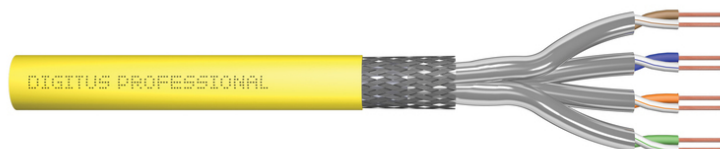


# DIGITUS CAT 7A S/FTP installation cable, 500 m, Simplex, B2ca

DK-1745-A-VH-5  
EAN 4016032435921



## CAT 7A S-FTP installation cable, 1500 MHz B2ca (EN 50575), AWG 22/1, 500 m drum,

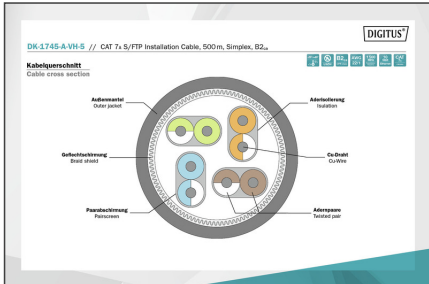
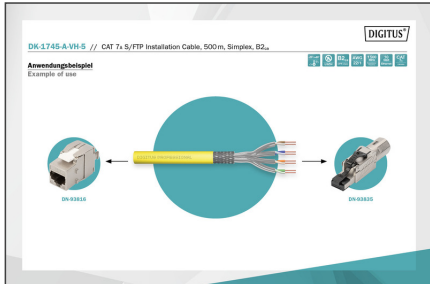
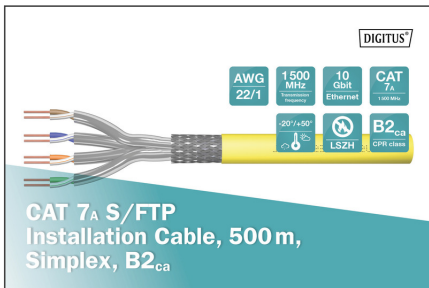
Digitus Cat 7A installation cable is designed for use in structured data center & building cabling in accordance with ISO/IEC 11801, DIN EN 50173, IEC 61156-7, EN 50288-9-1. Excellent for transmission of analog and digital, data, audio, video, signal transmission, 10 Gbit Ethernet, POE+. The shield structure consists of single shielded pairs with a tinned copper braid, which ensures excellent shielding and electrical values.

**DIGITUS® CAT 7A S/FTP installation cable 4x2x AWG22/1 up to 1500 MHz. The halogen-free cable sheath complies with the standards IEC 60332-3-24, FRNC-C, LSZH-3 and CPR Euro class B2ca. Complies with ISO/IEC 11801, DIN EN 50173, DIN EN 50288-4-1.**

- Physical properties:
  - Conductor: Bare annealed copper, solid AWG 22/1
  - Insulation: SFS-PE (Foam-Skin Polyethylene)
  - Total number of insulated conductors: 8, twisted in 4 pairs
  - Color code: Blue-white, orange-white, green-white, brown-white
  - Individual pair shielding: Aluminum foil, providing 100 % coverage
  - Overall shielding: Copper braid
  - Outer sheath: Eca to B2ca acc. to EN 50575; LSZH
  - Outer sheath diameter (nominal): 0,50 mm (Eca); 0,52 mm (Dca); 0,60 mm (Cca); 0,60 (B2ca)
- Mechanical properties:
  - Tensile loading: 150N max.
  - Dynamic bending radius: 8x AD mm min.
  - Static bending radius: 4x AD mm min.
- Shipping- and storage temperature range: -20 °C up to +60 °C
- Operating temperature range: -20 °C up to +50 °C

