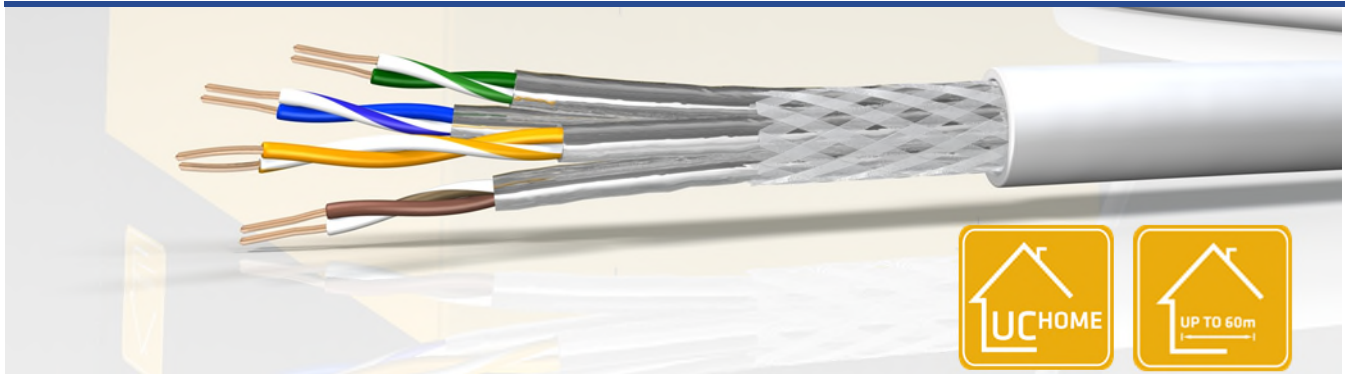


# UC<sup>HOME</sup> Cat.7 SS26 S/FTP 4P LSHF

## 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

EN 50173-4

EN 50288-4-2

## Flame resistance

EN 50399: Class D<sub>ca</sub>S2d1a1; Class Eca

LSHF (LSOH): IEC 60332-1; IEC 60754-2; IEC 61034; Euro Class Eca

## 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 <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                            |                                       | ≤ 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               |

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## Technical Data

| Product Code | Cable type              | Cable type  | Outer diameter mm | Euro class             | 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<br>SS26 S/FTP 4P<br>LSHF   | 5.8               | D <sub>ca</sub> S2d1a1 | 345       | 0,1   | 38           | 21                   | 100             |
| 60026455     | J-02YS(St)CH<br>350BR   | UC <sup>HOME</sup> Cat.7<br>SS26 S/FTP 4P<br>LSHF   | 5.8               |                        | 345       | 0,1   | 38           | 21                   | 100             |
| 60032039     | J-02YS(St)CH<br>100Ring | UC <sup>HOME</sup> Cat.7<br>SS26 S/FTP 4P<br>LSHF   | 5.8               |                        | 345       | 0,1   | 38           | 21                   | 100             |
| 60032038     | J-02YS(St)CH<br>1000DW  | UC <sup>HOME</sup> Cat.7<br>SS26 S/FTP 4P<br>LSHF   | 5.8               |                        | 345       | 0,1   | 38           | 21                   | 100             |
| 60060698     | J-02YS(St)CH            | UC <sup>HOME</sup> Cat.7<br>SS26 S/FTP<br>2x4P LSHF | 5.8x11.8          | D <sub>ca</sub> S2d1a1 | 690       | 0,2   | 76           | 42                   | 200             |
| 60060750     | J-02YS(St)CH<br>100Ring | UC <sup>HOME</sup> Cat.7<br>SS26 S/FTP<br>2x4P LSHF | 5.8x11.8          |                        | 690       | 0,2   | 76           | 42                   | 200             |
| 60060699     | J-02YS(St)CH<br>250DW   | UC <sup>HOME</sup> Cat.7<br>SS26 S/FTP<br>2x4P LSHF | 5.8x11.8          |                        | 690       | 0,2   | 76           | 42                   | 200             |
| 60060697     | J-02YS(St)CH<br>500DW   | UC <sup>HOME</sup> Cat.7<br>SS26 S/FTP<br>2x4P LSHF | 5.8x11.8          |                        | 690       | 0,2   | 76           | 42                   | 200             |

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

## DRAKA UC<sup>HOME</sup> qualified components

### Which connectivity matches the UC<sup>HOME</sup> 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:  
allVM8-8:

#### **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)