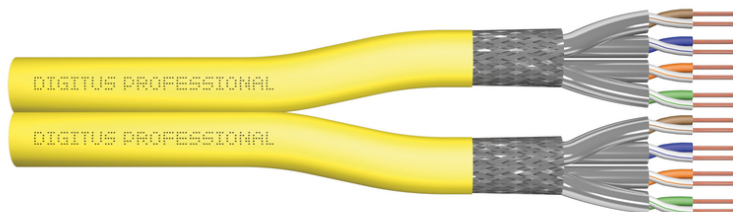


DIGITUS Cat. 7A class FA, S/FTP, Twisted Pair installation cable, 500 m, duplex, 1500 MHz

DK-1744-A-VH-D-5-P
EAN 4016032463726



CAT 7A S-FTP installation cable, 1500 MHz Cca, AWG 22/1, 500 m, Dx, color yellow

The DIGITUS® cat. 7A S/FTP installation cable features the following cable structure 4x2x AWG22/1 and achieves a transmission frequency of up to 1500 MHz. The halogen-free cable sheath complies with the standards IEC 60332-3-24, FRNC-C, LSZH-3 and BauPVO Euroclass Cca. The cable is suitable for structured building cabling in secondary and tertiary areas. Complies with the standards ISO/IEC 11801, DIN EN 50173, DIN EN 50288-9-1.

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

- Physical properties
- Cable: Bare copper wire, AWG 22/1
- Insulation: SFS-PE (foamed polyethylene sheath)
- Total number of insulated conductors: 8, twisted in 4 pairs
- Color code: Blue-white, orange-white, green-white, brown-white
- Shielding of the individual pairs: Aluminum-covered polyester film, 100% coverage
- Overall shielding: Copper mesh
- Outer sheath: Dca to CCA complies with EN 50575
- Outer sheath thickness (nominal): 0.60 mm (CCA)
- Outer sheath color: Sulfur yellow (RAL 1028)
- Mechanical properties
- Cable grip: 150 N 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

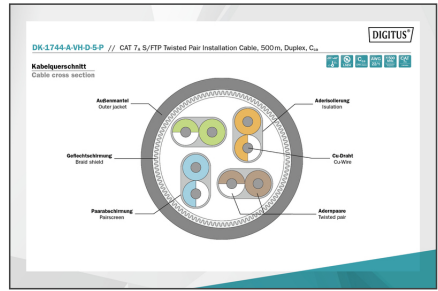
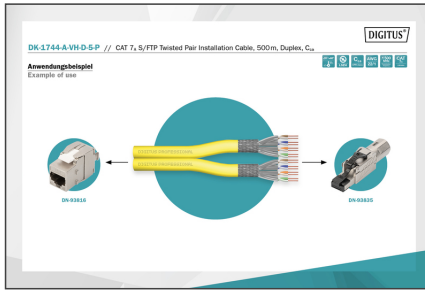
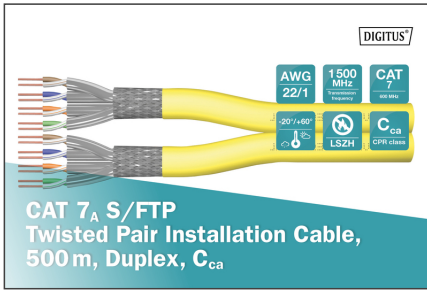
- Installation temperature range: 0 °C to +50 °C
- External diameter simplex (nominal): 8.0 mm (CCA)
- Weight (kg/km): 68.0 kg (CCA)
- Electrical properties
- Impedance: 100 ± 5 ohm @ 1-1000 MHz
- Capacity: 40 pF/m nominal @ 1 KHz
- Capacity unbalance (pair earth): 1.6 pF/m max. @ 1 KHz
- Insulation resistance: 5 Gohm x km min.
- DC resistance: 72 ohm/km max. (2% max. non-balanced resistance)
- Loop resistance: 147 ohm/km max. (2% max. non-balanced resistance)
- Operating voltage: 72 VDC max.
- Insertion loss: 80 dB
- Phase delay: 450 nS/100 m max.
- Signal delay: 10 nS/100 m max.
- Segregation classification: "d" in accordance with EN 50174-2
- NVP: 75%

