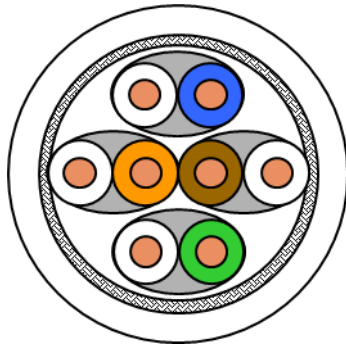


# UC<sup>HOME</sup> Cat.7 SS26 S/FTP 4P LSHF

## Cat. 7S/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<sub>A</sub> with a conductor diameter of AWG26 at a max. Transmission distance of 60m instead of 90m for the permanent link.

POE und POE+ acc. IEEE 802.3at

## Standards

IEC 61156-6 work area cable

ISO/IEC 11801 2<sup>nd</sup> ed.

EN 50173-4

EN 50288-4-2

## Flame resistance

LSHF(FRNC): IEC 60332-1; IEC 60754-2; IEC 61034

## Construction

Conductor	Bare Copper Wire Ø 0.4 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 <sup>HOME</sup> Cat.7 SS26 S/FTP 4P + batch number + meter marking
Sheath	LSHF, 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		≤ 280 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

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## Technical Data

Product Code	Cable type	Brand name	Outer diameter mm	Fire load		Weight kg/km	Copper Content kg/km	Tensile force N
				MJ/km	kWh/m			
60026439	J-02YS(St)CH	UC <sup>HOME</sup> Cat.7 SS26 S/FTP 4P LSHF	5.8	345	0.1	38	21	100
60026455	J-02YS(St)CH 350m Box	UC <sup>HOME</sup> Cat.7 SS26 S/FTP 4P LSHF	5.8	345	0.1	38	21	100
60032039	J-02YS(St)CH 100m Ring	UC <sup>HOME</sup> Cat.7 SS26 S/FTP 4P LSHF	5.8	345	0.1	38	21	100
60032038	J-02YS(St)CH 1000m Drum	UC <sup>HOME</sup> Cat.7 SS26 S/FTP 4P LSHF	5.8	345	0.1	38	21	100