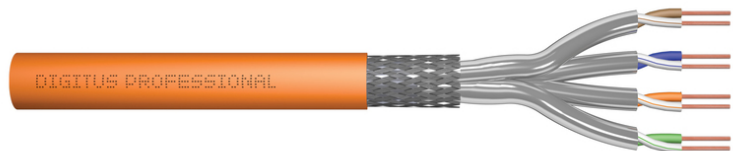


# DIGITUS Cat.7 S/FTP installation cable, 250 m, simplex, Dca-s1a d1 a1

DK-1743-VH-250  
EAN 4016032480792



### CAT 7 S-FTP installation cable, 1200 MHz Dca (EN 50575), AWG 23/1, 250 m box, 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

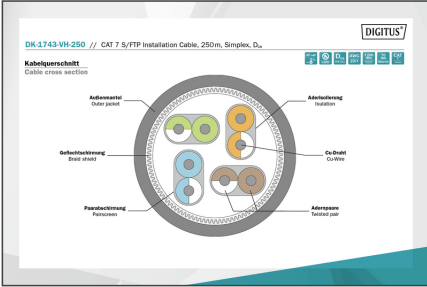
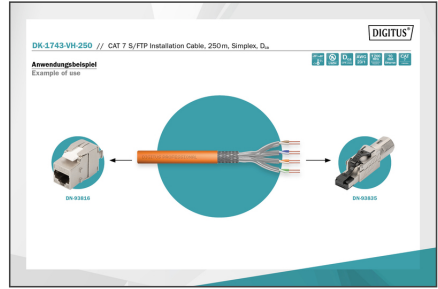
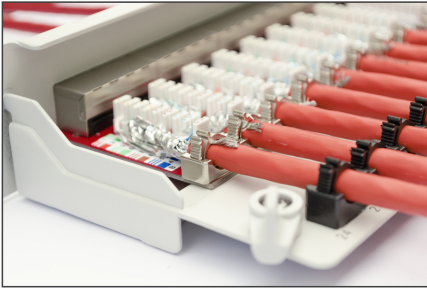
- Operating temperature range: -20 °C to +50 °C
- Installation temperature range: 0 °C to +50 °C
- Outer diameter simplex (nominal): 7.0 mm (Eca); 7.2 mm (Dca); 7.5 mm (Cca); 7.5 mm (B2ca)
- Weight (kg/km): 49.5 kg (Eca); 51 kg (Dca), 53 kg (Cca); 53 kg (B2ca)
- Electrical properties:
- Impedance: 100±15 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%

#### Attributes

- Assortment: Twisted Pair Installation Cables
- Category: CAT 7
- Shielding: S-FTP, pairs in metal foil and braid shielding
- CPR: Dca
- Length: 250 m
- Color: orange
- Jacket: LSOH
- Structure: 4 x 2 AWG 23/1, solid twisted pair

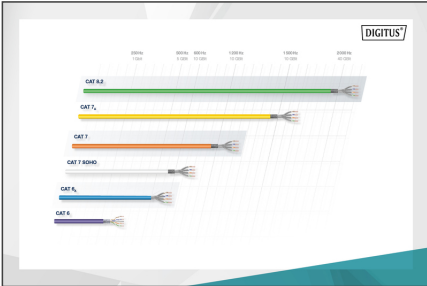
Logistics						
	Number (pcs)	Weight (kg)	Depth (cm)	Width (cm)	Height (cm)	cm <sup>3</sup>
Packaging Unit Carton	1	15.19	40.00	40.00	30.00	48,000.00
Packaging Unit Inside	1	15.19	40.00	40.00	30.00	48,000.00
Packaging Unit Single	1	15.19	40.00	40.00	30.00	48,000.00
Net single without Packaging	1	13.98	20.00	38.00	27.20	0.00

More images:



Produktinformation Product Information		Physikalische Spezifikationen Physical Properties	
Artikelnummer Part Number	DK-1743-VH-250 // CAT 7 S/FTP Installation Cable, 250m, Simplex, D <sub>4</sub>	Leitelemente Conductors	250m (161.4ft) - Standardlänge 50m (32.8ft) - Standardlänge
Hersteller Manufacturer	ASSMANN Electronic GmbH	Isolierung Insulation	250m (161.4ft) - Standardlänge 50m (32.8ft) - Standardlänge
Norm Norm	ISO/IEC 11801, ISO/IEC 61905-2, EN 50521-2, EN 50521-4	Temperatur Temperature	0°C (32°F) bis +70°C (158°F)
<b>Elektrische Eigenschaften Electrical Properties</b>		<b>Mechanische Eigenschaften Mechanical Properties</b>	
Übertragungsbandbreite Bandwidth	60 MHz (2.3 GHz) bis 600 MHz (2.3 GHz) - 100 MHz (4.0 GHz)	Spannung Spannung	100V max.
Übertragungsbandbreite Bandwidth	60 MHz (2.3 GHz) bis 600 MHz (2.3 GHz) - 100 MHz (4.0 GHz)	Strom Strom	3A bis 10A (30V max.)
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Leistungsparameter Power Parameters											
PROF.	UTP	NET	NET	AWG	PL-SCR	PL	PL-EXT	PL-EXT	PL-EXT	PL-EXT	PL-EXT
100	100	100	100	100	100	100	100	100	100	100	100
100	100	100	100	100	100	100	100	100	100	100	100
100	100	100	100	100	100	100	100	100	100	100	100
100	100	100	100	100	100	100	100	100	100	100	100
100	100	100	100	100	100	100	100	100	100	100	100



EN 50521-2	EN 50521-4	EN 50521-2	EN 50521-4
100	100	100	100
100	100	100	100
100	100	100	100
100	100	100	100
100	100	100	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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