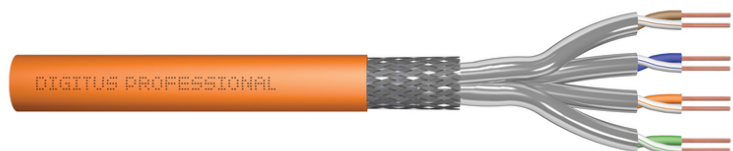


DIGITUS Cat.7 S/FTP installation cable, 500 m, simplex, Dca-s1a d1 a1

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

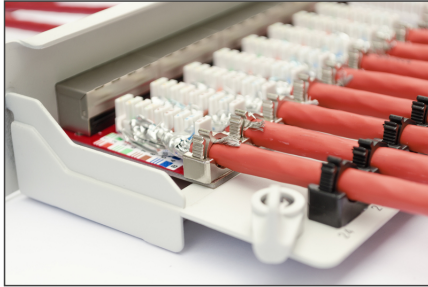
- Operating temperature range: -20 °C to +50 °C
- Installation temperature range: 0 °C to +50 °C
- Electrical properties:
- Impedance: 100±15 Ohm @ 4 - 1000 MHz; 100±25 OHM @ 100-600 MHz
- Capacitance: 45pF/m nom. at 1KHz
- Capacitance: 40 pF/m nominal @ 1 KHz
- Insulation resistance: 5 GOhm x km min.
- 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)	cm³
Packaging Unit Carton	1	27.00	55.00	55.00	35.00	105,875.00
Packaging Unit Inside	1	27.00	55.00	55.00	35.00	105,875.00
Packaging Unit Single	1	27.00	55.00	55.00	35.00	105,875.00
Net single without Packaging	1	26.84	55.00	55.00	35.00	105,875.00

More images:



DK-1743-VH-5 // CAT 7 S/FTP Installation Cable, 500m, Simplex, D_{ca}

Anwendungsbereich
Example of use

DK-1743-VH-5 // CAT 7 S/FTP Installation Cable, 500m, Simplex, D_{ca}

Kabelquerschnitt
Cable cross section

Produktbeschreibung Product Information		Physikalische Spezifikationen Physical Properties	
Bezeichnung / Item name:	DIGITUS Professional Networking CAT 7 S/FTP Installation Cable, 500m, Simplex, Dca	Bezeichnung / Item name:	DIGITUS Professional Networking CAT 7 S/FTP Installation Cable, 500m, Simplex, Dca
Part number:	DK-1743-VH-5 (EAN: 4021819590315)	Material:	Plastic sheath: PVC, Shield: Aluminum, Inner jacket: PE
AWG:	23/1	Line length:	500m
Frequency:	1200 MHz	Number of conductors:	4 (2 twisted pairs)
Speed:	10 Gbit Ethernet	Shield type:	Aluminum foil
Category:	CAT 7	Shield thickness:	0.15mm
Bend radius:	20° / ±50°	Conductor diameter:	0.125mm
LSZH:	Yes	Conductor insulation:	0.075mm
Dca Class:	Ca	Insulation resistance:	> 5000 MΩ km
		Dielectric constant:	~3.0
		Dielectric loss:	< 0.01
		Temperature range:	-40°C to +85°C
		Flammretardant:	UL94V0
		RoHS compliant:	Yes

Leitungseigenschaften, Normenkonformität

AWG	23/1	22/2	21/3	20/4	19/5	18/6	17/7	16/8	15/9
Outer diameter	4.8	5.0	5.2	5.4	5.6	5.8	6.0	6.2	6.4
Inner diameter	1.5	1.6	1.7	1.8	1.9	2.0	2.1	2.2	2.3
Insulation thickness	1.5	1.4	1.3	1.2	1.1	1.0	0.9	0.8	0.7
Conductor diameter	0.7	0.6	0.5	0.4	0.3	0.2	0.1	0.1	0.1

Normenkonformität (IEC 60332-3-24, EN 61300-3-35, EN 60754-2)

Certificate
No. 019A-17-11

Category 7

Zertifikat
No. 019A-17-11

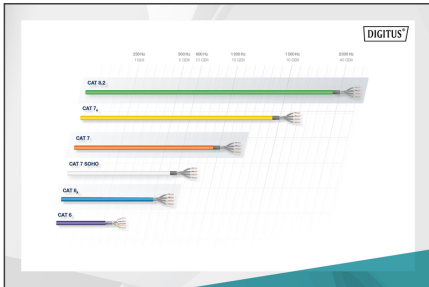
Kategorie 7

Certificate
No. 019A-17-11

Class Ca

Zertifikat
No. 019A-17-11

Klasse Ca



IEC 61300-3-35 Konformität

Shielding	Shielding effectiveness	Shielding frequency	Shielding layer
B2ca	High	1+	Shielding layer
Cca	Medium	3	Shielding layer
Dca	Medium	3	Shielding layer
Eca	Low	3	Shielding layer

Shielding effectiveness (dB):
1+ (20-29), 2 (30-39), 3 (40-49), 4 (50-59), 5 (60-69), 6 (70-79), 7 (80-89), 8 (90-89), 9 (100-109), 10 (110-119)

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