Attributes

- Assortment: Twisted Pair Installation Cables
- Category: CAT 7A
- Shielding: S-FTP, pairs in metal foil and braid shielding
- CPR: Cca
- 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)	cm ³
Packaging Unit Carton	1	70.75	50.00	53.00	53.00	140,450.00
Packaging Unit Inside	1	70.75	50.00	53.00	53.00	140,450.00
Packaging Unit Single	1	70.75	50.00	53.00	53.00	140,450.00
Net single without Packaging	1	0.00	0.00	0.00	0.00	0.00

More images:

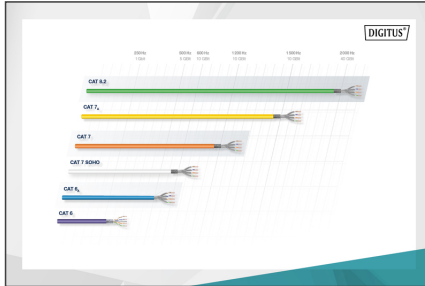


Produktinformationen Product Information		Physikalische Spezifikationen Physical Properties	
Hersteller/Manufacturer: ASSMANN Electronic GmbH, 74078 Heilbronn	Produktname/Product Name: CAT 7A S/FTP Twisted Pair Installation Cable, 500m, Duplex, Cca	Teilenummer/Part Number: DK-1744-A-VH-D-5-P	Material/Material: Polyethylene (PE)
Normen/Standards: EN 50323-3-10, EN 50323-3-11, EN 50323-3-12, EN 50323-3-13, EN 50323-3-14, EN 50323-3-15, EN 50323-3-16, EN 50323-3-17, EN 50323-3-18, EN 50323-3-19, EN 50323-3-20, EN 50323-3-21, EN 50323-3-22, EN 50323-3-23, EN 50323-3-24, EN 50323-3-25, EN 50323-3-26, EN 50323-3-27, EN 50323-3-28, EN 50323-3-29, EN 50323-3-30, EN 50323-3-31, EN 50323-3-32, EN 50323-3-33, EN 50323-3-34, EN 50323-3-35, EN 50323-3-36, EN 50323-3-37, EN 50323-3-38, EN 50323-3-39, EN 50323-3-40, EN 50323-3-41, EN 50323-3-42, EN 50323-3-43, EN 50323-3-44, EN 50323-3-45, EN 50323-3-46, EN 50323-3-47, EN 50323-3-48, EN 50323-3-49, EN 50323-3-50, EN 50323-3-51, EN 50323-3-52, EN 50323-3-53, EN 50323-3-54, EN 50323-3-55, EN 50323-3-56, EN 50323-3-57, EN 50323-3-58, EN 50323-3-59, EN 50323-3-60, EN 50323-3-61, EN 50323-3-62, EN 50323-3-63, EN 50323-3-64, EN 50323-3-65, EN 50323-3-66, EN 50323-3-67, EN 50323-3-68, EN 50323-3-69, EN 50323-3-70, EN 50323-3-71, EN 50323-3-72, EN 50323-3-73, EN 50323-3-74, EN 50323-3-75, EN 50323-3-76, EN 50323-3-77, EN 50323-3-78, EN 50323-3-79, EN 50323-3-80, EN 50323-3-81, EN 50323-3-82, EN 50323-3-83, EN 50323-3-84, EN 50323-3-85, EN 50323-3-86, EN 50323-3-87, EN 50323-3-88, EN 50323-3-89, EN 50323-3-90, EN 50323-3-91, EN 50323-3-92, EN 50323-3-93, EN 50323-3-94, EN 50323-3-95, EN 50323-3-96, EN 50323-3-97, EN 50323-3-98, EN 50323-3-99, EN 50323-3-100	Leistungsfähigkeit/Performance: CAT 7A S/FTP Twisted Pair Installation Cable, 500m, Duplex, Cca	Temperaturbereich/Temperature Range: -40°C to +75°C	
Elektrische Eigenschaften Electrical Properties		Mechanische Eigenschaften Mechanical Properties	
Impedanz/Impedance: 100 Ω ± 0.5%	Leitungsverlust/Conduction Loss: 0.1 dB/100m	Bruchdehnung/Break Elongation: 10%	Steifigkeit/Stiffness: 1.5 N/mm
Reflexionskoeffizient/Reflection Coefficient: <math>S_{11} < -20 \text{ dB}</math>	Isolation/Isolation: > 60 dB	Bruchkraft/Break Force: 100 N	Streckgrenze/Yield Point: 100 MPa
Leitfähigkeit/Conductivity: 10^6 S/m	Leitungsabweichung/Conduction Deviation: 0.1 dB/100m	Bruchenergie/Break Energy: 100 J	Bruchverformung/Break Strain: 10%
Leitungsabweichung/Conduction Deviation: 0.1 dB/100m	Leitungsabweichung/Conduction Deviation: 0.1 dB/100m	Bruchenergie/Break Energy: 100 J	Bruchverformung/Break Strain: 10%

