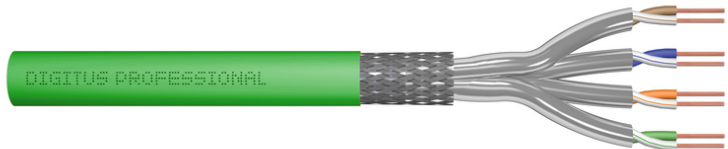


DIGITUS® CAT 8.2 S/FTP data cable - installation cable, 100 m, simplex, Dca

DK-1843-VH-1

EAN 4016032476207



CAT 8.2 S-FTP installation cable, 2000 MHz Dca, 100 m, ring, AWG 22/1, simplex, green

The DIGITUS® Professional CAT 8.2 S/FTP installation cable is characterized by the following cable construction 4x2x AWG22/1 and achieves a transmission frequency of up to 2000 MHz. The halogen-free cable sheath complies with IEC 60332-3-24, FRNC-C, LSZH-3 and CPR Euroclass Dca standards. The cable is suitable for building cabling in secondary and tertiary applications. Complies with the following standards: ISO/IEC 11801, DIN EN 50173, DIN EN 50288-12-1.

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

- Physical properties:
- Conductor: Bare copper wire, AWG 22/1
- 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±15Ohm @ 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: 2.4Ohm/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

- Category: CAT 8.2
- Shielding: S-FTP, pairs in metal foil and braid shielding
- CPR: Dca
- Length: 100 m
- Color: green
- Jacket: LSOH
- Structure: 4 x 2 AWG 22/1, solid twisted pair

Package contents

- CAT 8.2 S/FTP installation cable 100 m, ring, simplex, Dca

Logistics						
	Number (pcs)	Weight (kg)	Depth (cm)	Width (cm)	Height (cm)	cm³
Packaging Unit Carton	1	6.00	33.00	33.00	14.00	15,246.00
Packaging Unit Inside	1	6.00	29.00	29.00	17.00	14,297.00
Packaging Unit Single	1	6.00	29.00	29.00	17.00	14,297.00
Net single without Packaging	1	6.00	33.00	33.00	14.00	0.00

More images:



CAT 8.2 S/FTP Installation Cable, 100m, Simplex, D_{ca}

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Anwendungsbeispiel
Example of use

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Kabelquerschnitt
Cable cross section

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Produktinformation Produkt Information

Produktname	Produktbeschreibung	Leistungsmerkmale/Features	Abmessungen/Dimensions	Anwendungsbereich
B2ca	Grüner Hochwertig	• Sperrschicht	1+	• Sperrschicht
Cca	Ribbchen	• Kupfergeflecht	3	• Kupfergeflecht
Dca	Kabel	• Kupfergeflecht	3	• Kupfergeflecht
Eca	Grüner	• Sperrschicht	3	• Sperrschicht

Elektrische Spezifikationen Electrical Properties

Parameter	Value
Impedance	100 Ohm
Attenuation	1.5 dB/100m
Return Loss	15 dB

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Leistungseigenschaften Transmission Properties

Length	Attenuation	Return Loss	Insertion Loss	Reflection Coefficient
100m	1.5 dB	15 dB	0.1 dB	-15 dB
50m	0.75 dB	15 dB	0.05 dB	-15 dB
25m	0.375 dB	15 dB	0.025 dB	-15 dB
10m	0.15 dB	15 dB	0.01 dB	-15 dB

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Compliance Statement

RoHS Compliant

REACH Compliant

CE Marked

UL Marked

UL 157

UL 158

UL 159

UL 160

UL 161

UL 162

UL 163

UL 164

UL 165

UL 166

UL 167

UL 168

UL 169

UL 170

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Produktvergleich Product Comparison

Category	Digitus	Other
CAT 8.2	Yes	No
CAT 7	No	Yes
CAT 6	No	Yes
CAT 5	No	Yes
CAT 4	No	Yes
CAT 3	No	Yes
CAT 2	No	Yes

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Produktvergleich Product Comparison



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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