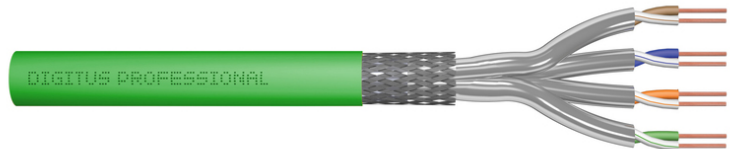


# DIGITUS® CAT 8.2 S/FTP data cable - installation cable, 500 m, simplex, Dca-s2,d1,a1

DK-1843-VH-5

EAN 4016032380542



## CAT 8.2 S-FTP installation cable, 2000 MHz, AWG 22/1 Dca, 500 m, drum, simplex, grün

The Digitus Cat 8.2 S/FTP installation cable is designed for use in structured data centers and building cabling in accordance with ISO/IEC 11801, DIN EN 50288-12-1, DIN EN 50173, IEC 60332-3-24. The cable is ideal for the transmission of analog and digital data and supports POE. The shield structure consists of individually 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 22/1
- 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: Tinned copper braiding
- Outer sheath: Dca-s2,d1,a1 according to EN 50575
- Outer sheath thickness (nominal): 0.55 mm nominal
- Outer sheath color: Green
- 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 +75 °C
- Operating temperature range: -20 °C to +60 °C

- Installation temperature range: 0 °C to +50 °C
- Outer diameter simplex (nominal): 7.9 mm nominal (Dca)
- Weight (kg/km): 65 kg/km
- Electrical properties:
- Impedance: 100±15 Ohm @ 1 - 2000MHz
- Capacitance: 99 pF/30m nominal @ 1 KHz
- Capacitance unbalance (pair-earth): 99pF/30m max. @ 1 KHz
- Insulation resistance: 5 GOhm x km min.
- DC resistance: 2.4 Ohm/30m max. (4% max. unbalanced resistance)
- Loop resistance: 5.6 Ohm/24m max. (3% max. unbalanced resistance)
- Operating voltage: 72 Vdc max.
- Coupling attenuation: CA-Type 1
- Phase delay: 171 nS/30 m max.
- Time delay: 13.5 nS/130 m max.
- Separation class: "d" according to EN 50174-2
- NVP: 74%

### Attributes

- Assortment: Twisted Pair Installation Cables
- Category: CAT 8.2
- Shielding: S-FTP, pairs in metal foil and braid shielding
- CPR: Dca
- Length: 500 m
- Color: green
- Jacket: LSOH
- Structure: 4 x 2 AWG 22/1, solid twisted pair

### Package contents

- CAT 8.2 S/FTP installation cable on drum, 500 m, simplex, Dca

## Logistics

	Number (pcs)	Weight (kg)	Depth (cm)	Width (cm)	Height (cm)	cm <sup>3</sup>
<b>Packaging Unit Carton</b>	1	33.00	50.00	50.00	26.00	65,000.00
<b>Packaging Unit Inside</b>	1	33.00	34.00	39.50	39.50	53,048.50
<b>Packaging Unit Single</b>	1	33.00	34.00	39.50	39.50	53,048.50
<b>Net single without Packaging</b>	1	33.00	50.00	50.00	26.00	0.00

### More images:



**Digitus**

**CFR-Einstufung:** B2ca, Cca, Dca, Eca

**Brandenklasse:** Sehr hoch, Hoch, Mittel, Gering

**Lebenszyklusdauer (LSD):** 1+, 3

**Adaptieren an veränderliche Werte:** • Symmetrisch, • Asymmetrisch

**Erweiterbarkeit:** s, d, a

**Standard:** Cca, s1a, d1, a1

**Digitus**

**AWG 22/1**, **2000 MHz**, **40 Gbit Ethernet**, **CAT 8.2**

**20° / +60°**, **LSZH**, **Dca CB**, **CFR class**

**CAT 8.2 S/FTP Installation Cable, 500m, Simplex, Dca**

**Digitus**

**DK-1843-VH-5 // CAT 8.2 S/FTP Installation Cable, 500m, Simplex, Dca**

**Anwendungsbild:** Example of use

**Digitus**

**DK-1843-VH-5 // CAT 8.2 S/FTP Installation Cable, 500m, Simplex, Dca**

**Kabelquerschnitt:** Cable cross section

Labels: Adressiert oder patch, Adressierung, Geflechtstrahlung, Co-Braid, Adressen, Parallelschicht, Parallelschicht, Adressen, Adressen

**Digitus**

Produktdaten	Physikalische Spezifikationen	Mechanische Spezifikationen
Produktname: CAT 8.2 S/FTP Installation Cable, 500m, Simplex, Dca	Lebensdauer: 10 Jahre	Lebensdauer: 10 Jahre
Material: PVC, PE, LSZH	Temperaturbereich: -20°C bis +60°C	Temperaturbereich: -20°C bis +60°C
Lebenszyklusdauer (LSD): 1+	Brandenklasse: B2ca, Cca, Dca, Eca	Brandenklasse: B2ca, Cca, Dca, Eca

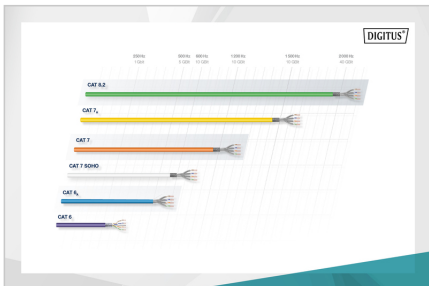
**Digitus**

Leistungseigenschaften	Technische Parameter
Leistung: 100W	Leistung: 100W
Spannung: 220V	Spannung: 220V
Frequenz: 50Hz	Frequenz: 50Hz

**Compliance Statement**

Digitus Professional Networks

CE, RoHS, REACH, WEEE, etc.



### 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.

- For indoor cables (LSZH jacket): Suitable only for installation in dry indoor environments.
- 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)