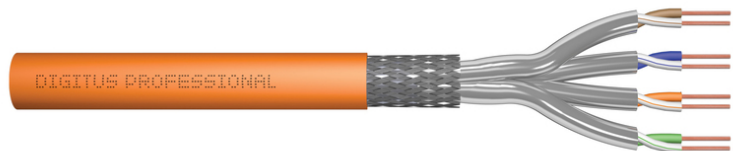


# DIGITUS Cat.7 S/FTP installation cable, 50 m, simplex, Dca-s1a d1 a1

DK-1743-VH-050  
EAN 4016032480785



### CAT 7 S-FTP installation cable, 1200 MHz Dca (EN 50575), AWG 23/1, 50m ring, SX, orange

The Digitus® Cat.7 S/FTP installation cable features the following cable structure 4x2x AWG23/1 and reaches a transmission frequency of up to 1200 MHz. The halogen-free cable sheath complies with the IEC 60332-3-24 standard, FRNC-C, LSZH-3, and BauPVO Euroclass Dca. The cable is suitable for structured building cabling in secondary and tertiary areas. Compliant with ISO/IEC 11801, DIN EN 50173, and DIN EN 50288-4-1 standards.

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

- Conductor: Bare copper wire, AWG 23/1
- System(s) of assessment and verification of constancy of performance: System 3
- 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: Eca to B2ca in accordance with EN 50575; LSZH
- Outer sheath thickness (nominal): 0.50 mm (Eca); 0.52 mm (Dca); 0.60 mm (Cca); 0.60 (B2ca)
- Color: Orange (RAL 2008)
- 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 +75 °C
- Operating temperature range: -20 °C to +50 °C
- Installation temperature range: 0 °C to +50 °C
- Outer diameter simplex (nominal): 7.0 mm (Eca); 7.2 mm (Dca); 7.5 mm (Cca); 7.5 mm (B2ca)

- Weight (kg/km): 49.5 kg (Eca); 51 kg (Dca), 53 kg (Cca); 53 kg (B2ca)
- Electrical properties:
- Impedance: 100±15 Ohm @ 4 - 1000 MHz; 100±25 OHM @ 100-600 MHz
- Capacitance: 45pF/m nom. at 1KHz
- Capacitance: 40 pF/m nominal @ 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%
- Assortment: Twisted pair installation cable
- Length: 50 m
- Category: CAT 7
- Color: orange
- CPR: Dca
- Coat: LSOH
- Shielding: S-FTP, pairs shielded in metal foil and braid
- Cable construction: 4 x 2 AWG 23/1, solid twisted pair
- Assortment: Twisted Pair Installation Cables
- Category: CAT 7
- Shielding: S-FTP, pairs in metal foil and braid shielding
- CPR: Dca
- Length: 50 m
- Color: orange
- Jacket: LSOH
- 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	2.60	32.00	32.00	9.00	9,216.00
Packaging Unit Inside	1	2.60	32.00	32.00	9.00	9,216.00
Packaging Unit Single	1	2.60	32.00	32.00	9.00	9,216.00
Net single without Packaging	1	0.00	12.00	24.00	80.00	0.00

More images:

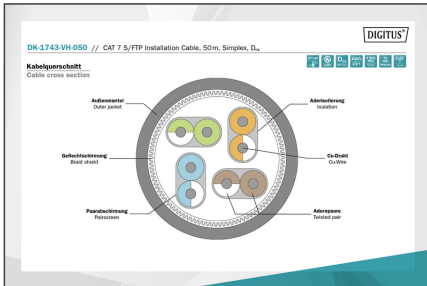


**CAT 7 S/FTP Installation Cable, 50m, Simplex, D<sub>ca</sub>**

- AWG 23/1
- 1200 MHz
- 10 Gbit Ethernet
- CAT 7 1000 Mbps
- 207/±50°
- LSZH
- D<sub>ca</sub> CPE class

**DK-1743-VH-050 // CAT 7 S/FTP Installation Cable, 50m, Simplex, D<sub>ca</sub>**

Anwendungsbeispiel  
Example of use



**Produktinformation Product Information**

Produktname Product Name	DK-1743-VH-050	Produktbeschreibung Product Description	10 Gbit Ethernet CAT 7 S/FTP Installation Cable, 50m, Simplex, D <sub>ca</sub>
Hersteller Manufacturer	DIGITUS	Produkttyp Product Type	Cable
Material Material	PVC	Produktfarbe Product Color	Orange
Produktlänge Product Length	50m	Produktgewicht Product Weight	~1.5kg

**Technische Eigenschaften Technical Properties**

Standard Standard	ISO/IEC 11801 Class E, ANSI/TIA 568 Class F
Bandbreite Bandwidth	1200 MHz
Übertragungsraten Transfer Rates	10 Gbit/s
Temperaturbereich Temperature Range	-20°C to +70°C
Flammverhalten Flame Retardancy	LSZH

**Leistungseigenschaften Transmission Properties**

Pair	Att [dB]	EXT [dB]	PL NEXT [dB]	PL ACR [dB]	PL AL [dB]	PL NEXT [dB]	PL NEXT [dB]
1	2	34	74	74	74	28	34
10	1.8	31	71	71	71	26	31
100	1.5	28	68	68	68	24	28
1000	1.2	25	65	65	65	22	25

**Certificate**  
No. 1914-19-1-E

**Zertifikat**  
Nr. 1914-19-1-E

Category 7

**GHMT Type Approval**

**Certificate**  
No. 1914-19-1-E

**Zertifikat**  
Nr. 1914-19-1-E

Class E

**GHMT Type Approval**

**DIGITUS**

GHMT Typenprüfung

Produktname: CAT 7 S/FTP Installation Cable, 50m, Simplex, D<sub>ca</sub>

Produkttyp: Kabel

Produktklasse: E

Produktbeschreibung: 10 Gbit Ethernet CAT 7 S/FTP Installation Cable, 50m, Simplex, D<sub>ca</sub>

Produktfarbe: Orange

Produktlänge: 50m

Produktgewicht: ~1.5kg

Produktmaterial: PVC

Produkttemperaturbereich: -20°C to +70°C

Produktflamverhalten: LSZH

Produktübertragungsraten: 10 Gbit/s

Produktbandbreite: 1200 MHz

Produktstandard: ISO/IEC 11801 Class E, ANSI/TIA 568 Class F

Produktanwendungsbereich: CAT 7 S/FTP Installation Cable, 50m, Simplex, D<sub>ca</sub>

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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.

ASSMANN Electronic GmbH  
Auf dem Schüffel 3  
Lüdenscheid, Germany  
<https://www.assmann.com>  
[info@assmann.com](mailto:info@assmann.com)