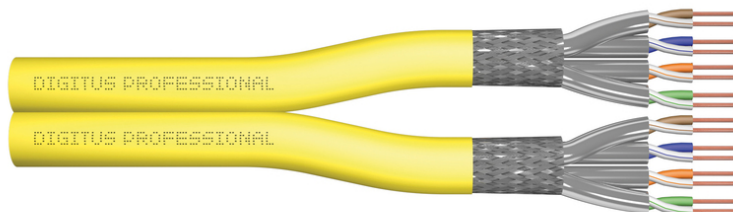


DIGITUS Cat. 7A class FA, S/FTP, Twisted Pair installation cable, 500 m, duplex, 1500 MHz

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%
- 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:

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AWG 22/1 | 1500 MHz | CAT 7 | 20° / 60° | LSZH | C_{ca} | CPR class

CAT 7A S/FTP
Twisted Pair Installation Cable,
500 m, Duplex, C_{ca}

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DK-1744-A-VH-D-5-P // CAT 7, S/FTP Twisted Pair Installation Cable, 500m, Duplex, C_{ca}

Anwendungsbeispiel
Example of use

DK-9325

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DK-1744-A-VH-D-5-P // CAT 7, S/FTP Twisted Pair Installation Cable, 500m, Duplex, C_{ca}

Kabelquerschnitt
Cable cross section

Außenmantel Outer jacket
Ablenkungsfuge Diverting edge
Schichttrennung Layer separation
Pardachschichtung Parachuting
Ablenkungsfuge Diverting edge
Ablenkungsfuge Diverting edge
Drahtpaar Twisted pair

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Produktinformationen Product Information

Hersteller / Manufacturer: Hubsch Electronics GmbH, Netz-Technik	Modell / Model: DK-1744-A-VH-D-5-P	Standard / Standard: EN 50323-3-10, EN 50323-3-20, EN 50323-3-30, EN 50323-3-40, EN 50323-3-50, EN 50323-3-60, EN 50323-3-70, EN 50323-3-80, EN 50323-3-90, EN 50323-3-100, EN 50323-3-110, EN 50323-3-120, EN 50323-3-130, EN 50323-3-140, EN 50323-3-150, EN 50323-3-160, EN 50323-3-170, EN 50323-3-180, EN 50323-3-190, EN 50323-3-200	Norm / Norm: EN 50323-3-10, EN 50323-3-20, EN 50323-3-30, EN 50323-3-40, EN 50323-3-50, EN 50323-3-60, EN 50323-3-70, EN 50323-3-80, EN 50323-3-90, EN 50323-3-100, EN 50323-3-110, EN 50323-3-120, EN 50323-3-130, EN 50323-3-140, EN 50323-3-150, EN 50323-3-160, EN 50323-3-170, EN 50323-3-180, EN 50323-3-190, EN 50323-3-200
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Elektrische Eigenschaften Electrical Properties

Impedanz / Impedance: 100 Ω ± 0,05 Ω

Capazität / Capacitance: 40 pF/m ± 0,2 pF/m

Leitungsverlust / Conduction loss: 0,01 dB/100m ± 0,002 dB/100m

Reflexionskoeffizient / Reflection coefficient: -20 dB ± 0,5 dB

Mechanische Eigenschaften Mechanical Properties

Leitungsverlust / Conduction loss: 0,01 dB/100m ± 0,002 dB/100m

Reflexionskoeffizient / Reflection coefficient: -20 dB ± 0,5 dB

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Leistungsmerkmale Power Performance

PROG.	ACT	MEET	PRE MEET	ACT	PRE ACT	PL	ELVET	PRE ELVET
10	12	14	16	18	20	22	24	26
11	13	15	17	19	21	23	25	27
12	14	16	18	20	22	24	26	28
13	15	17	19	21	23	25	27	29
14	16	18	20	22	24	26	28	30
15	17	19	21	23	25	27	29	31
16	18	20	22	24	26	28	30	32
17	19	21	23	25	27	29	31	33
18	20	22	24	26	28	30	32	34
19	21	23	25	27	29	31	33	35
20	22	24	26	28	30	32	34	36

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PREMIUM Zertifikat
No. 15588g-20

Hersteller: Hubsch Electronics GmbH, Netz-Technik

Modell: DK-1744-A-VH-D-5-P

Kategorie 7a

Spezialzertifikat, High-Speed, Kategorie 7a
GHMT PREMIUM Certification Program, GHMT PDP

Das Zertifikat bestätigt die Einhaltung der Anforderungen an die Leistungsfähigkeit des Produkts für die Anwendung als High-Speed-Kategorie 7a-Kabel.

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CPD System

Standard: B2+, C_{ca}, D_{ca}, E_{ca}

Lebenszyklus: 1+

Abgleich der verteilten Bauteile / Matching of distributed components: 3

Leistungsmerkmale / Power Performance: s1a, d1, a1

Spezifikationen / Specifications:

- 1500 MHz
- 20° / 60°
- LSZH
- CAT 7
- C_{ca}
- CPR class

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Leistungsmerkmale Power Performance

CAT 7A
CAT 7
CAT 7BHD
CAT 7A
CAT 7

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Professional Networking