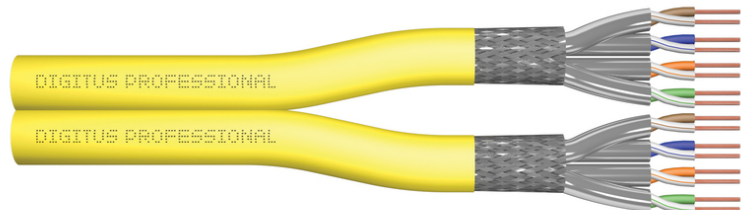


# DIGITUS Cat.7A S/FTP, installation cable, 100 m, duplex, Dca-s1a d1 a1

DK-1743-A-VH-D-1  
EAN 4016032483632



### CAT 7A S-FTP installation cable, 1500 MHz Dca (EN 50575), AWG 22/1, 100 m ring, DX, Yellow

The Digitus Cat 7 installation cable is designed for use in the structured data center and the building cabling according to ISO/IEC 11801, DIN EN 50288-4-1, DIN EN 50173, IEC 61156-7, EN 50288-9-1. The cable is perfectly suitable for the transmission of both analog and digital data and also supports POE and POE+. The shielding structure is composed of single shielded pairs with a tinned copper braid, which ensures excellent shielding and electrical values.

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

- Physical properties:
- Basic conductor: Solid AWG 22/1, bare annealed copper, diameter 0.62 mm nominal
- System/s of AVCP: AVCP 3
- 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 wire braid
- Outer jacket: Halogen-free (FRNC-C/LSZH-3)
- Outer jacket diameter: 0.6 mm nominal
- Color: Yellow (RAL 1016)
- Length: 100 m
- 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 +60 °C
- Temperature installation range: 0°C to +50°C
- Overall diameter: 8.0 mm nominal
- Flame retardancy: IEC 60332-3-24
- Halogen-free & smoke-proof: IEC 60754-2 & IEC 61034
- Fire load: 700 MJ/km
- Electrical properties:
- Mean impedance: 100±5 Ohm @ 1-600 MHz
- Capacitance: 40 pF/m nominal @ 1 KHz
- Capacitance unbalance (pair-ground): 1.6 pF/m max. @ 1 KHz
- Insulation resistance: 5 GOhm x km min.
- DC loop resistance: 147 Ohm/Km max. (2% max. resistance unbalance)
- Voltage resistance: 72 Vdc max.
- Coupling attenuation: Grade 1 (CA-Type 1b)
- Propagation delay: 10 nS/100 m max.
- Signal propagation delay: 450 nS/100 m max.
- Separating class: "d" acc. to EN 50174-2
- NVP: 75%
- Flame spread: EN 60332-1-2 (LSOH-PVC)
- Halogen-free, corrosiveness: EN 60754-1/2 (LSOH)
- Smoke density: EN 61034-2

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	0	0.00	0.00	0.00	0.00	0.00
Packaging Unit Single	1	10.14	0.00	0.00	0.00	0.00
Net single without Packaging	0	10.14	0.00	0.00	0.00	0.00

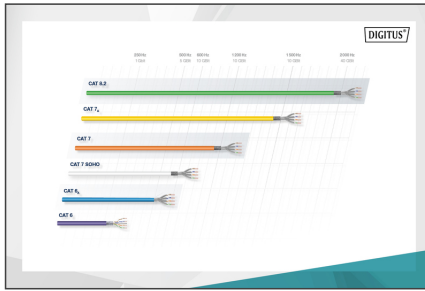
More images:

**ERG-Eigenschaften**  
**B2ca** Sehr hoch  
**Cca** Hoch  
**Dca** Mittel  
**Eca** Gering  
**Hersteller** Cca s1a d1 a1

**Leitungsstruktur (LST)**  
 1+  
 3

**Abgleich der conductor pairs**  
 S: 100% Abschirmung  
 d: 100% Abschirmung  
 a: 100% Abschirmung

**Zusatzfunktionen**  
 R: 100% Abschirmung  
 S: 100% Abschirmung  
 d: 100% Abschirmung  
 a: 100% Abschirmung



**Leitungsstruktur Transmissions-Parameter**

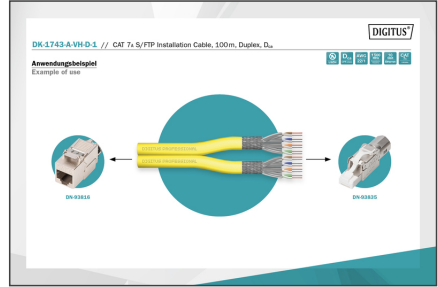
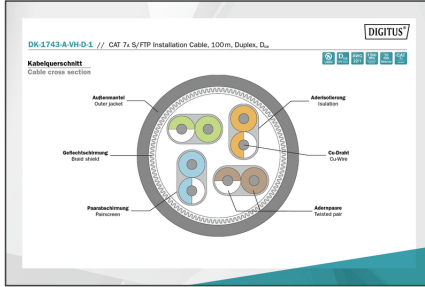
PROZ	PTT	MEY	PELST	ASD	PLACH	PL	PELST	PELST
1	14	14	14	14	14	14	14	14
10	14	14	14	14	14	14	14	14
100	14	14	14	14	14	14	14	14
1000	14	14	14	14	14	14	14	14
10000	14	14	14	14	14	14	14	14
100000	14	14	14	14	14	14	14	14
1000000	14	14	14	14	14	14	14	14

**Produktinformation Product Information**

**Physikalische Spezifikationen Physical Properties**

**Elektrische Eigenschaften Electrical Properties**

**Mechanische Eigenschaften Mechanical Properties**



**1500 MHz**  
**10 Gbit Ethernet**  
**CAT 7a**  
**AWG 22/1**  
**LSZH**  
**Dca CB**  
**CFR Class 3**

**CAT 7a S/FTP Installation Cable, 100m, Duplex, Dca**