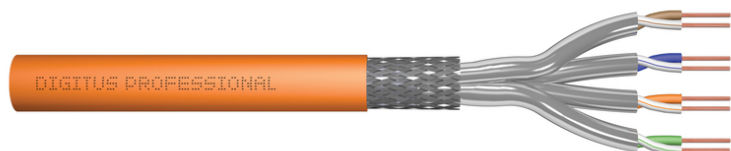


# DIGITUS Cat.7 S/FTP installation cable, 500 m, simplex, Cca-s1a d1 a1

DK-1744-VH-5  
EAN 4016032441731



### CAT 7 S-FTP installation cable, 1200 MHz Cca (EN 50575), AWG 23/1, 500 m drum, simplex, or

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 60332-3-24, EN 50575. 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.

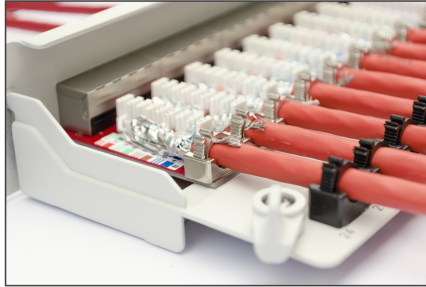
#### Future-oriented standards and high-end quality for your network.

- Physical properties:
- Conductor: Bare annealed copper, solid AWG 23/1
- 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: Cca-s1a d1 a1.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: Orange (RAL 2008)
- 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
- 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%
- Flame spread: EN 60332-3-24 (LSOH-PVC)
- Assortment: Twisted Pair Installation Cables
- Category: CAT 7
- Shielding: S-FTP, pairs in metal foil and braid shielding
- CPR: Cca
- Length: 500 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	27.00	54.00	54.00	34.00	99,144.00
Packaging Unit Inside	1	27.00	54.00	54.00	34.00	99,144.00
Packaging Unit Single	1	27.00	54.00	54.00	34.00	99,144.00
Net single without Packaging	1	55.00	54.00	54.00	34.00	0.00

More images:



**DIGITUS**

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

20° / 150° | LSZH | C<sub>ca</sub> | EPR class

**CAT 7 S/FTP Installation Cable, 500m, Simplex, C<sub>ca</sub>**

**DK-1744-VH-5 // CAT 7 S/FTP Installation Cable, 500m, Simplex, C<sub>ca</sub>**

**Anwendungsbereich**  
Example of use

**DK-1744-VH-10 // CAT 7 S/FTP Installation Cable, 1000m, Simplex, C<sub>ca</sub>**

**Kabelquerschnitt**  
Cable cross section

**DIGITUS**

Produktdatenblatt Product Information		Physikalische Spezifikationen Physical Properties	
Bezeichnung / Name	DK-1744-VH-10 (1000m) / DK-1744-VH-5 (500m)	Material / Material	LSZH (low smoke zero halogen) / LSZH (low smoke zero halogen)
Hersteller / Manufacturer	DIGITUS Professional Networking	Norm / Standard	ISO 9001:2015 / ISO 14001:2015
Artikelnummer / Article number	DK-1744-VH-10 (1000m) / DK-1744-VH-5 (500m)	Abmessung / Dimension	23 AWG / 23 AWG
Farbe / Color	Orange	Lebensdauer / Lifetime	> 100 Jahre / > 100 years
Lebensdauer / Lifetime	> 100 Jahre / > 100 years	Temperaturbereich / Temperature range	-40°C bis +85°C / -40°C to +85°C
Lebensdauer / Lifetime	> 100 Jahre / > 100 years	Temperaturbereich / Temperature range	-40°C bis +85°C / -40°C to +85°C
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**Leistungseigenschaften, Normenwerte Properties**

AWG	23	24	25	26	27	28	29	30	31	32
AWG	23	24	25	26	27	28	29	30	31	32
AWG	23	24	25	26	27	28	29	30	31	32
AWG	23	24	25	26	27	28	29	30	31	32
AWG	23	24	25	26	27	28	29	30	31	32
AWG	23	24	25	26	27	28	29	30	31	32
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AWG	23	24	25	26	27	28	29	30	31	32
AWG	23	24	25	26	27	28	29	30	31	32
AWG	23	24	25	26	27	28	29	30	31	32
AWG	23	24	25	26	27	28	29	30	31	32

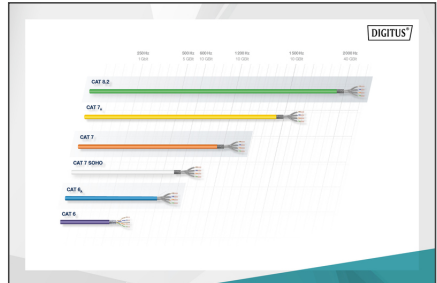
**GHMT**

**Certificate**  
No. 19118-19-E

**Zertifikat**  
No. 19118-19-E

Category 7

Category 7



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**ULP System**

System	Brandmark	Leistungseigenschaft (MHz)	Abgleich für verbindliche Tests	Zusammenfassung
B2 <sub>ca</sub>	High	1200	1+	• Spannungsfeld • Magnetfeld • Magnetfeld-Resonanz • Magnetfeld-Resonanz • Magnetfeld-Resonanz
C <sub>ca</sub>	High	1200	1+	• Spannungsfeld • Magnetfeld • Magnetfeld-Resonanz • Magnetfeld-Resonanz • Magnetfeld-Resonanz
D <sub>ca</sub>	High	1200	1+	• Spannungsfeld • Magnetfeld • Magnetfeld-Resonanz • Magnetfeld-Resonanz • Magnetfeld-Resonanz
E <sub>ca</sub>	High	1200	1+	• Spannungsfeld • Magnetfeld • Magnetfeld-Resonanz • Magnetfeld-Resonanz • Magnetfeld-Resonanz

System: 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.

ASSMANN Electronic GmbH  
Auf dem Schüffel 3  
Lüdenscheid, Germany  
<https://www.assmann.com>  
[info@assmann.com](mailto:info@assmann.com)