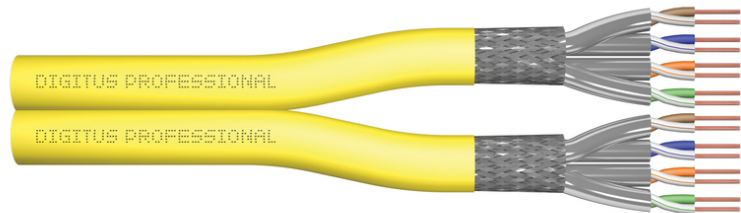


# DIGITUS® CAT 7A S/FTP, data cable - installation cable, 500 m, duplex, Dca-s1a d1 a1, GHMT PVP certified

DK-1743-A-VH-D-5  
EAN 4016032380610



## CAT 7A S-FTP installation cable, 1500 MHz Dca (EN 50575), AWG 22/1, 500 m drum, dx, 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) 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: Halogen-free (FRNC-C/LSZH-3)
- Outer sheath thickness: 0.6 mm nominal
- Color: Yellow (RAL 1016)
- Length: 500 m
- Mechanical properties:
- Tensile load: 150N 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

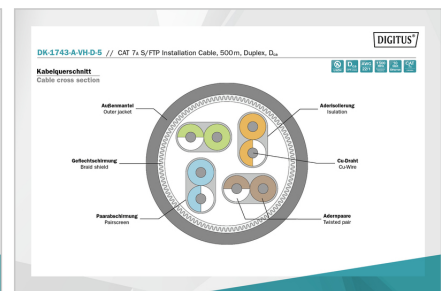
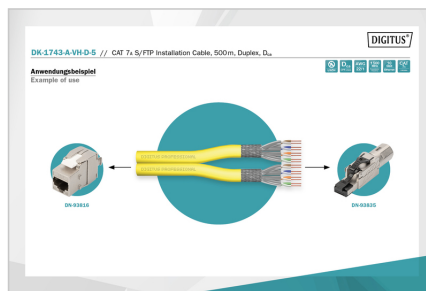
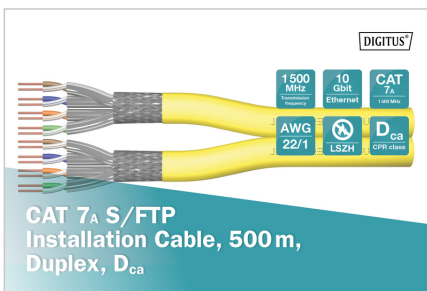
- Installation temperature range: 0 to +50C
- Outer diameter: 8.0 mm nominal
- Flame retardancy: IEC 60332-3-24
- Halogen-free & smoke-tight: IEC 60754-2 & IEC 61034
- Fire load: 700 MJ/km
- Weight: 70 kg/km
- Electrical properties:
- Average impedance: 100±5 Ohm at 1-600 MHz
- Capacitance: 40 pF/m nominal @ 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. resistance unbalance)
- Operating voltage: 72 Vdc max.
- Coupling attenuation: Grade 1 (CA-Type 1b)
- Time delay: 10 nS/100 m max.
- Phase delay: 450 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 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

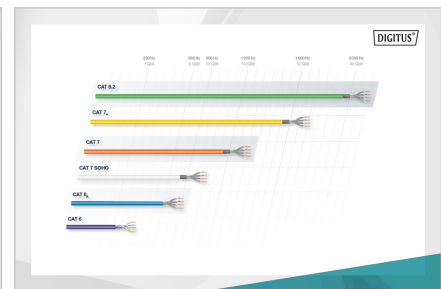
Logistics							
	Number (pcs)	Weight (kg)	Depth (cm)	Width (cm)	Height (cm)	cm <sup>3</sup>	
Packaging Unit Carton	1	71.00	50.00	53.00	53.00	140.45	
Packaging Unit Inside	1	71.00	50.00	53.00	53.00	140.45	
Packaging Unit Single	1	71.00	50.00	53.00	53.00	140.45	
Net single without Packaging	0	71.00	0.00	0.00	0.00	0.00	

More images:



Produktinformationen / Product Information	Physikalische Spezifikationen / Physical Properties
<b>Bestandteile / Components:</b> 1x CAT 7A S/FTP Installation Cable, 500m, Duplex, Dca	<b>Leistungsfähigkeit / Performance:</b> 10 Gbit Ethernet, 1500 MHz, 1000 Mbps
<b>Materialien / Materials:</b> Jacket: LSZH, Shield: Copper, Twisted Pair: Copper	<b>Temperaturbereich / Temperature Range:</b> -40°C to +75°C
<b>Abmessungen / Dimensions:</b> Length: 500m, Diameter: 10.5mm	<b>Widerstand / Resistance:</b> 100 Ohm

Leitungsverluste / Transmission Losses									
FREI	AT	NEUT	PS NEUT	AS	PS AS	AL	ELKST	PS ELKST	PS ELKST
1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
10	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
100	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
1000	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
10000	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0



CEC Konformität / CEC Compliance	Bestandteile / Components	Leistungsfähigkeit / Performance	Abmessungen / Dimensions	Zusätzliche Informationen / Additional Information
CEC	B2ca, Cca, Dca, Eca	1+	3	• 100% LSZH • 100% RoHS • 100% REACH • 100% WEEE
CEC	sta, d1, a1			• 100% LSZH • 100% RoHS • 100% REACH • 100% WEEE



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)