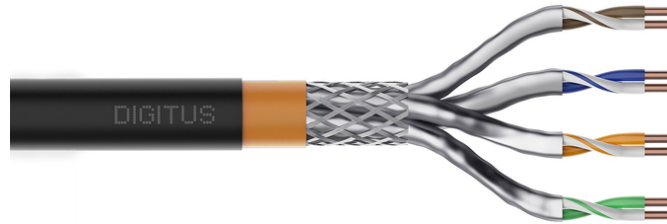


DIGITUS® CAT 7 S/FTP data cable - underground installation cable, 500 m, simplex, PE

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 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.

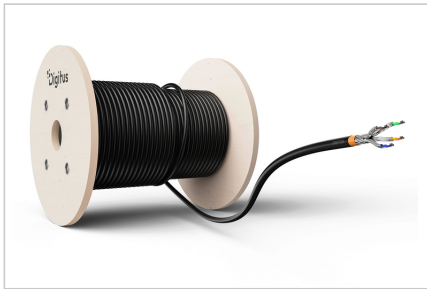
- Transport and storage temperature range: -20 °C to +60 °C
- Operating temperature range: -50 °C to +60 °C
- Installation temperature range: 0 °C to +60 °C
- Outer diameter simplex (nominal): 8.5 mm (Eca)
- Weight (kg/km): 66.5 kg/km
- Electrical properties:
- Impedance: 100±5 Ohm @ 4-100 MHz; 100±25 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: 10 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: 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	27.00	34.00	40.00	40.00	54.40
Packaging Unit Inside	1	27.00	34.00	40.00	40.00	54.40
Packaging Unit Single	1	27.00	34.00	40.00	40.00	54.40
Net single without Packaging	0	0.00	0.00	0.00	0.00	0.00

More images:



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CPR Simulation (EN 50521-2) | **Brandenbeständigkeit** (EN 50521-2) | **Lebensdauerbedingung (LSD)** (EN 50521-2) | **Adaptieren der verbleibenden Länge** (EN 50521-2)

B2ca (Hocherhöht) | **1+** (Flammverbreitung) | **S** (Rauchentwicklung)

Cca (Hoch) | **3** (Kabelbrand) | **d** (Rauchentwicklung)

Dca (Hoch) | **3** (Kabelbrand) | **a** (Rauchentwicklung)

Eca (Hoch) | **3** (Kabelbrand) | **a** (Rauchentwicklung)

Brand | **Cca** | **s1a** | **d1** | **a1**

Zertifikat (EN 50521-2) | **GHMT**

Kategorie 7

Spezifische Kabel, Kategorie 7

GHMT Type Approval

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Technische Eigenschaften (Mechanical Properties)

Parameter	Value
Outer Diameter (Nominal)	12.5mm
Outer Diameter (Actual)	12.45mm - 12.55mm
Inner Diameter (Nominal)	10.5mm
Inner Diameter (Actual)	10.45mm - 10.55mm
Conductor Diameter (Nominal)	0.20mm
Conductor Diameter (Actual)	0.195mm - 0.205mm
Insulation Thickness (Nominal)	0.15mm
Insulation Thickness (Actual)	0.145mm - 0.155mm
Shield Thickness (Nominal)	0.15mm
Shield Thickness (Actual)	0.145mm - 0.155mm

Lebensdauerbedingung (LSD) (EN 50521-2)

Parameter	Value
Temperature <td>50°C</td>	50°C
Humidity <td>95%</td>	95%
Vibration <td>10g</td>	10g
Shock <td>10g</td>	10g
Impact <td>10g</td>	10g
Compression <td>10g</td>	10g
Flexion <td>10g</td>	10g
Twisting <td>10g</td>	10g
Bending <td>10g</td>	10g
Crushing <td>10g</td>	10g
Peeling <td>10g</td>	10g
Scraping <td>10g</td>	10g
Impact <td>10g</td>	10g
Crushing <td>10g</td>	10g
Peeling <td>10g</td>	10g
Scraping <td>10g</td>	10g

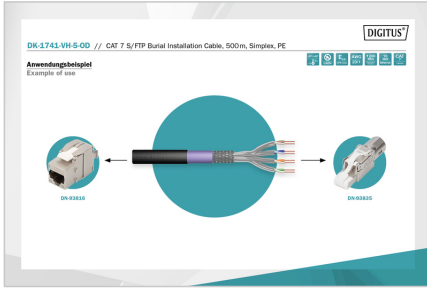
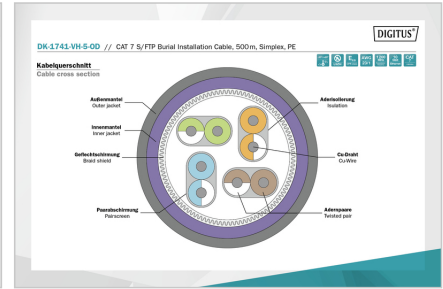
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Technische Eigenschaften (Mechanical Properties)

Parameter	Value
Outer Diameter (Nominal)	12.5mm
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Lebensdauerbedingung (LSD) (EN 50521-2)

Parameter	Value
Temperature	50°C
Humidity	95%
Vibration	10g
Shock	10g
Impact	10g
Compression	10g
Flexion	10g
Twisting	10g
Bending	10g
Crushing	10g
Peeling	10g
Scraping	10g

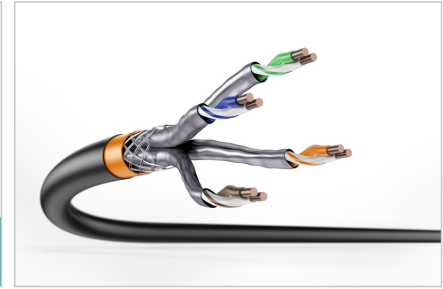


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CAT 7 S/FTP Burial Installation Cable, 500m, Simplex, PE

AWG 23/1 | **1200 MHz** | **10 Gbit Ethernet** | **CAT 7** | **1000 Mbps**

50°+60° | **LSZH** | **Eca** | **CPR class**



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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