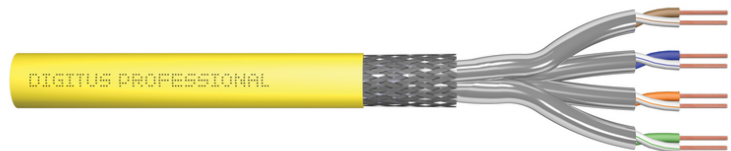


DIGITUS Cat. 7A class FA, S/FTP, Twisted Pair installation cable, 1000 m, simplex, 1500 MHz

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

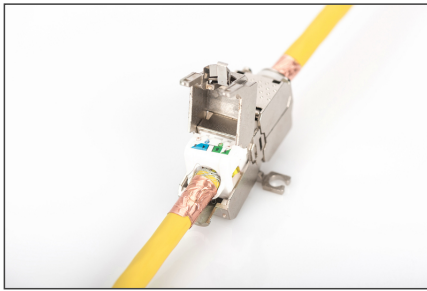
- Operating temperature range: -20 °C to +60 °C
- Installation temperature range: 0 °C to +50 °C
- External diameter simplex (nominal): 8.0 mm (CCA)
- Weight (kg/km): 68.0 kg (CCA)
- Electrical properties
- Impedance: 100 ± 5 ohm @ 1-1000 MHz
- Capacity: 40 pF/m nominal @ 1 KHz
- Capacity unbalance (pair 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%

Attributes

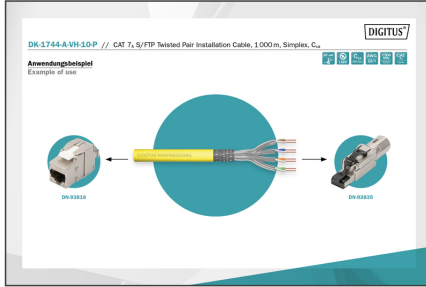
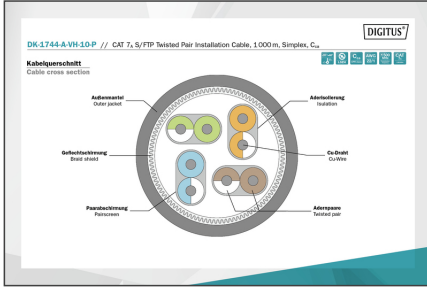
- Assortment: Twisted Pair Installation Cables
- Category: CAT 7A
- Shielding: S-FTP, pairs in metal foil and braid shielding
- CPR: Cca
- Length: 1000 m
- Color: yellow
- Jacket: LSOH
- Structure: 4 x 2 AWG 22/1, solid twisted pair

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	66.09	53.00	53.00	43.50	122,192.00

More images:



DIGITUS	
Produktdatenblatt Product Information	Physikalische Spezifikationen Physical Properties
<p>Hersteller/Manufacturer: DIGITUS, D-91074 Weizsäcker, Germany</p> <p>Teilenummer/Part Number: DK-1744-A-VH-1.0-P</p> <p>Typische Werte/Typical Values: AWG 22/1, 1500 MHz, CAT 7, S/FTP, 1000m, Simplex, C_{ca}</p>	<p>Material/Material: PVC</p> <p>Leitung/Conductor: 28 AWG, 19-fach, 100% Cu</p> <p>Isolierung/Insulation: PE, 0.1mm, 100% HDPE</p> <p>Struktur/Structure: 4x (2x Twisted Pair + 2x Shield) + 1x Drain Wire</p>
Technische Eigenschaften Technical Properties	Mechanische Eigenschaften Mechanical Properties
<p>Spannung/Voltage: 100 V AC, 50/60 Hz</p> <p>Wahlstrom/Current: 100 mA</p> <p>Leistung/Power: 10 W</p> <p>Temperaturbereich/Temperature Range: -20°C bis +70°C</p>	<p>Leitungsdurchmesser/Conductor Diameter: 0.50 mm</p> <p>Isolierungsdicke/Insulation Thickness: 0.10 mm</p> <p>Leitungswahlstrom/Conductor Current: 100 mA</p> <p>Leistungsdichte/Power Density: 10 W/cm</p>



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AWG 22/1, 1500 MHz, CAT 7, S/FTP, 1000m, Simplex, C_{ca}

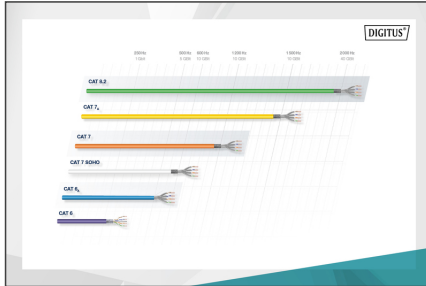
20° / 1.60°

LSZH

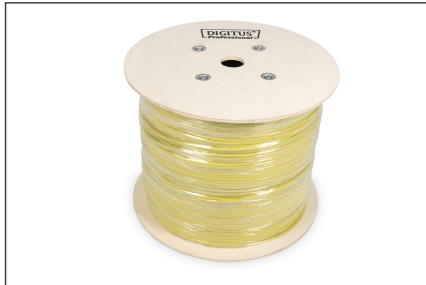
EPH class

CAT 7A S/FTP Twisted Pair Installation Cable, 1,000 m, Simplex, C_{ca}

EPH Standard	Standardabweichung	Leitungsstruktur (AWG)	Abgleich der verdrillten Paare	Zusatzfunktionen
B2+	Super High	1+	• Symmetrische • Gleichzeitige • Hohe • Hohe	• Abschirmung • Abschirmung • Abschirmung
C _{ca}	High	3	• Symmetrische • Gleichzeitige • Hohe • Hohe	• Abschirmung • Abschirmung • Abschirmung
D _{ca}	Medium			
E _{ca}	Low			



AWG	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48	50
1.0	1.62	1.52	1.42	1.32	1.22	1.12	1.02	0.92	0.82	0.72	0.62	0.52	0.42	0.32	0.22	0.12



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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