-9, IEC 60754-10, IEC 60754-11, IEC 60754-12, IEC 60754-13, IEC 60754-14, IEC 60754-15, IEC 60754-16, IEC 60754-17, IEC 60754-18, IEC 60754-19, IEC 60754-20, IEC 60754-21, IEC 60754-22, IEC 60754-23, IEC 60754-24, IEC 60754-25, IEC 60754-26, IEC 60754-27, IEC 60754-28, IEC 60754-29, IEC 60754-30, IEC 60754-31, IEC 60754-32, IEC 60754-33, IEC 60754-34, IEC 60754-35, IEC 60754-36, IEC 60754-37, IEC 60754-38, IEC 60754-39, IEC 60754-40, IEC 60754-41, IEC 60754-42, IEC 60754-43, IEC 60754-44, IEC 60754-45, IEC 60754-46, IEC 60754-47, IEC 60754-48, IEC 60754-49, IEC 60754-50, IEC 60754-51, IEC 60754-52, IEC 60754-53, IEC 60754-54, IEC 60754-55, IEC 60754-56, IEC 60754-57, IEC 60754-58, IEC 60754-59, IEC 60754-60, IEC 60754-61, IEC 60754-62, IEC 60754-63, IEC 60754-64, IEC 60754-65, IEC 60754-66, IEC 60754-67, IEC 60754-68, IEC 60754-69, IEC 60754-70, IEC 60754-71, IEC 60754-72, IEC 60754-73, IEC 60754-74, IEC 60754-75, IEC 60754-76, IEC 60754-77, IEC 60754-78, IEC 60754-79, IEC 60754-80, IEC 60754-81, IEC 60754-82, IEC 60754-83, IEC 60754-84, IEC 60754-85, IEC 60754-86, IEC 60754-87, IEC 60754-88, IEC 60754-89, IEC 60754-90, IEC 60754-91, IEC 60754-92, IEC 60754-93, IEC 60754-94, IEC 60754-95, IEC 60754-96, IEC 60754-97, IEC 60754-98, IEC 60754-99, IEC 60754-100	Abmessungen Dimensions	23 AWG (0.62mm) x 1.0mm (0.024" x 0.039")
Lebensdauer Lifetime	10 Jahre (10 years)	Temperaturbereich Temperature range	-40°C bis +85°C (-40°F bis +193°F)
Umweltbedingungen Environmental conditions	ISO 9001:2015, ISO 14001:2015, ISO 45001:2018, IEC 60332-1, IEC 60332-3, IEC 60754-0, IEC 60754-1, IEC 60754-2, IEC 60754-3, IEC 60754-4, IEC 60754-5, IEC 60754-6, IEC 60754-7, IEC 60754-8, IEC 60754-9, IEC 60754-10, IEC 60754-11, IEC 60754-12, IEC 60754-13, IEC 60754-14, IEC 60754-15, IEC 60754-16, IEC 60754-17, IEC 60754-18, IEC 60754-19, IEC 60754-20, IEC 60754-21, IEC 60754-22, IEC 60754-23, IEC 60754-24, IEC 60754-25, IEC 60754-26, IEC 60754-27, IEC 60754-28, IEC 60754-29, IEC 60754-30, IEC 60754-31, IEC 60754-32, IEC 60754-33, IEC 60754-34, IEC 60754-35, IEC 60754-36, IEC 60754-37, IEC 60754-38, IEC 60754-39, IEC 60754-40, IEC 60754-41, IEC 60754-42, IEC 60754-43, IEC 60754-44, IEC 60754-45, IEC 60754-46, IEC 60754-47, IEC 60754-48, IEC 60754-49, IEC 60754-50, IEC 60754-51, IEC 60754-52, IEC 60754-53, IEC 60754-54, IEC 60754-55, IEC 60754-56, IEC 60754-57, IEC 60754-58, IEC 60754-59, IEC 60754-60, IEC 60754-61, IEC 60754-62, IEC 60754-63, IEC 60754-64, IEC 60754-65, IEC 60754-66, IEC 60754-67, IEC 60754-68, IEC 60754-69, IEC 60754-70, IEC 60754-71, IEC 60754-72, IEC 60754-73, IEC 60754-74, IEC 60754-75, IEC 60754-76, IEC 60754-77, IEC 60754-78, IEC 60754-79, IEC 60754-80, IEC 60754-81, IEC 60754-82, IEC 60754-83, IEC 60754-84, IEC 60754-85, IEC 60754-86, IEC 60754-87, IEC 60754-88, IEC 60754-89, IEC 60754-90, IEC 60754-91, IEC 60754-92, IEC 60754-93, IEC 60754-94, IEC 60754-95, IEC 60754-96, IEC 60754-97, IEC 60754-98, IEC 60754-99, IEC 60754-100	Verpackung Packaging	100m (328ft) per reel

