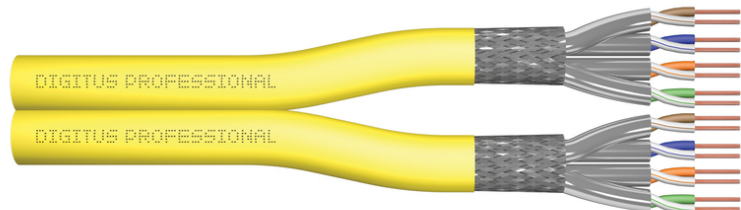


# DIGITUS CAT 7A S/FTP installation cable, 500 m, Duplex, B2ca

DK-1745-A-VH-D-5  
EAN 4016032435945



**CAT 7A S-FTP installation cable, 1500 MHz B2ca (EN 50575), AWG 22/1, 500 m drum, dx, yellow**

The DIGITUS® CAT 7A S/FTP installation cable features the following cable structure 4x2x AWG22/1 and achieves a transmission frequency of up to 1500 MHz. The halogen-free cable sheath complies with the standards IEC 60332-3-24, FRNC-C, LSZH-3 and CPR Euro class B2ca. The cable is suitable for building cabling in secondary and tertiary areas. Complies with the following standards ISO/IEC 11801, DIN EN 50173, DIN EN 50288-4-1.

**DIGITUS® CAT 7A S/FTP installation cable 4x2x AWG22/1 up to 1500 MHz. The halogen-free cable sheath complies with the standards IEC 60332-3-24, FRNC-C, LSZH-3 and CPR Euro class B2ca. Complies with ISO/IEC 11801, DIN EN 50173, DIN EN 50288-4-1.**

- Physical properties:
- Conductor: Bare annealed copper, solid AWG 22/1
- Insulation: SFS-PE (Foam-Skin Polyethylene)
- Total number of insulated conductors: 8, twisted in 4 pairs
- Color code: Blue-white, orange-white, green-white, brown-white
- Individual pair shielding: Aluminum foil, providing 100 % coverage
- Overall shielding: Copper braid
- Outer sheath: Eca to B2ca acc. to EN 50575; LSZH
- Outer sheath diameter (nominal): 0,50 mm (Eca); 0,52 mm (Dca); 0,60 mm (Cca); 0,60 (B2ca)
- Color: yellow (RAL 1028)
- Mechanical properties:
- Tensile loading: 150N max.
- Dynamic bending radius: 8x AD mm min.
- Static bending radius: 4x AD mm min.
- Shipping- and storage temperature range: -20 °C up to +75 °C

- Operating temperature range: -20 °C up to +50 °C
- Installation temperature range: 0 °C up to +50 °C
- Overall 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: 45 pF/m nominal @ 1 KHz
- Capacitance unbalance (pair-ground): 1.6 pF/m max. @ 1 KHz
- Insulation resistance: 5 GOhm x km min.
- DC resistance: 95 Ohm/km max. (2% max. resistance unbalance)
- DC loop resistance: 190 Ohm/km max. (2% max. resistance unbalance)
- Voltage resistance: 72 Vdc max.
- Coupling attenuation: CA-Type 1b
- Signal propagation delay: 450 nS/100 m max.
- Propagation delay: 10 nS/100 m max.
- Separating class: "d" acc. to EN 50174-2
- NVP: 79%

**Attributes**

- Assortment: Twisted Pair Installation Cables
- Category: CAT 7A
- Shielding: S-FTP, pairs in metal foil and braid shielding
- CPR: B2ca
- 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	66.25	55.00	55.00	47.50	143,688.00
Packaging Unit Inside	1	66.25	55.00	55.00	47.50	143,688.00
Packaging Unit Single	1	66.25	55.00	55.00	47.50	143,688.00
Net single without Packaging	1	0.00	0.00	0.00	0.00	0.00

More images:

**CAT 7a S/FTP Installation Cable, 100 m, Duplex, B2<sub>ca</sub>**

1500 MHz  
10 Gbit Ethernet  
CAT 7a  
AWG 22/1  
LSZH  
B2<sub>ca</sub> CPR class

**DK-1745-A-VH-D-5 // CAT 7a S/FTP Installation Cable, 500m, Duplex, B2<sub>ca</sub>**

**Anwendungsbeispiel**  
Example of use

**DK-1745-A-VH-D-5 // CAT 7a S/FTP Installation Cable, 500m, Duplex, B2<sub>ca</sub>**

**Kabelquerschnitt**  
Cable cross section

Labels: Außenmantel Outer jacket, Abschirmung Isolation, Schutzschicht Shield strand, Pauschen Pairs, Da-Dreh Core, Adresspaar Twisted pair.

**Produktinformationen Product Information**

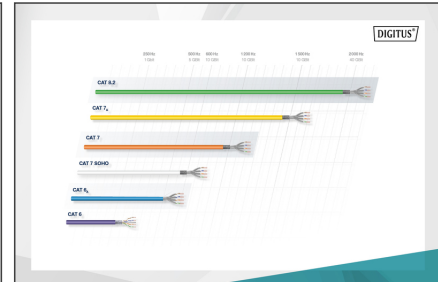
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Herstellerpartie Herstellerpartie Herstellerpartie Herstellerpartie	1745-A-VH-D-5 1745-A-VH-D-5 1745-A-VH-D-5 1745-A-VH-D-5

**Physikalische Spezifikationen Physical Properties**

Leitung	100 Ohm
Leitung	100 Ohm
Leitung	100 Ohm
Leitung	100 Ohm

**Leitungsparameter Transmission Properties**

Length	100 MHz	200 MHz	400 MHz	800 MHz	1.6 GHz	3.2 GHz	6.4 GHz
Attenuation	0.02	0.04	0.08	0.16	0.32	0.64	1.28
Reflection	0.01	0.02	0.04	0.08	0.16	0.32	0.64

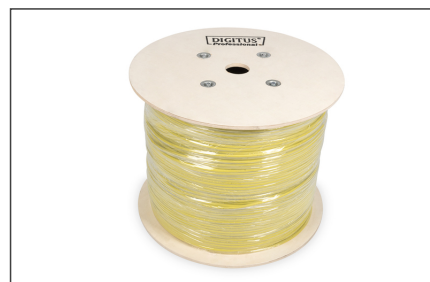


**CEP Konformität**

B2 <sub>ca</sub>	1+
C <sub>ca</sub>	3
D <sub>ca</sub>	3
E <sub>ca</sub>	3

**RoHS Konformität**

0	0	0	0	0	0	0	0	0	0
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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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