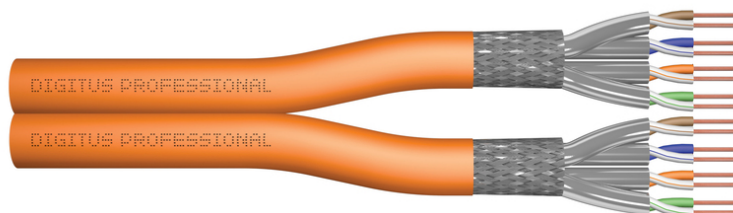


DIGITUS CAT 7 S/FTP installation cable, 500 m, duplex, Dca-s1a d1 a1

DK-1743-VH-D-5
EAN 4016032380573



CAT 7 S-FTP installation cable, 1200 MHz Dca (EN 50575), AWG 23/1, 500m drum, Dx, orange

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:
- Conductor: Bare copper wire, AWG 23/1
- System(s) of assessment and verification of constancy 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 the individual pairs: aluminum-laminated polyester film, covers 100%
- Overall shielding: copper braiding
- Outer sheath: Dca-s2 d1 a1 acc. to EN 50575; LSZH
- Color: Orange (RAL 2008)
- Mechanical properties:
- Strain relief: 135N 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 +50 °C

- Installation temperature range: 0 °C to +50 °C
- Electrical properties:
- Impedance: 100±15 Ohm @ 4 - 1000 MHz; 100±25 OHM @ 100-600 MHz
- Capacitance: 45pF/m nom. at 1KHz
- Capacitance: 40 pF/m nominal @ 1 KHz
- Insulation resistance: 5 GOhm x km min.
- DC resistance: 95 Ohm/km max. (2% max. unbalanced resistance)
- Loop resistance: 190 Ohm/km max. (2% max. unbalanced resistance)
- Operating voltage: 72 Vdc max.
- Coupling attenuation: CA-Type 1b
- Phase delay: 450 nS/100 m max.
- Time delay: 10 nS/100 m max.
- Separation class: "d" according to EN 50174-2
- NVP: 79%
- Flame spread: EN 60332-1-2 (LSOH-PVC)
- Halogen-free, corrosivity: EN 60754-1/2 (LSOH)
- Smoke density EN 61034-2

Attributes

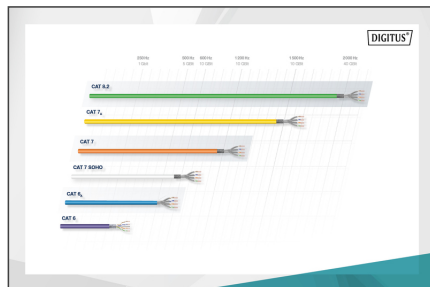
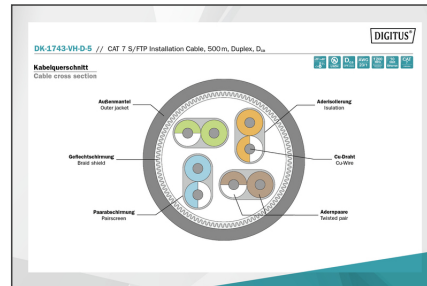
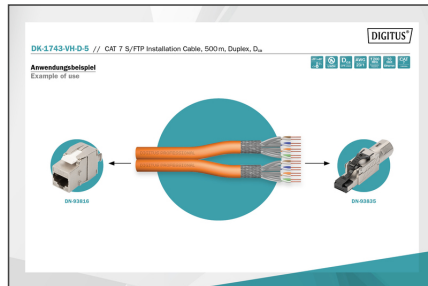
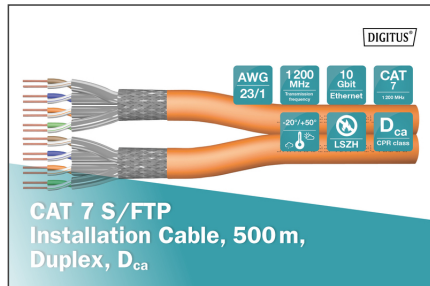
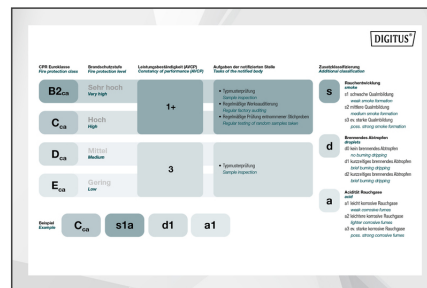
- Assortment: Twisted Pair Installation Cables
- Category: CAT 7
- Shielding: S-FTP, pairs in metal foil and braid shielding
- CPR: Dca
- Length: 500 m
- Color: orange
- Jacket: LSOH
- Structure: 4 x 2 AWG 23/1, solid twisted pair