Leistungseigenschaften Performance Properties											
PAIRS	ACT	MEET	PER MEET	ACT	PER ACT	PL	ELVET	PER ELVET	ACT	PER ACT	PER ELVET
1	1.2	1.4	1.27	1.08	1.4	1.08	1.08	1.08	1.08	1.08	1.08
2	4.2	1.8	1.07	1.08	1.08	1.08	1.08	1.08	1.08	1.08	1.08
3	1.2	1.4	1.27	1.08	1.4	1.08	1.08	1.08	1.08	1.08	1.08
4	1.2	1.4	1.27	1.08	1.4	1.08	1.08	1.08	1.08	1.08	1.08
5	1.2	1.4	1.27	1.08	1.4	1.08	1.08	1.08	1.08	1.08	1.08
6	1.2	1.4	1.27	1.08	1.4	1.08	1.08	1.08	1.08	1.08	1.08
7	1.2	1.4	1.27	1.08	1.4	1.08	1.08	1.08	1.08	1.08	1.08
8	1.2	1.4	1.27	1.08	1.4	1.08	1.08	1.08	1.08	1.08	1.08
9	1.2	1.4	1.27	1.08	1.4	1.08	1.08	1.08	1.08	1.08	1.08
10	1.2	1.4	1.27	1.08	1.4	1.08	1.08	1.08	1.08	1.08	1.08
11	1.2	1.4	1.27	1.08	1.4	1.08	1.08	1.08	1.08	1.08	1.08
12	1.2	1.4	1.27	1.08	1.4	1.08	1.08	1.08	1.08	1.08	1.08
13	1.2	1.4	1.27	1.08	1.4	1.08	1.08	1.08	1.08	1.08	1.08
14	1.2	1.4	1.27	1.08	1.4	1.08	1.08	1.08	1.08	1.08	1.08
15	1.2	1.4	1.27	1.08	1.4	1.08	1.08	1.08	1.08	1.08	1.08
16	1.2	1.4	1.27	1.08	1.4	1.08	1.08	1.08	1.08	1.08	1.08
17	1.2	1.4	1.27	1.08	1.4	1.08	1.08	1.08	1.08	1.08	1.08
18	1.2	1.4	1.27	1.08	1.4	1.08	1.08	1.08	1.08	1.08	1.08
19	1.2	1.4	1.27	1.08	1.4	1.08	1.08	1.08	1.08	1.08	1.08
20	1.2	1.4	1.27	1.08	1.4	1.08	1.08	1.08	1.08	1.08	1.08



Eigenschaften Properties		Anforderungen Requirements	
Leistungsfähigkeit/Performance: CAT 7A S/FTP Twisted Pair Installation Cable, 500m, Duplex, Cca	Temperaturbereich/Temperature Range: -40°C to +75°C	Leistungsfähigkeit/Performance: CAT 7A S/FTP Twisted Pair Installation Cable, 500m, Duplex, Cca	Temperaturbereich/Temperature Range: -40°C to +75°C
Leitungsverlust/Conduction Loss: 0.1 dB/100m	Isolation/Isolation: > 60 dB	Leitungsverlust/Conduction Loss: 0.1 dB/100m	Isolation/Isolation: > 60 dB
Leitungsabweichung/Conduction Deviation: 0.1 dB/100m	Leitungsabweichung/Conduction Deviation: 0.1 dB/100m	Leitungsabweichung/Conduction Deviation: 0.1 dB/100m	Leitungsabweichung/Conduction Deviation: 0.1 dB/100m



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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 Lüdenscheid, Germany
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