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Technische Eigenschaften Mechanical Properties

Parameter	Value
Lebensdauer Lifetime	10 Jahre (10 years)
Temperaturbereich Temperature range	-40°C bis +85°C (-40°F bis +193°F)
Umweltbedingungen Environmental conditions	ISO 9001:2015, ISO 14001:2015, ISO 45001:2018, IEC 60332-1, IEC 60332-3, IEC 60754-0, IEC 60754-1, IEC 60754-2, IEC 60754-3, IEC 60754-4, IEC 60754-5, IEC 60754-6, IEC 60754-7, IEC 60754-8, IEC 60754-9, IEC 60754-10, IEC 60754-11, IEC 60754-12, IEC 60754-13, IEC 60754-14, IEC 60754-15, IEC 60754-16, IEC 60754-17, IEC 60754-18, IEC 60754-19, IEC 60754-20, IEC 60754-21, IEC 60754-22, IEC 60754-23, IEC 60754-24, IEC 60754-25, IEC 60754-26, IEC 60754-27, IEC 60754-28, IEC 60754-29, IEC 60754-30, IEC 60754-31, IEC 60754-32, IEC 60754-33, IEC 60754-34, IEC 60754-35, IEC 60754-36, IEC 60754-37, IEC 60754-38, IEC 60754-39, IEC 60754-40, IEC 60754-41, IEC 60754-42, IEC 60754-43, IEC 60754-44, IEC 60754-45, IEC 60754-46, IEC 60754-47, IEC 60754-48, IEC 60754-49, IEC 60754-50, IEC 60754-51, IEC 60754-52, IEC 60754-53, IEC 60754-54, IEC 60754-55, IEC 60754-56, IEC 60754-57, IEC 60754-58, IEC 60754-59, IEC 60754-60, IEC 60754-61, IEC 60754-62, IEC 60754-63, IEC 60754-64, IEC 60754-65, IEC 60754-66, IEC 60754-67, IEC 60754-68, IEC 60754-69, IEC 60754-70, IEC 60754-71, IEC 60754-72, IEC 60754-73, IEC 60754-74, IEC 60754-75, IEC 60754-76, IEC 60754-77, IEC 60754-78, IEC 60754-79, IEC 60754-80, IEC 60754-81, IEC 60754-82, IEC 60754-83, IEC 60754-84, IEC 60754-85, IEC 60754-86, IEC 60754-87, IEC 60754-88, IEC 60754-89, IEC 60754-90, IEC 60754-91, IEC 60754-92, IEC 60754-93, IEC 60754-94, IEC 60754-95, IEC 60754-96, IEC 60754-97, IEC 60754-98, IEC 60754-99, IEC 60754-100