- Installation temperature range: 0 °C up to +50 °C
- Overall diameter Simplex (nominal): 7,0 mm (Eca); 7,2 mm (Dca); 7,5 mm (Cca); 7,5 mm (B2ca)
- Weight (kg/km): 49,5 kg (Eca); 51 kg (Dca), 53 kg (Cca); 53 kg (B2ca)
- Electrical properties:
  - Impedance: 100±15 Ohm @ 4 - 1000 MHz; 100±25 OHM @ 100-600 MHz
  - Capacitance: 45 pF/m nominal @ 1 KHz
  - Capacitance unbalance (pair-ground): 1.6 pF/m max. @ 1 KHz
  - Insulation resistance: 5 GOhm x km min.
  - DC resistance: 95 Ohm/km max. (2% max. resistance unbalance)
  - DC loop resistance: 190 Ohm/km max. (2% max. resistance unbalance)
  - Voltage resistance: 72 Vdc max.
  - Coupling attenuation: CA-Type 1b
  - Signal propagation delay: 450 nS/100 m max.
  - Propagation delay: 10 nS/100 m max.
  - Separating class: "d" acc. to EN 50174-2
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  - NVP: 79%
  - Flame spread: EN 60332-1-2 (LSOH-PVC)
  - Halogen-free, corrosiveness: EN 60754-1/2 (LSOH)
  - Smoke density: EN 61034-2
  - Assortment: Twisted Pair Installation Cables
  - Category: CAT 7A
  - Shielding: S-FTP, pairs in metal foil and braid shielding
  - CPR: B2ca
  - 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        | 1            | 0.00        | 0.00       | 0.00       | 0.00        | 0.00 |
| Packaging Unit Inside        | 1            | 0.00        | 0.00       | 0.00       | 0.00        | 0.00 |
| Packaging Unit Single        | 1            | 0.00        | 0.00       | 0.00       | 0.00        | 0.00 |
| Net single without Packaging | 0            | 0.00        | 0.00       | 0.00       | 0.00        | 0.00 |

[illegible]

| Leistungsgemessene Extempore Prosa                               |      |      |           |       |            |     |         |          |    |
|------------------------------------------------------------------|------|------|-----------|-------|------------|-----|---------|----------|----|
| PROSA                                                            | ART  | WERT | PROSA/ART | ALTE  | PROSA/ALTE | HL  | BL/PROA | PROSA/BL |    |
| WV9                                                              | AB   | AB   | AB        | AB    | AB         | AB  | AB      | AB       | AB |
| 10                                                               | 1,2  | 2,0  | 1,6       | 16,2  | 16,2       | 2,0 | 16,2    | 16,2     | 10 |
| 11                                                               | 4,1  | 1,6  | 1,6       | 10,8  | 10,8       | 0,3 | 10,8    | 10,8     | 11 |
| 12                                                               | 14,4 | 1,6  | 1,6       | 36,0  | 36,0       | 0,2 | 36,0    | 36,0     | 12 |
| 13                                                               | 26,4 | 0,8  | 1,6       | 69,6  | 71,6       | 0,8 | 69,6    | 71,6     | 13 |
| 14                                                               | 36   | 1,6  | 1,6       | 96,0  | 96,0       | 1,0 | 96,0    | 96,0     | 14 |
| 15                                                               | 12,7 | 1,6  | 1,6       | 32,7  | 32,7       | 0,8 | 32,7    | 32,7     | 15 |
| 16                                                               | 48   | 0,8  | 1,6       | 120,0 | 48,0       | 0,2 | 120,0   | 48,0     | 16 |
| 17                                                               | 16,0 | 0,8  | 1,6       | 40,0  | 36,0       | 0,2 | 40,0    | 36,0     | 17 |
| 18                                                               | 16,0 | 0,8  | 1,6       | 40,0  | 36,0       | 0,2 | 40,0    | 36,0     | 18 |
| Durchschnittswerte (100000 prozent) (Ausgabe Seite 1 von 2) (WV) |      |      |           |       |            |     |         |          |    |
| 19                                                               | 32   | 1,6  | 1,6       | 80,0  | 80,0       | 1,0 | 80,0    | 80,0     | 19 |

[illegible]