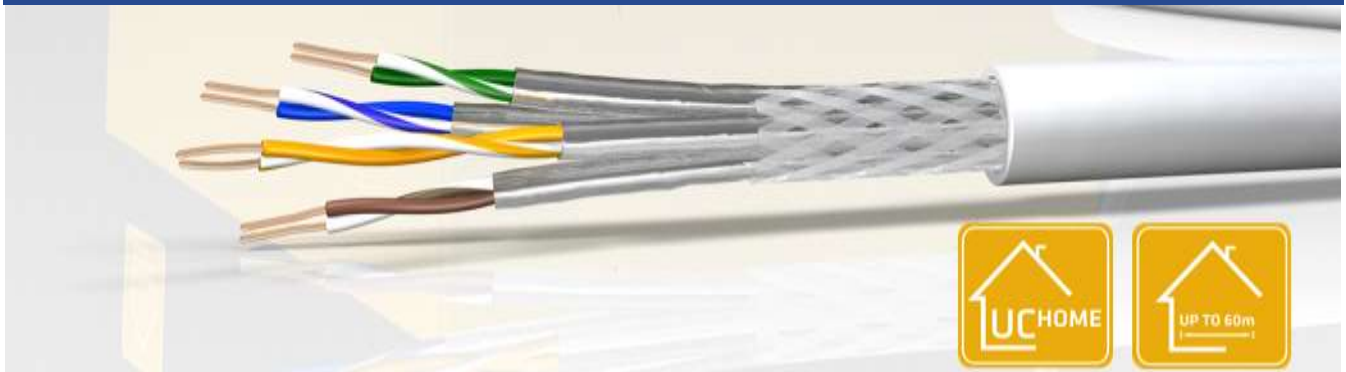


UC^{HOME} Cat.7 SS26 S/FTP LSHF-FR C_{ca}s1a d1 a1

Cat.7 S/FTP



Application

Primary (Campus), Sekundary (Riser), Tertiary(Horizontal), Home Cabling (Smart Home)

IEEE 802.3: 10Base-T; 100Base-T; 1000Base-T; 10GBase-T

ISDN;

Fulfills the minimum requirements of Class E_A with a conductor diameter of AWG26 at a max. Transmission distance of 60m instead of 90m for the permanent link.

Power over Ethernet (PoE) / Type 1-4

Standards

IEC 61156-6 work area cable

ISO/IEC 11801, EN 50173-1, EN 50288-4-2

IEEE 802.3at / af / bt

Flame resistance

EN 50399: Class C_{ca}s1a d1 a1

LSHF-FR: IEC 60332-3-24; IEC 60332-1; IEC 60754-2; IEC 61034

Construction

Conductor	Bare Copper Wire Ø 0.42 mm (AWG26)
Insulation	Foam-Skin Polyethylene, Ø 1.0 mm (+/- 0,05)
Twisting	2 cores to a pair
Pair screening	AL-laminated plastic foil
Cable lay up	4 Pairs (PiMF) to a core
Screening	Copper braid, tinned
Printing	DRAKA UC ^{HOME} Cat.7 SS26 S/FTP 4P + batch number + meter marking
Sheath	LSHF-FR, white

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Mechanical properties

Bending radius	Without load	4xD
	With load	8xD
Temperature range	During operation	-20°C to + 60°C
	During installation	10°C to + 40°C

Electrical properties

at 20°C ± 5°C

Loop resistance		≤ 260 Ω /km	
Resistance unbalance		≤ 2%	
Insulations resistance	(500 V)	≥ 5000 MΩ *km	
Mutual capacity	at 800 Hz	Nom. 44 nF/km	
Capacity unbalance	(pair/ground)	≤ 1600 pF/km	
Characteristic impedance	100 MHz	100 ± 5 Ω	
Nominal velocity of propagation		ca. 76%	
Delay skew		≤ 9 ns/100m	
Test voltage	(DC, 1 min) core/core and core/screen	1000 V	
Transfer impedance	at 1 MHz	5 mΩ /m	Grade 1
	at 10 MHz	5 mΩ /m	
	at 30 MHz	10 mΩ /m	
	at 100MHz	20 mΩ /m	
Coupling attenuation		85 dB	Type 1
Segregation classification acc. EN 50174-2			„D“

Electrical data (nominal)

acc. to Cat.7 (at 20°C)

f (MHz)	Attenuation (dB/10m)	NEXT (dB)	PS-NEXT (dB)	ELFEXT (dB/100m)	PS-ELFEXT (dB/100m)	Return loss (dB)
1.0	0.3	90	87	80	77	23
4.0	0.6	90	87	80	77	24
10.0	1.0	90	87	80	77	25
16.0	1.3	90	87	76	73	25
20.0	1.4	90	87	74	71	25
31.2	1.8	90	87	70	67	25
62.5	2.6	90	87	64	61	23
100.0	3.2	87	84	60	57	21
125.0	3.6	85	82	58	55	20
155.5	4.0	84	81	56	53	19
175.0	4.3	83	80	55	52	19
200.0	4.6	82	79	54	51	18
250.0	5.1	81	78	52	49	18
300.0	5.6	80	77	50	47	17
450.0	6.9	77	74	47	44	17
600.0	7.9	75	72	44	41	17

Technical Data

UC^{HOME} Cat.7 SS26 S/FTP LSHF-FR C_{ca} s1a d1 a1

Product Code	Product name	Outer diameter mm	Euro class	Fire load		Weight kg/km	Copper Content kg/km	Tensile force N
				MJ/km	kWh/m			
60081483	UC ^{HOME} Cat.7 SS26 S/FTP 4P LSHF-FR C _{ca}	6.1	C _{ca} s1a d1 a1	380	0,12	49	21	100
60089020	UC ^{HOME} Cat.7 SS26 S/FTP 4P LSHF-FR C _{ca} 300BR							

DRAKA UC^{HOME} qualified components

Which connectivity matches the UC^{HOME} Cat.7 SS26:

BKS

Multimedia Buchse MMCpro 4P, 408-5741/26
 CAT 6A RJ45 Modul gold, 408-5792F
 CAT 6A RJ45 Modul silber, 408-5793D

BTR

Modular C6A Modul alle E-DAT Modul alle
 Compact E-DAT C6A all panels, jacks, AP-distributer E-DAT C6 all Panels, jacks, AP-distributer E-DAT design: all panels, jacks, AP-distributer
 Connector 1401505010-E and 1401505012-E
 Field-assembly connector 1401405012-I and 1401400810-I
 Field-assembly connector 1401405012PI and 1401400810PI
 Field-assembly connector 130E405032-E and 130E405042-E
 cable connector 130863-E and 130863-01-E
 cable connector and 130863-02-E

Telegärtner

AMJ-S module: all AMJ module: all MFP8: J00026A2003; J00026A2004; J00026A2113; J00026A2114 MPD/MPP: all AMJ 8/8: all VM8-8:

Ruthenbeck

Compact-Universal- Outlets flex (Cat.5 / ClassE / Cat.6 A iso) compact panel (Cat.5 / ClassE / Cat.6 A iso), compact panel basic (Cat.5 / ClassE / Cat.6 A iso), finery patch panel PP AP 6/12, Modular installation patch panel, PPR 6 Universal module

SETEC

LSA components: all XKJ/XAKJ components: all

Tyco

Cat6A-module (2153000-1)
 Cat6-modulel (1711160-1)