Leistungseigenschaften Transmission Properties

Parameter	Value
Lebensdauer Lifetime	10 Jahre (10 years)
Temperaturbereich Temperature range	-40°C bis +85°C (-40°F bis +193°F)
Umweltbedingungen Environmental conditions	ISO 9001:2015, ISO 14001:2015, ISO 45001:2018, IEC 60332-1, IEC 60332-3, IEC 60754-0, IEC 60754-1, IEC 60754-2, IEC 60754-3, IEC 60754-4, IEC 60754-5, IEC 60754-6, IEC 60754-7, IEC 60754-8, IEC 60754-9, IEC 60754-10, IEC 60754-11, IEC 60754-12, IEC 60754-13, IEC 60754-14, IEC 60754-15, IEC 60754-16, IEC 60754-17, IEC 60754-18, IEC 60754-19, IEC 60754-20, IEC 60754-21, IEC 60754-22, IEC 60754-23, IEC 60754-24, IEC 60754-25, IEC 60754-26, IEC 60754-27, IEC 60754-28, IEC 60754-29, IEC 60754-30, IEC 60754-31, IEC 60754-32, IEC 60754-33, IEC 60754-34, IEC 60754-35, IEC 60754-36, IEC 60754-37, IEC 60754-38, IEC 60754-39, IEC 60754-40, IEC 60754-41, IEC 60754-42, IEC 60754-43, IEC 60754-44, IEC 60754-45, IEC 60754-46, IEC 60754-47, IEC 60754-48, IEC 60754-49, IEC 60754-50, IEC 60754-51, IEC 60754-52, IEC 60754-53, IEC 60754-54, IEC 60754-55, IEC 60754-56, IEC 60754-57, IEC 60754-58, IEC 60754-59, IEC 60754-60, IEC 60754-61, IEC 60754-62, IEC 60754-63, IEC 60754-64, IEC 60754-65, IEC 60754-66, IEC 60754-67, IEC 60754-68, IEC 60754-69, IEC 60754-70, IEC 60754-71, IEC 60754-72, IEC 60754-73, IEC 60754-74, IEC 60754-75, IEC 60754-76, IEC 60754-77, IEC 60754-78, IEC 60754-79, IEC 60754-80, IEC 60754-81, IEC 60754-82, IEC 60754-83, IEC 60754-84, IEC 60754-85, IEC 60754-86, IEC 60754-87, IEC 60754-88, IEC 60754-89, IEC 60754-90, IEC 60754-91, IEC 60754-92, IEC 60754-93, IEC 60754-94, IEC 60754-95, IEC 60754-96, IEC 60754-97, IEC 60754-98, IEC 60754-99, IEC 60754-100



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Parameter	Value
Lebensdauer Lifetime	10 Jahre (10 years)
Temperaturbereich Temperature range	-40°C bis +85°C (-40°F bis +193°F)
Umweltbedingungen Environmental conditions	ISO 9001:2015, ISO 14001:2015, ISO 45001:2018, IEC 60332-1, IEC 60332-3, IEC 60754-0, IEC 60754-1, IEC 60754-2, IEC 60754-3, IEC 60754-4, IEC 60754-5, IEC 60754-6, IEC 60754-7, IEC 60754-8, IEC 60754-9, IEC 60754-10, IEC 60754-11, IEC 60754-12, IEC 60754-13, IEC 60754-14, IEC 60754-15, IEC 60754-16, IEC 60754-17, IEC 60754-18, IEC 60754-19, IEC 60754-20, IEC 60754-21, IEC 60754-22, IEC 60754-23, IEC 60754-24, IEC 60754-25, IEC 60754-26, IEC 60754-27, IEC 60754-28, IEC 60754-29, IEC 60754-30, IEC 60754-31, IEC 60754-32, IEC 60754-33, IEC 60754-34, IEC 60754-35, IEC 60754-36, IEC 60754-37, IEC 60754-38, IEC 60754-39, IEC 60754-40, IEC 60754-41, IEC 60754-42, IEC 60754-43, IEC 60754-44, IEC 60754-45, IEC 60754-46, IEC 60754-47, IEC 60754-48, IEC 60754-49, IEC 60754-50, IEC 60754-51, IEC 60754-52, IEC 60754-53, IEC 60754-54, IEC 60754-55, IEC 60754-56, IEC 60754-57, IEC 60754-58, IEC 60754-59, IEC 60754-60, IEC 60754-61, IEC 60754-62, IEC 60754-63, IEC 60754-64, IEC 60754-65, IEC 60754-66, IEC 60754-67, IEC 60754-68, IEC 60754-69, IEC 60754-70, IEC 60754-71, IEC 60754-72, IEC 60754-73, IEC 60754-74, IEC 60754-75, IEC 60754-76, IEC 60754-77, IEC 60754-78, IEC 60754-79, IEC 60754-80, IEC 60754-81, IEC 60754-82, IEC 60754-83, IEC 60754-84, IEC 60754-85, IEC 60754-86, IEC 60754-87, IEC 60754-88, IEC 60754-89, IEC 60754-90, IEC 60754-91, IEC 60754-92, IEC 60754-93, IEC 60754-94, IEC 60754-95, IEC 60754-96, IEC 60754-97, IEC 60754-98, IEC 60754-99, IEC 60754-100



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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