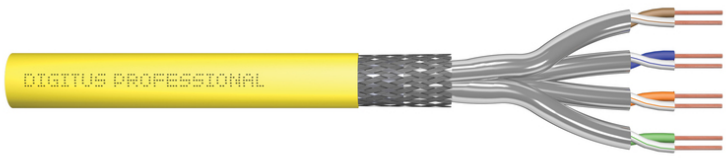
DIGITUS Cat. 7A class FA, S/FTP, Twisted Pair installation cable, 1000 m, simplex, 1500 MHz

DK-1744-A-VH-10-P
EAN 4016032462972



CAT 7A S-FTP installation cable, 1500 MHz Cca, AWG 22/1, 1000 m, SX, yellow

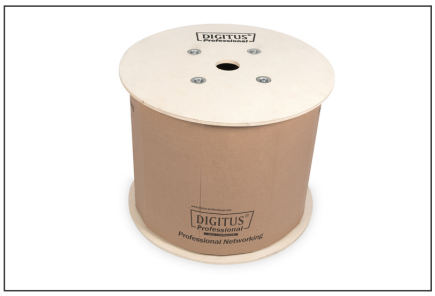
The DIGITUS® Cat. 7A S/FTP installation cable features the following cable structure 4x2x AWG22/1 and achieves a transmission frequency of up to 1500 MHz. The halogen-free cable sheath complies with the standards IEC 60332-3-24, FRNC-C, LSZH-3 and BauPVO Euroclass Cca. The cable is suitable for structured 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.

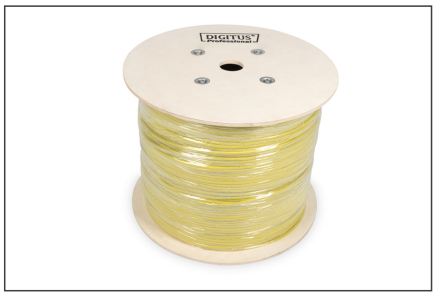
- Physical properties
- Cable: Bare copper wire, AWG 22/1
- System/s of AVCP: AVCP 3
- Insulation: SFS-PE (foamed polyethylene sheath)
- Total number of insulated conductors: 8, twisted in 4 pairs
- Color code: Blue-white, orange-white, green-white, brown-white
- Shielding of the individual pairs: Aluminum-covered 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%
- Assortment: Twisted Pair Installation Cables
- Category: CAT 7A
- 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

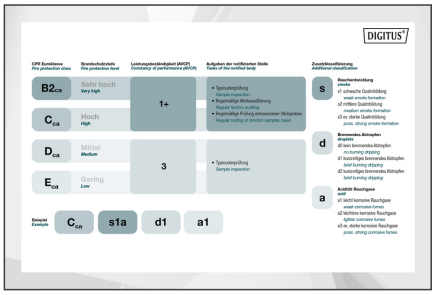
Logistics						
	Number (pcs)	Weight (kg)	Depth (cm)	Width (cm)	Height (cm)	cm³
Packaging Unit Carton	1	66.50	53.00	53.00	43.50	122,192.00
Packaging Unit Inside	1	66.50	53.00	53.00	43.50	122,192.00
Packaging Unit Single	1	66.50	53.00	53.00	43.50	122,192.00
Net single without Packaging	1	0.00	0.00	0.00	0.00	0.00

More images:

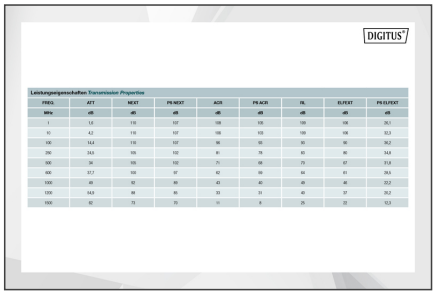


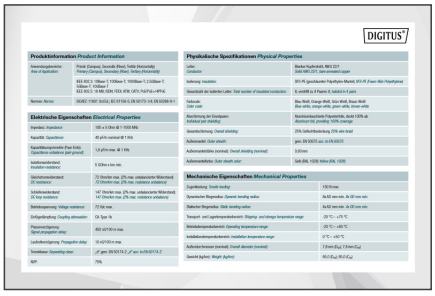


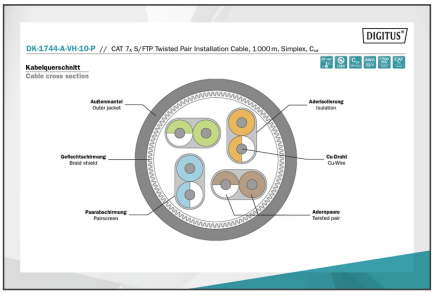


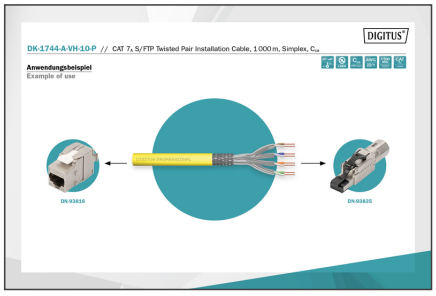

DIGITUS
CPR Euroklasse
Fire protection class
Brandschutzklasse
Fire protection level
Leistungsbeständigkeit (AVCP)
Overview of performance (AVCP)
Aufgaben der notifizierten Stelle
Tasks of the notified body
Zusatzklassifizierung
Additional classification
B2ca
Sehr hoch
Very high
Cca
Hoch
High
Dca
Mittel
Medium
Eca
Gering
Low
1+
3
• Typenuntersuchung
Sample inspection
• Regelmäßige Kontrollen
Regular factory auditing
• Regelmäßige Prüfung entnommener Stichproben
Regular testing of random samples taken
s
Rauchentwicklung
smoke
s1 schwache Qualmbildung
weak smoke formation
s2 mittlere Qualmbildung
medium smoke formation
s3 ev. starke Qualmbildung
poss. strong smoke formation
d
Brennendes Abtropfen
drops
d1 kein brennendes Abtropfen
no burning dripping
d2 kurzzeitiges brennendes Abtropfen
brief burning dripping
a
Ausbreitung
flame
a1 keine/keine flammen
weak corrosive fumes
a2 leichtes korrosive flammen
lighter corrosive fumes
a3 ev. starke korrosive flammen
poss. strong corrosive fumes
Beispiel
Example
Cca
s1a
d1
a1

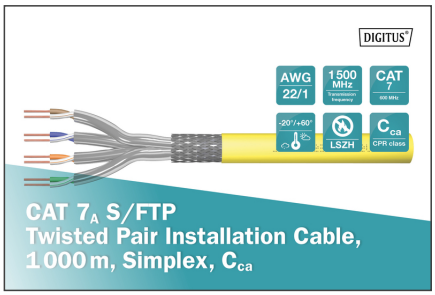

GHMT
Certificate
Nr. c09074-21
Class Eca
2 Connector Permanent Link, Copper, Class Eca
GHMT Type Approval
GHMT
Zertifikat
Nr. z09074-21
Klasse Eca
2 Connector Permanent Link, Kupfer, Klasse Eca
GHMT Type Approval

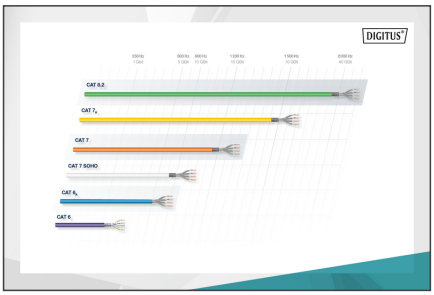

DIGITUS
Leistungseigenschaften Transmission Properties
FREQ
ATT
NEXT
PS NEXT
ACR
PS ACR
RL
ELFEXT
PS ELFEXT
MHz
dB
1
100
200
300
400
500
600
1000


DIGITUS
Produktinformation Product Information
Physikalische Spezifikationen Physical Properties
Elektrische Eigenschaften Electrical Properties
Mechanische Eigenschaften Mechanical Properties


DIGITUS
DK-1744-A-VH-10-P // CAT 7A S/FTP Twisted Pair Installation Cable, 1000 m, Simplex, Cca
Kabelquerschnitt
Cable cross section
Außenmantel
Outer jacket
Adernisolierung
Isolation
Geflechtschirmung
Braid shield
Cu-Draht
Cu-Wire
Paarabschirmung
Paircscreen
Adernpaare
Twisted pair


DIGITUS
DK-1744-A-VH-10-P // CAT 7A S/FTP Twisted Pair Installation Cable, 1000 m, Simplex, Cca
Anwendungsbeispiel
Example of use
DN-93810
DN-93835


DIGITUS
AWG 22/1
1500 MHz
CAT 7
-20°/+60°
LSZH
Cca
CPR class
CAT 7A S/FTP
Twisted Pair Installation Cable,
1000 m, Simplex, Cca


DIGITUS
CAT 8.2
CAT 7A
CAT 7
CAT 7 SOHO
CAT 6A
CAT 6

