

DIGITUS® CAT 7A S/FTP, data cable - installation cable, 500 m, simplex, Dca-s1a d1 a1 , GHMT PVP certified

DK-1743-A-VH-5

EAN 4016032363842



CAT 7A S-FTP installation cable, 1500 MHz, Dca AWG 22/1, 500 m drum, Sx, yellow

The Digitus Cat 7 installation cable is designed for use in structured data centers and building cabling in accordance with ISO/IEC 11801, DIN EN 50288-4-1, DIN EN 50173, IEC 61156-7, EN 50288-9-1. The cable is ideal for the transmission of analog and digital data and supports PoE, PoE+, 4PPoE (IEEE 802.3af;3at;3bt). The shield structure consists of individually 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 22/1
- System(s) for the 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: tinned copper braiding
- Outer sheath: Dca to Cca in accordance with EN 50575; LSZH
- Outer sheath thickness (nominal): 0.60 mm (Dca); 0.60 mm (Cca)
- Outer sheath color: Yellow (RAL 1016)
- Mechanical properties:
- Strain relief: 150 N 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

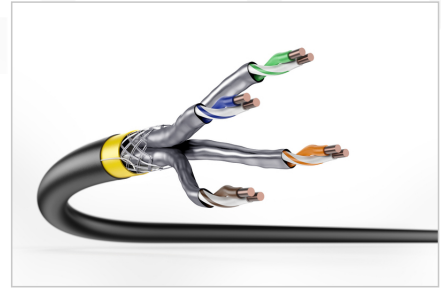
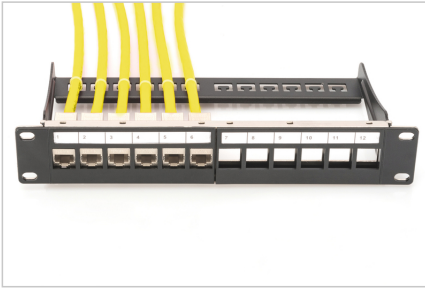
- Operating temperature range: -20 °C to +60 °C
- Installation temperature range: 0 °C to +50 °C
- Outer diameter (nominal): 7.8 mm (Dca); 7.8 mm (Cca)
- Weight (kg/km): 65 kg (Dca); 65 kg (Cca)
- Electrical properties:
- Impedance: 100±5 Ohm @ 1-1000 MHz
- Capacitance: 40 pF/m nominal @ 1 KHz
- Capacitance unbalance (pair-earth): 1.6 pF/m max. @ 1 KHz
- Insulation resistance: 5 GOhm x km min.
- Loop resistance: 147 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, corrosiveness: EN 60754-1/2 (LSOH)
- Smoke density: EN 61034-2

Attributes

- Assortment: Twisted Pair Installation Cables
- Category: CAT 7A
- Shielding: S-FTP, pairs in metal foil and braid shielding
- CPR: Dca
- Length: 500 m
- Color: yellow
- Jacket: LSOH
- Structure: 4 x 2 AWG 22/1, solid twisted pair

Logistics						
	Number (pcs)	Weight (kg)	Depth (cm)	Width (cm)	Height (cm)	cm³
Packaging Unit Carton	1	33.70	53.00	53.00	43.50	122,192.00
Packaging Unit Inside	1	33.70	53.00	53.00	43.50	122,192.00
Packaging Unit Single	1	33.70	50.00	50.00	26.00	65,000.00
Net single without Packaging	1	34.00	0.00	0.00	0.00	0.00

More images:



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1500 MHz
10 Gbit Ethernet
CAT 7e
1.000 MHz

AWG 22/21
LSZH
D Ca
CPE class

CAT 7e S/FTP Installation Cable, 500 m, Simplex, D_{Ca}

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DK.1743-A-VH-S // CAT 7e S/FTP Installation Cable, 500m, Simplex, D_{Ca}

Anwendungsbereich
Example of use

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Kabelquerschnitt
Cable cross section

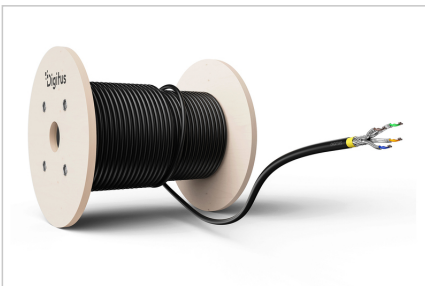
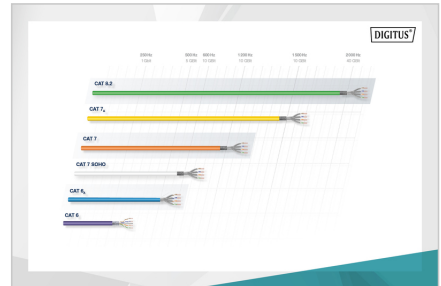
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Produktinformationen / Product Information	Physikalische Spezifikationen / Physical Properties
Bestellnummer / Order number: DK.1743-A-VH-S	Typ / Type: CAT 7e S/FTP Installation Cable
Hersteller / Manufacturer: ASSMANN ELECTRONIC GMBH	Material / Material: Polyethylene (PE) / Polypropylene (PP)
Produktbeschreibung / Product description: CAT 7e S/FTP Installation Cable, 500m, Simplex, D _{Ca}	Leistungsfähigkeit / Performance: 10 Gbit Ethernet, 1500 MHz
Technische Zeichnung / Technical drawing: See drawing	Temperaturbereich / Temperature range: -40°C to +75°C
Abmessungen / Dimensions: See drawing	Bestandteile / Components: See drawing
Material / Material: See drawing	Verpackung / Packaging: See drawing
Umweltbedingungen / Environmental conditions: See drawing	Abfallbehandlung / Waste disposal: See drawing
Wichtige Hinweise / Important notes: See drawing	Wichtige Hinweise / Important notes: See drawing

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Leistungsfähigkeit / Performance

Frequency	Att	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max
100	10	10	10	10	10	10	10	10	10	10	10	10
200	10	10	10	10	10	10	10	10	10	10	10	10
300	10	10	10	10	10	10	10	10	10	10	10	10
400	10	10	10	10	10	10	10	10	10	10	10	10
500	10	10	10	10	10	10	10	10	10	10	10	10
600	10	10	10	10	10	10	10	10	10	10	10	10
700	10	10	10	10	10	10	10	10	10	10	10	10
800	10	10	10	10	10	10	10	10	10	10	10	10
900	10	10	10	10	10	10	10	10	10	10	10	10
1000	10	10	10	10	10	10	10	10	10	10	10	10



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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