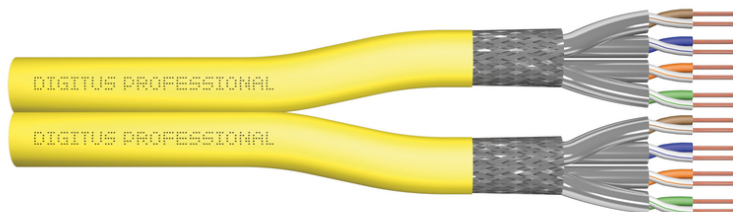


DIGITUS Cat. 7A class FA, S/FTP, Twisted Pair installation cable, 500 m, duplex, 1500 MHz

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 | 0 | 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 Diversion
Schichttrennung Shield separation
Paardrehung Twisting
Ablenkungsfuge Diversion
Drahttwist Core
Ablenkungsfuge Diversion
Ablenkungsfuge Diversion

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| Produktinformationen Product Information | Physikalische Spezifikationen Physical Properties |
|--|---|
| Hersteller/Manufacturer: DIGITUS Produktname/Product Name: CAT 7A S/FTP Twisted Pair Installation Cable, 500m, Duplex, C _{ca} Artikelnummer/Article No.: DK-1744-A-VH-D-5-P Barcode: 4012002 17445 Hersteller-Teilnummer/Manufacturer Part No.: DK-1744-A-VH-D-5-P | Line: CAT 7A S/FTP Shielding: S/FTP Standard: IEC 61883-1, IEC 61883-2 Material: Polyethylene (PE) Color: Yellow Length: 500 m Weight: 1.5 kg Temperature Range: -40°C to +75°C Flammverhalten/Flamm Behavior: LSZH CPR Class: C _{ca} |
| Elektrische Eigenschaften Electrical Properties Impedanz/Impedance: 100 Ω Capacitance: 50 pF/m Inductance: 1.0 nH/m Attenuation: 1.5 dB/100m @ 100MHz Return Loss: 15 dB @ 100MHz Shielding Effectiveness: 100 dB @ 100MHz | Mechanische Eigenschaften Mechanical Properties Outer Diameter: 10.5 mm Inner Diameter: 8.5 mm Twist Pitch: 1.5 mm Shielding Pitch: 1.5 mm Shield Thickness: 0.1 mm Shielding Effectiveness: 100 dB @ 100MHz Shielding Effectiveness: 100 dB @ 100MHz Shielding Effectiveness: 100 dB @ 100MHz |

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Leitungsparameter/Transmission Properties

| FRREQ. MHz | ATT. dB | SWR | RL | ACC. dB | FR ACC. dB | RL | ELVOLT | PERVOLT |
|------------|---------|-----|------|---------|------------|------|--------|---------|
| 1 | 1.2 | 1.4 | 1.07 | 1.08 | 1.08 | 1.08 | 1.08 | 1.08 |
| 10 | 4.2 | 1.6 | 1.07 | 1.08 | 1.08 | 1.08 | 1.08 | 1.08 |
| 100 | 14.2 | 1.8 | 1.07 | 1.08 | 1.08 | 1.08 | 1.08 | 1.08 |
| 1000 | 34.2 | 2.0 | 1.07 | 1.08 | 1.08 | 1.08 | 1.08 | 1.08 |
| 10000 | 54.2 | 2.2 | 1.07 | 1.08 | 1.08 | 1.08 | 1.08 | 1.08 |
| 100000 | 74.2 | 2.4 | 1.07 | 1.08 | 1.08 | 1.08 | 1.08 | 1.08 |
| 1000000 | 94.2 | 2.6 | 1.07 | 1.08 | 1.08 | 1.08 | 1.08 | 1.08 |

DIGITUS

PREMIUM Zertifikat
Nr.: 15887g-10

GHMT

Kategorie 7a

Spezifikationen, Maße, Abmessungen, Abmessungen

GHMT PREMIUM Certification Program, GHMT PDP

GHMT PREMIUM Certification Program, GHMT PDP

DIGITUS

CEP Standard
C_{ca} s1a d1 a1

Brandmarken
C_{ca} s1a d1 a1

Leitungsparameter/Transmission Properties

Abgaben der verschiedenen Bauteile

Abgaben der verschiedenen Bauteile

Abgaben der verschiedenen Bauteile

DIGITUS

CAT 8
CAT 7
CAT 6
CAT 5
CAT 5e

