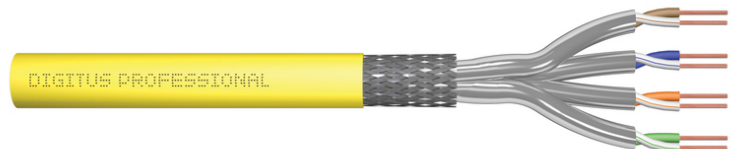


DIGITUS CAT 7A S/FTP installation cable, 500 m, Simplex, B2ca

DK-1745-A-VH-5
EAN 4016032435921



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

Digitus Cat 7A installation cable is designed for use in structured data center & building cabling in accordance with ISO/IEC 11801, DIN EN 50173, IEC 61156-7, EN 50288-9-1. Excellent for transmission of analog and digital, data, audio, video, signal transmission, 10 Gbit Ethernet, POE+. The shield structure consists of single shielded pairs with a tinned copper braid, which ensures excellent shielding and electrical values.

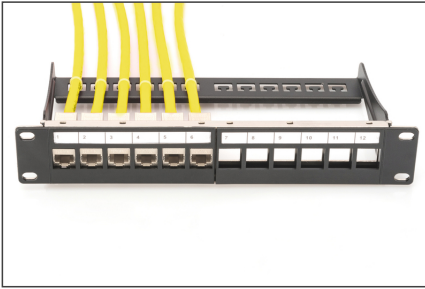
DIGITUS® CAT 7A S/FTP installation cable 4x2x AWG22/1 up to 1500 MHz. The halogen-free cable sheath complies with the standards IEC 60332-3-24, FRNC-C, LSZH-3 and CPR Euro class B2ca. Complies with ISO/IEC 11801, DIN EN 50173, DIN EN 50288-4-1.

- 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)
- 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 +60 °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
- Separating class: "d" acc. 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
- 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	33.57	55.00	55.00	22.50	68,062.50
Packaging Unit Inside	1	33.57	55.00	55.00	22.50	68,062.50
Packaging Unit Single	1	33.57	55.00	55.00	22.50	68,062.50
Net single without Packaging	1	0.00	0.00	0.00	0.00	0.00

More images:



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AWG 22/1 | 1500 MHz | 10 Cat.7 Ethernet | CAT 7A | 1000Mbps

20" x 50" | 6 | LSZH | B2ca | CPR class

CAT 7 A S/FTP Installation Cable, 500 m, Simplex, B2_{ca}

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DK-1745-A-VH-S // CAT 7 A S/FTP Installation Cable, 500m, Simplex, B2_{ca}

Anwendungsbeispiel
Example of use

DK-8555A

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DK-1745-A-VH-S // CAT 7 A S/FTP Installation Cable, 500m, Simplex, B2_{ca}

Kabelquerschnitt
Cable cross section

Adressierung: Daten-pair
Adressierung: Twisted-pair
Ch-Bundel: Cable
Adressierung: Twisted-pair
Panterschirmung: Shielding

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Produktinformation Product Information

Bezeichnung / Name	DK-1745-A-VH-S // CAT 7 A S/FTP Installation Cable, 500m, Simplex, B2 _{ca}	Hersteller / Manufacturer	DIGITUS
Part Number	DK-1745-A-VH-S	Part Number	DK-1745-A-VH-S
Material / Material	100% PVC, LSZH, RoHS, REACH	Material / Material	100% PVC, LSZH, RoHS, REACH
Color / Color	Yellow	Color / Color	Yellow
Length / Length	500m	Length / Length	500m
Weight / Weight	~1.5kg	Weight / Weight	~1.5kg
RoHS / RoHS	Yes	RoHS / RoHS	Yes
REACH / REACH	Yes	REACH / REACH	Yes

