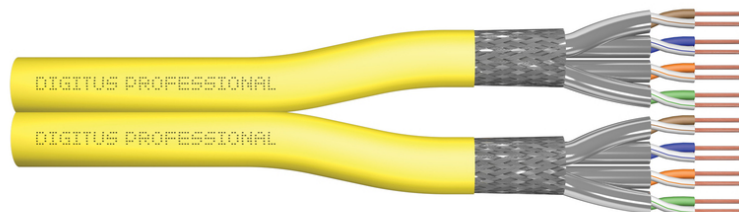


DIGITUS CAT 7A S/FTP installation cable, 500 m, Duplex, B2ca

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 1016)
- 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%
- 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_{ca}

- 1500 MHz
- 10 Gbit Ethernet
- CAT 7A
- AWG 22/1
- LSZH
- B2_{ca} CPR class

DK.1745-A-VH-D-5 // CAT 7A S/FTP Installation Cable, 500m, Duplex, B2_{ca}

Anwendungsbeispiel
Example of use

DK-93315 DK-93325

DK.1745-A-VH-D-5 // CAT 7A S/FTP Installation Cable, 500m, Duplex, B2_{ca}

Kabelquerschnitt
Cable cross section

- Außenmantel Outer jacket
- Isolationsschicht Isolation
- Leiterschicht Conductor
- Drhten Twisted pair
- Paraschicht Parascreen
- Schichtkennung Shield

Produktinformationen Product Information		Physikalische Spezifikationen Physical Properties	
Hersteller Hersteller Digitus GmbH, Niederfeld Road, Industriepark Höchst, Frankfurt am Main, Germany	Teilenummer Part Number DK.1745-A-VH-D-5	Line Category Cat. 7A S/FTP	Line Length 500m
Normen Normen ISO/IEC 11801, ISO/IEC 61905-1, EN 50173-1, EN 50173-2, EN 50521-1, EN 50521-2	Zusätzliche Informationen Additional Information Eigenschaften: LSZH, 100% Kupfer, 200µm Drhten, 100% Polyester, 100% PVC, 100% Baumwolle	Standard Standard ISO/IEC 11801 Class EA, ISO/IEC 61905-1 Class A	Material Material Polyester, PVC, Kupfer, Baumwolle
Elektrische Eigenschaften Electrical Properties		Mechanische Eigenschaften Mechanical Properties	
Leiterschichtkennung Conductor Identification 11801 Class EA, ISO/IEC 61905-1 Class A	Leiterschichtkennung Conductor Identification ISO/IEC 11801 Class EA, ISO/IEC 61905-1 Class A	Drhten Diameter 0,19mm	Drhten Diameter 0,19mm
Leiterschichtkennung Conductor Identification ISO/IEC 11801 Class EA, ISO/IEC 61905-1 Class A	Leiterschichtkennung Conductor Identification ISO/IEC 11801 Class EA, ISO/IEC 61905-1 Class A	Drhten Diameter 0,19mm	Drhten Diameter 0,19mm
Leiterschichtkennung Conductor Identification ISO/IEC 11801 Class EA, ISO/IEC 61905-1 Class A	Leiterschichtkennung Conductor Identification ISO/IEC 11801 Class EA, ISO/IEC 61905-1 Class A	Drhten Diameter 0,19mm	Drhten Diameter 0,19mm

Leitungsmodulparameter Transmission Properties

Length	Att	Att	Att	Att	Att	Att	Att
100	0,25	0,25	0,25	0,25	0,25	0,25	0,25
150	0,38	0,38	0,38	0,38	0,38	0,38	0,38
200	0,50	0,50	0,50	0,50	0,50	0,50	0,50
250	0,63	0,63	0,63	0,63	0,63	0,63	0,63
300	0,75	0,75	0,75	0,75	0,75	0,75	0,75
350	0,88	0,88	0,88	0,88	0,88	0,88	0,88
400	1,00	1,00	1,00	1,00	1,00	1,00	1,00
450	1,13	1,13	1,13	1,13	1,13	1,13	1,13
500	1,25	1,25	1,25	1,25	1,25	1,25	1,25

- CAT 6A: 100m
- CAT 7: 100m
- CAT 7 SHIELD: 100m
- CAT 6: 100m
- CAT 5E: 100m

EN Normen EN Standards	Brandenklasse Fire Classification	Leiterschichtkennung Conductor Identification	Drhten Diameter Wire Diameter	Leiterschichtkennung Conductor Identification	Drhten Diameter Wire Diameter
B2 _{ca}	Very High	1+	0,19mm	1+	0,19mm
C _{ca}	High	3	0,19mm	3	0,19mm
D _{ca}	Medium	3	0,19mm	3	0,19mm
E _{ca}	Low	3	0,19mm	3	0,19mm

