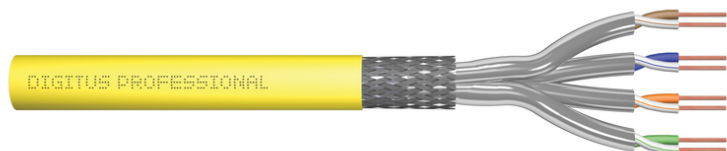


DIGITUS Cat. 7A class FA, S/FTP, Twisted Pair installation cable, 1000 m, simplex, 1500 MHz

DK-1744-A-VH-10-P
EAN 4016032462972



CAT 7A S-FTP installation cable, 1500 MHz Cca, AWG 22/1, 1000 m, SX, 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.

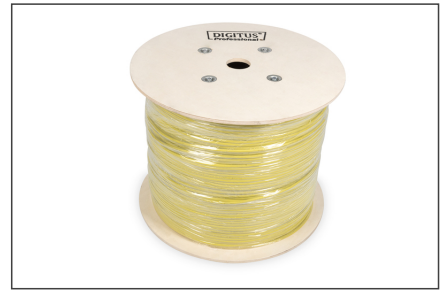
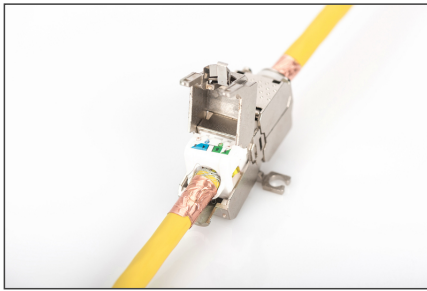
Future-oriented standards and high-end quality for your network.

- Physical properties
- Cable: Bare copper wire, AWG 22/1
- System/s of AVCP: AVCP 3
- 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: 1000 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) | cm³ |
| Packaging Unit Carton | 1 | 66.50 | 53.00 | 53.00 | 43.50 | 122,192.00 |
| Packaging Unit Inside | 1 | 66.50 | 53.00 | 53.00 | 43.50 | 122,192.00 |
| Packaging Unit Single | 1 | 66.50 | 53.00 | 53.00 | 43.50 | 122,192.00 |
| Net single without Packaging | 1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

More images:



DIGITUS

AWG 22/18 1500 MHz CAT 7 1000 m

20°/40° LSZH C Ca

CAT 7_A S/FTP Twisted Pair Installation Cable, 1000 m, Simplex, C_{ca}

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DK.1744-A-VH-10-P // CAT 7, S/FTP Twisted Pair Installation Cable, 1000 m, Simplex, C_{ca}

Anwendungsbeispiel Example of use

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DK.1744-A-VH-10-P // CAT 7, S/FTP Twisted Pair Installation Cable, 1000 m, Simplex, C_{ca}

Kabelquerschnitt Cable cross section

DIGITUS

| Produktkennzeichen Product Information | Physikalische Spezifikationen Physical Properties |
|---|--|
| <p>Bestandteile Components</p> <ul style="list-style-type: none"> 1x CAT 7 S/FTP Twisted Pair Installation Cable, 1000 m, Simplex, C_{ca} | <p>Material Material</p> <ul style="list-style-type: none"> Outer jacket: LSZH Inner jacket: LSZH Conductors: Copper Shielding: Aluminum foil |
| <p>Technische Eigenschaften Technical Properties</p> <ul style="list-style-type: none"> Category: CAT 7 Frequency: 1500 MHz Length: 1000 m Shielding: 20°/40° RoHS: Compliant | <p>Mechanische Eigenschaften Mechanical Properties</p> <ul style="list-style-type: none"> Temperature range: -40°C to +85°C Humidity: 5% to 95% Flammretardant: LSZH |

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Leistungseigenschaften Transmission Properties

| MHz | Att | Max Att | PM Max | Att | Att | Att | Att | Att | Att |
|--------|------|---------|--------|------|------|------|------|------|------|
| 1 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 |
| 10 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 |
| 100 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 |
| 1000 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 |
| 10000 | 10.2 | 10.2 | 10.2 | 10.2 | 10.2 | 10.2 | 10.2 | 10.2 | 10.2 |
| 100000 | 15.2 | 15.2 | 15.2 | 15.2 | 15.2 | 15.2 | 15.2 | 15.2 | 15.2 |

GHMT

PREMIUM Zertifikat

№: 15574g-25

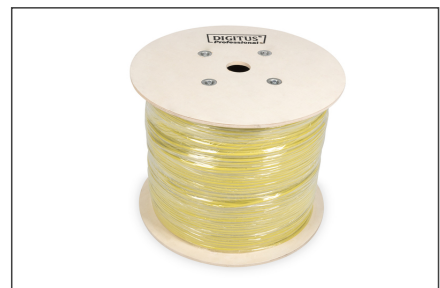
Kategorie 7A

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Leistungseigenschaften Transmission Properties

| Category | Shielding | Att | Att |
|-------------------------------|-----------|-----|-----|
| B2, Cat 6 | None | 1+ | 1+ |
| C _{ca} , Cat 7 | 20°/40° | 3 | 3 |
| D _{ca} , Cat 7 S/FTP | 20°/40° | 3 | 3 |
| E _{ca} , Cat 8 | None | 3 | 3 |



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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