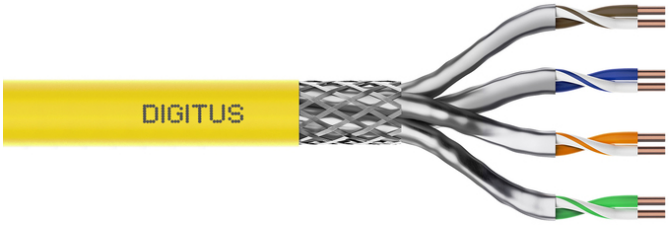
DIGITUS® CAT 7A S/FTP, Data Cable - Installation Cable, 500 m, Simplex, Dca-s1a d1 a1, GHMT PVP Certified

DK-1743-A-VH-5

EAN 4016032363842



CAT 7A S-FTP installation cable, 1500 MHz, Dca AWG 22/1, 500 m drum, Sx, yellow

The Digitus CAT 7A installation cable is designed for use in structured data centers and building cabling systems in accordance with ISO/IEC 11801, DIN EN 50288-4-1, DIN EN 50173, IEC 61156-7, EN 50288-9-1. The cable is ideally suited for the transmission of analog and digital data and supports PoE, PoE+, and 4PPoE (IEEE 802.3af; 3at; 3bt). The shielding structure consists of individually shielded pairs with a tinned copper braid, which ensures excellent shielding and electrical performance.

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

- Physical Properties:
- Conductor: Bare copper wire, AWG 22/1
- System(s) for evaluating and verifying ⊠consistency of performance: System 3
- 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 individual pairs: aluminum-laminated polyester film, providing 100% coverage
- Overall shielding: tinned copper braid
- Outer jacket: Dca to Cca per EN 50575; LSZH
- Outer jacket thickness (nominal): 0.60 mm (Dca); 0.60 mm (Cca)
- Outer jacket color: Yellow (RAL 1016)
- Mechanical Properties:
- Tensile strength: 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 +60 °C
- Operating temperature range: -20 °C to +60 °C
- Installation temperature range: 0 °C to +50 °C
- Outer diameter (nominal): 7.8 mm (Dca); 7.8 mm (Cca)
- Weight (kg/km): 65 kg (Dca); 65 kg (Cca)
- Electrical Properties:
- Impedance: 100±5 ohms @ 1–1,000 MHz
- Capacitance: 40 pF/m nominal @ 1 kHz
- Capacitance asymmetry (pair-to-ground): 1.6 pF/m max. @ 1 kHz
- Insulation resistance: 5 GOhm x km min.
- Loop resistance: 147 ohms/km max. (2% max. unbalanced resistance)
- Operating voltage: 72 Vdc max.
- Coupling Damping: CA Type 1b
- Phase delay: 450 nS/100 m max.
- Propagation delay: 10 nS/100 m max.
- Containment Class: “d” per EN 50174-2
- NVP: 74%
- Flame propagation: EN 60332-1-2 (LSOH-PVC)
- Halogen-free, corrosivity: EN 60754-1/2 (LSOH)
- Smoke tightness: EN 61034-2

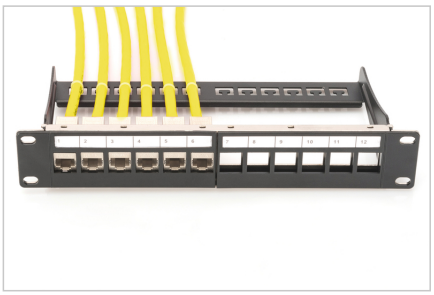
Attributes

- Assortment: Twisted Pair Installation Cables
- Category: CAT 7A
- Shielding: S-FTP, pairs in metal foil and braid shielding
- CPR: Dca
- Length: 500 m
- Color: yellow
- Jacket: LSOH
- Structure: 4 x 2 AWG 22/1, solid twisted pair