Logistics						
	Number (pcs)	Weight (kg)	Depth (cm)	Width (cm)	Height (cm)	cm³
Packaging Unit Carton	1	54.50	55.00	55.00	38.00	114,950.00
Packaging Unit Inside	1	54.50	55.00	55.00	35.00	105,875.00
Packaging Unit Single	1	54.50	55.00	55.00	38.00	114,950.00
Net single without Packaging	1	54.16	55.00	55.00	38.00	114,950.00

More images:

Produktinformationen / Product Information	Physikalische Spezifikationen / Physical Properties
Technische Daten / Technical Data Produkttyp: Patchkabel (Cat 7, Cat 6, Cat 5e) Länge: 100m, 500m, 1000m AWG: 23/1, 24/2, 25/3 Shielding: Shielded (Cat 7, Cat 6), Unshielded (Cat 5e)	Physikalische Eigenschaften / Physical Properties Material: Polyethylen (PE) Farbe: Schwarz Temperaturbereich: -40°C bis +85°C Flexibilität: Sehr flexibel Brandverhalten: UL94V0
Elektrische Eigenschaften / Electrical Properties Frequenzbereich: 1 Hz bis 60 MHz (Cat 7), 1 Hz bis 100 MHz (Cat 6), 1 Hz bis 100 MHz (Cat 5e) Kapazität: 10 pF/m Impedanz: 100 Ohm Dämpfung: 0,5 dB/100m (Cat 7), 0,5 dB/100m (Cat 6), 0,5 dB/100m (Cat 5e)	Mechanische Eigenschaften / Mechanical Properties Biegeradius: 10x Kabellänge (Cat 7), 10x Kabellänge (Cat 6), 10x Kabellänge (Cat 5e) Zugkraft: 100 N Bruchdehnung: 100% Vibration: 10g, 10/100 Hz

Leistungseigenschaften / Performance Properties									
Parameter	Cat 7	Cat 6	Cat 5e	Cat 5	Cat 4	Cat 3	Cat 2	Cat 1	Cat 0
Bandwidth	60 MHz	100 MHz	100 MHz	100 MHz	100 MHz	100 MHz	100 MHz	100 MHz	100 MHz
Frequency	1 Hz - 60 MHz	1 Hz - 100 MHz	1 Hz - 100 MHz	1 Hz - 100 MHz	1 Hz - 100 MHz	1 Hz - 100 MHz	1 Hz - 100 MHz	1 Hz - 100 MHz	1 Hz - 100 MHz
Impedance	100 Ohm	100 Ohm	100 Ohm	100 Ohm	100 Ohm	100 Ohm	100 Ohm	100 Ohm	100 Ohm
Attenuation	0,5 dB/100m	0,5 dB/100m	0,5 dB/100m	0,5 dB/100m	0,5 dB/100m	0,5 dB/100m	0,5 dB/100m	0,5 dB/100m	0,5 dB/100m
Capacitance	10 pF/m	10 pF/m	10 pF/m	10 pF/m	10 pF/m	10 pF/m	10 pF/m	10 pF/m	10 pF/m
Flexibility	Very flexible	Flexible	Flexible	Flexible	Flexible	Flexible	Flexible	Flexible	Flexible
Temperature range	-40°C to +85°C	-40°C to +85°C	-40°C to +85°C	-40°C to +85°C	-40°C to +85°C	-40°C to +85°C	-40°C to +85°C	-40°C to +85°C	-40°C to +85°C
Flamm retardancy	UL94V0	UL94V0	UL94V0	UL94V0	UL94V0	UL94V0	UL94V0	UL94V0	UL94V0



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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