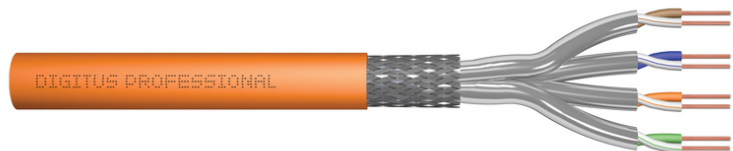


DIGITUS Cat.7 S/FTP installation cable, 500 m, simplex, Dca-s1a d1 a1

DK-1743-VH-5
EAN 4016032353997



CAT 7 S-FTP installation cable, 1200 MHz Dca (EN 50575), AWG 23/1, 500 m drum, SX, orange

The Digitus Cat 7 installation cable is designed for use in the structured data center and the building cabling according to ISO/IEC 11801, DIN EN 50288-4-1, DIN EN 50173, IEC 61156-7, EN 50288-9-1. The cable is perfectly suitable for the transmission of both analog and digital data and also supports POE and POE+. The shielding structure is composed of single shielded pairs with a tinned copper braid, which ensures excellent shielding and electrical values.

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

- Physical properties:
- 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: Dca-s2 d1 a1 acc. to 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: 135N 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

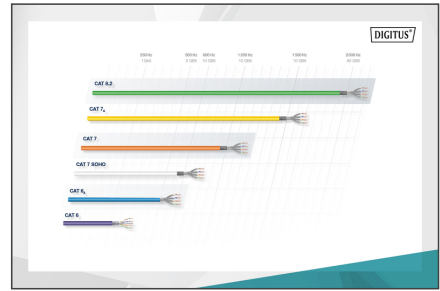
- Operating temperature range: -20 °C to +50 °C
- Installation temperature range: 0 °C to +50 °C
- Electrical properties:
- Impedance: 100±15 Ohm @ 4 - 1000 MHz; 100±25 OHM @ 100-600 MHz
- Capacitance: 45pF/m nom. at 1KHz
- Capacitance: 40 pF/m nominal @ 1 KHz
- Insulation resistance: 5 GOhm x km min.
- 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%
- Flame spread: EN 60332-1-2 (LSOH-PVC)
- Halogen-free, corrosivity: EN 60754-1/2 (LSOH)
- Smoke density EN 61034-2

Attributes

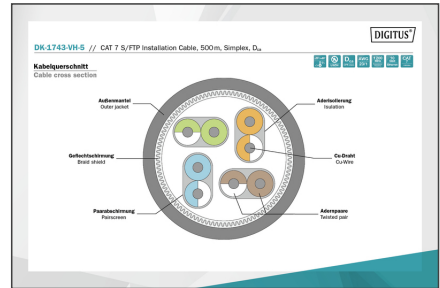
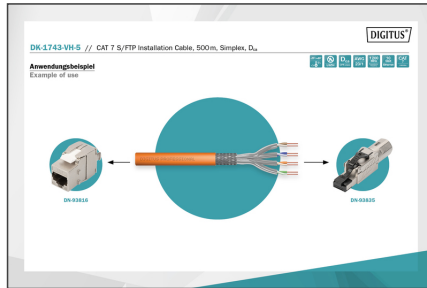
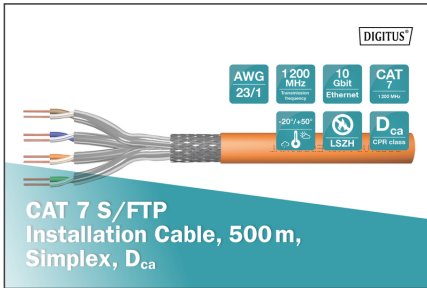
- Assortment: Twisted Pair Installation Cables
- Category: CAT 7
- Shielding: S-FTP, pairs in metal foil and braid shielding
- CPR: Dca
- Length: 500 m
- Color: orange
- Jacket: LSOH
- Structure: 4 x 2 AWG 23/1, solid twisted pair

Logistics						
	Number (pcs)	Weight (kg)	Depth (cm)	Width (cm)	Height (cm)	cm ³
Packaging Unit Carton	1	27.00	55.00	55.00	35.00	105.88
Packaging Unit Inside	1	27.00	55.00	55.00	35.00	105.88
Packaging Unit Single	1	27.00	55.00	55.00	35.00	105.88
Net single without Packaging	0	27.00	54.00	54.00	34.00	99.14

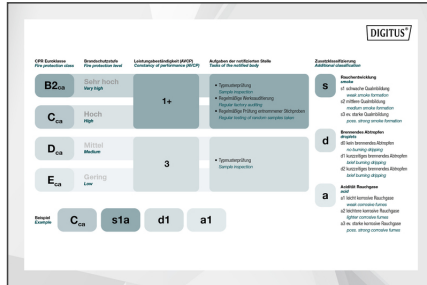
More images:



Parameter	Unit	Value
Frequency	MHz	1200
Attenuation	dB/100m	18.0
Return Loss	dB	20.0
Shielding Effectiveness	dB	100
Capacitance	pF/m	50
Inductance	nH/m	1000
Impedance	Ohm	100
Dielectric Constant		1.2
Temperature Coefficient	ppm/K	50
Conductivity	S/m	58
Resistivity	Ohm·m	1.7
Volume Resistivity	Ohm·cm	10 ¹⁴
Surface Resistivity	Ohm	10 ¹¹
Dielectric Loss		0.001
Volume Loss		0.001
Surface Loss		0.001
Temperature Coefficient of Resistance	ppm/K	50
Temperature Coefficient of Inductance	ppm/K	50
Temperature Coefficient of Capacitance	ppm/K	50
Temperature Coefficient of Impedance	ppm/K	50
Temperature Coefficient of Dielectric Constant	ppm/K	50
Temperature Coefficient of Loss	ppm/K	50
Temperature Coefficient of Conductivity	ppm/K	50
Temperature Coefficient of Resistivity	ppm/K	50
Temperature Coefficient of Volume Resistivity	ppm/K	50
Temperature Coefficient of Surface Resistivity	ppm/K	50
Temperature Coefficient of Dielectric Loss	ppm/K	50
Temperature Coefficient of Volume Loss	ppm/K	50
Temperature Coefficient of Surface Loss	ppm/K	50



Product Information	Physical Specifications
Product Name: CAT 7 S/FTP Installation Cable, 500m, Simplex, Dca	Color: Orange
Material: PVC, PE, LSZH	Shielding: Braided Shield, Foil Shield
Conductor: Copper	Insulation: PVC, PE, LSZH
Temperature Range: -20°C to +50°C	Flammability: LSZH
Humidity: 10% to 90% RH	UV Resistance: Yes
Storage Temperature: -20°C to +50°C	RoHS Compliant: Yes
Lead Time: 4 weeks	Warranty: 5 years



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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