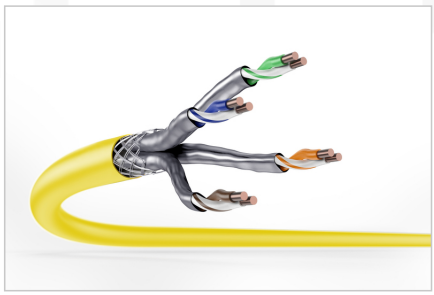
Logistics

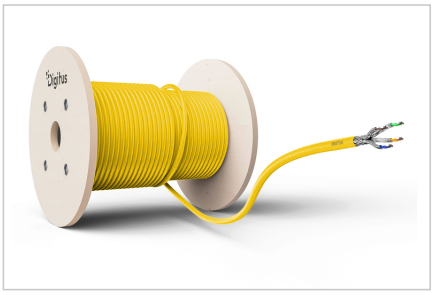
	Number (pcs)	Weight (kg)	Depth (cm)	Width (cm)	Height (cm)	cm³
Packaging Unit Carton	8	255.60	53.00	53.00	43.50	122,192.00
Packaging Unit Inside	1	33.50	53.00	53.00	43.50	122,192.00
Packaging Unit Single	1	33.50	53.00	53.00	43.50	122,192.00
Net single without Packaging	0	34.00	0.00	0.00	0.00	0.00

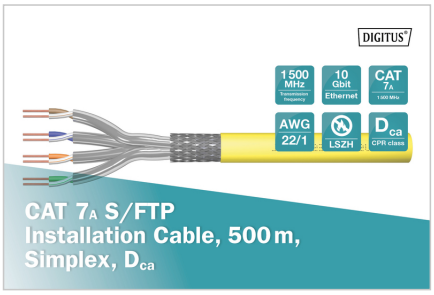
More images:

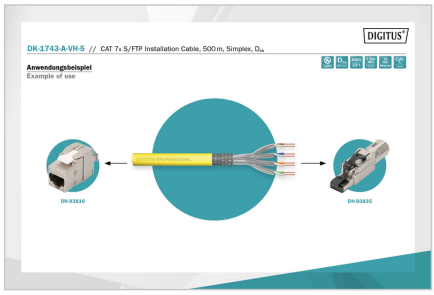


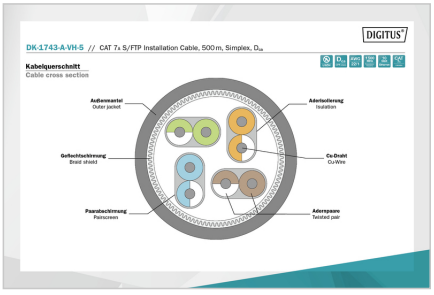


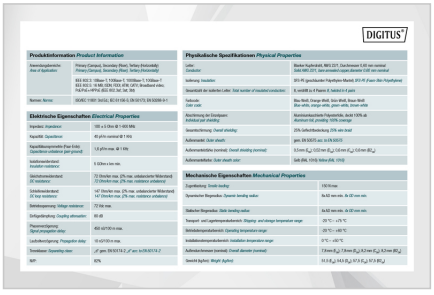


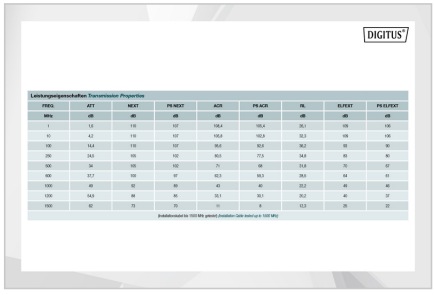


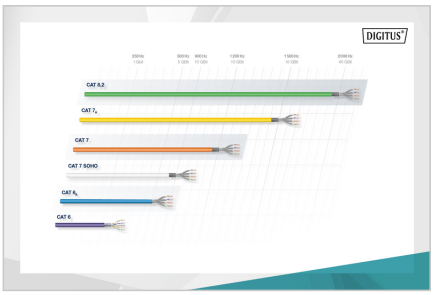












Safety notes

- 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.
- For indoor cables (LSZH jacket): Suitable only for installation in dry indoor environments.
- 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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