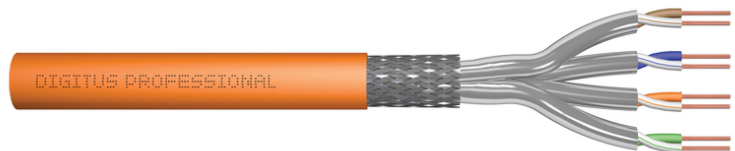


# DIGITUS Cat.7 S/FTP installation cable, 100 m, simplex, B2ca

DK-1745-VH-1  
EAN 4016032441779



## CAT 7 S-FTP installation cable, 1200 MHz B2ca (EN 50575), AWG 23/1, 100 m ring, Sx, orange

The Digitus Cat 7 installation cable is designed for use in the structured data center and the building cabling according to ISO/IEC 11801, DIN EN 50288-4-1, DIN EN 50173, IEC 61156-7, EN 50288-9-1. The cable is perfectly suitable for the transmission of both analog and digital data and also supports POE and POE+. The shielding structure is composed of single 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 23/1
- 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: B2ca according to EN 50575; LSZH
- Color: Orange (RAL 2008)
- Mechanical properties:
- Strain relief: 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 +50 °C

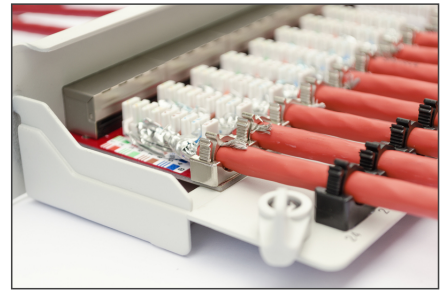
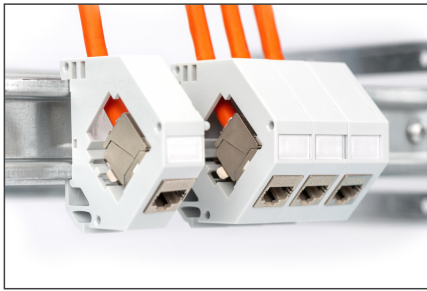
- Installation temperature range: 0 °C to +50 °C
- Electrical properties:
- Impedance: 100±15 Ohm @ 4 - 1000 MHz; 100±25 OHM @ 100-600 MHz
- Capacitance: 45 pF/m nominal @ 1 KHz
- Insulation resistance: 5 GOhm x km min.
- DC resistance: 95 Ohm/km max. (2% max. unbalanced resistance)
- Loop resistance: 190 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 7
- Shielding: S-FTP, pairs in metal foil and braid shielding
- CPR: B2ca
- Length: 100 m
- Color: orange
- Jacket: LSOH
- Structure: 4 x 2 AWG 23/1, solid twisted pair

Logistics						
	Number (pcs)	Weight (kg)	Depth (cm)	Width (cm)	Height (cm)	cm <sup>3</sup>
Packaging Unit Carton	1	5.16	33.00	33.00	11.00	11,979.00
Packaging Unit Inside	1	5.16	33.00	33.00	11.00	11,979.00
Packaging Unit Single	1	5.16	33.00	33.00	11.00	11,979.00
Net single without Packaging	1	0.00	33.00	33.00	11.00	0.00

More images:



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AWG 23/1 | 1200 MHz | 10 Gbit Ethernet | CAT 7 | 1000 m

20°/45° | LSZH | B2<sub>ca</sub> | CPFL class

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

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DK-1745-VH-1 // CAT 7 S/FTP Installation Cable, 100m, Simplex, B2<sub>ca</sub>

**Anwendungsbeispiel**  
Example of use

DK-9355

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DK-1745-VH-1 // CAT 7 S/FTP Installation Cable, 100m, Simplex, B2<sub>ca</sub>

**Kabelquerschnitt**  
Cable cross section

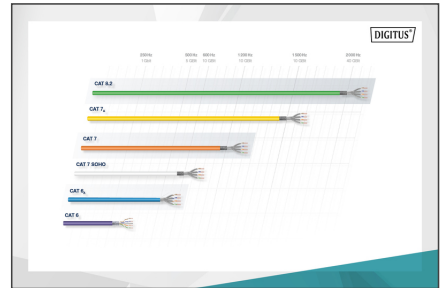
Adressierter Datenkanal  
Adressierung  
Co-Braid Co-Wire  
Adressierter Shield-jacket  
Paardraderkabel  
Paardraderkabel

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Produktdatenblatt Produkt Information	Physische Spezifikationen Physical Properties
<b>Bestandteile</b> Produktname: CAT 7 S/FTP Installation Cable, 100m, Simplex, B2 <sub>ca</sub> Produktcode: DK-1745-VH-1 EAN: 4054905011111 UPC: 7615934011111 Hersteller: ASSMANN Electronic GmbH	<b>Material</b> Draht: Kupfer Isolierung: PVC Beschichtung: LSZH Dichtung: PVC
<b>Technische Eigenschaften</b> Produktgruppe: CAT 7 S/FTP Produkttyp: CAT 7 S/FTP Installation Cable Produktgröße: 100m Produktfarbe: Orange Produktgewicht: 0,5kg Produktlänge: 100m Produktbreite: 10mm Produkthöhe: 10mm	<b>Physische Eigenschaften</b> Drahtquerschnitt: 0,20mm Drahtanzahl: 12 Drahtmaterial: Kupfer Drahtlänge: 100m Drahtgewicht: 0,5kg Drahtbreite: 10mm Drahthöhe: 10mm

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Leitungsparameter, Transmitter Properties											
PAIR	MIT	MEET	PRE NEXT	ALO	PS NEXT	ML	BLKBY	PRE NEXT	COL	ML	BLKBY
1	2	3	4	5	6	7	8	9	10	11	12
1	2	3	4	5	6	7	8	9	10	11	12
1	2	3	4	5	6	7	8	9	10	11	12
1	2	3	4	5	6	7	8	9	10	11	12
1	2	3	4	5	6	7	8	9	10	11	12
1	2	3	4	5	6	7	8	9	10	11	12
1	2	3	4	5	6	7	8	9	10	11	12
1	2	3	4	5	6	7	8	9	10	11	12



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ENF Konformität	Bestandteile	Leitungsparameter ENF	Adressierter Datenkanal	Zusatzfunktionen
B2 <sub>ca</sub>	Shield High	1+	• 20/25µm • 1200MHz • 10Gbit Ethernet • LSZH • CPFL class	• 20/25µm • 1200MHz • 10Gbit Ethernet • LSZH • CPFL class
C <sub>ca</sub>	Shield High	3	• 20/25µm • 1200MHz • 10Gbit Ethernet • LSZH • CPFL class	• 20/25µm • 1200MHz • 10Gbit Ethernet • LSZH • CPFL class
D <sub>ca</sub>	Shield High	3	• 20/25µm • 1200MHz • 10Gbit Ethernet • LSZH • CPFL class	• 20/25µm • 1200MHz • 10Gbit Ethernet • LSZH • CPFL class
E <sub>ca</sub>	Shield Low	3	• 20/25µm • 1200MHz • 10Gbit Ethernet • LSZH • CPFL class	• 20/25µm • 1200MHz • 10Gbit Ethernet • LSZH • CPFL class

ENF Konformität: C<sub>ca</sub> s1a d1 a1



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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