Technische Eigenschaften Physical Properties

Standard / Standard	ISO/IEC 11801-3 Class EA	Standard / Standard	ISO/IEC 11801-3 Class EA
Frequency / Frequency	1500 MHz	Frequency / Frequency	1500 MHz
Attenuation / Attenuation	≤ 20.5 dB/100m @ 1500 MHz	Attenuation / Attenuation	≤ 20.5 dB/100m @ 1500 MHz
Return Loss / Return Loss	≥ 15 dB @ 1500 MHz	Return Loss / Return Loss	≥ 15 dB @ 1500 MHz
Shielding Effectiveness / Shielding Effectiveness	≥ 65 dB @ 1500 MHz	Shielding Effectiveness / Shielding Effectiveness	≥ 65 dB @ 1500 MHz
Temperature Range / Temperature Range	-20°C to +70°C	Temperature Range / Temperature Range	-20°C to +70°C
Humidity / Humidity	5% to 95% RH	Humidity / Humidity	5% to 95% RH

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Leitungsparameter Transmission Properties

Paar / Pair	AWG / AWG	MDR / MDR	PL-MDR / PL-MDR	ACH / ACH	PL-ACH / PL-ACH	PL / PL	RL-MDR / RL-MDR	PL-RL-MDR / PL-RL-MDR
1	24	1.10	0.90	0.80	0.70	0.60	0.50	0.40
2	24	1.10	0.90	0.80	0.70	0.60	0.50	0.40
3	24	1.10	0.90	0.80	0.70	0.60	0.50	0.40
4	24	1.10	0.90	0.80	0.70	0.60	0.50	0.40
5	24	1.10	0.90	0.80	0.70	0.60	0.50	0.40
6	24	1.10	0.90	0.80	0.70	0.60	0.50	0.40
7	24	1.10	0.90	0.80	0.70	0.60	0.50	0.40
8	24	1.10	0.90	0.80	0.70	0.60	0.50	0.40
9	24	1.10	0.90	0.80	0.70	0.60	0.50	0.40
10	24	1.10	0.90	0.80	0.70	0.60	0.50	0.40
11	24	1.10	0.90	0.80	0.70	0.60	0.50	0.40
12	24	1.10	0.90	0.80	0.70	0.60	0.50	0.40
13	24	1.10	0.90	0.80	0.70	0.60	0.50	0.40
14	24	1.10	0.90	0.80	0.70	0.60	0.50	0.40
15	24	1.10	0.90	0.80	0.70	0.60	0.50	0.40
16	24	1.10	0.90	0.80	0.70	0.60	0.50	0.40
17	24	1.10	0.90	0.80	0.70	0.60	0.50	0.40
18	24	1.10	0.90	0.80	0.70	0.60	0.50	0.40
19	24	1.10	0.90	0.80	0.70	0.60	0.50	0.40
20	24	1.10	0.90	0.80	0.70	0.60	0.50	0.40
21	24	1.10	0.90	0.80	0.70	0.60	0.50	0.40
22	24	1.10	0.90	0.80	0.70	0.60	0.50	0.40
23	24	1.10	0.90	0.80	0.70	0.60	0.50	0.40
24	24	1.10	0.90	0.80	0.70	0.60	0.50	0.40

Publikationsdatum: 10/2019, gültig bis: 10/2024

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Certificate
No. 0887-23

Zertifikat
No. 0887-23

Class E1

2 Connector Parameters UHL, Copper, Class E1

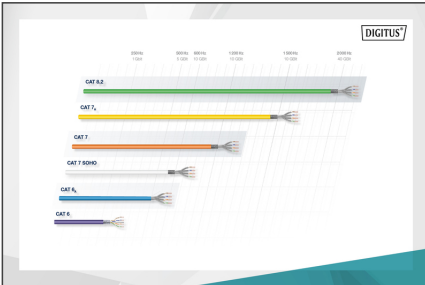
GHMT Type Approval

DIGITUS

CE (EMC)

CE (RoHS)

ASBmann



DIGITUS

CE (EMC)

CE (RoHS)

ASBmann

