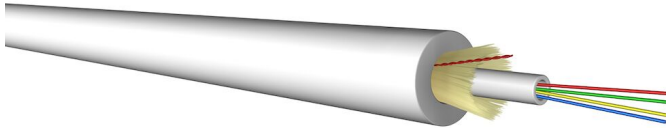


## UC<sup>HOME</sup> FIBRE IDROP 250 DRAG&BLOW LSZH-FR B2<sub>ca</sub>

UC HOME FIBRE IDROP 250 DRAG&BLOW BBXS LSZH-FR B2<sub>ca</sub>



**B2<sub>ca</sub>**  
CPR

### GENERAL INFO

250N central tube cable with up to 12 fibres, aramid yarns and FireRes® sheath, VDE: I-D(ZN)H. Designed with very high flame-retardant performance for indoor drop installation and blowing techniques.

### CABLE FEATURES

- FO cable with central loose tube for optical subscriber access.
- The cable is metal-free with a tensile strength of 250N.
- The jacket is made of halogen-free, flame-retardant material according to IEC60332-1; IEC60332-3-24; IEC60754-1/2; IEC61034; EN50399 for use in public buildings with high personal risk and higher Euro fire class B2ca s1a d1 a1.
- For use as a flame-retardant cable indoors.
- The fiber optic cable exceeds the requirements of EN50173-1, ISO/IEC11801 and EN/IEC60794-2.

More information on fiber optic cable applications: [read more](#)

Latest version of this data sheet is available for download: [ProductFamily377253\\_en.pdf](#)

### CERTIFICATIONS AND DESIGN STANDARDS

ISO/IEC 11801  
EN 50173  
IEC 60794-1-1  
IEC 60794-1-21  
IEC 60794-1-22

Generic telecom cabling for customer premises  
Information technology - Generic cabling systems  
Generic Specification Fibre Optic Cables  
Mechanical Test Methods  
Environmental Test Procedures

### APPLICATION PROPERTIES

|  |  |
|--|--|
| Resistant to UV  | Low  |
| With rodent protection   | No   |
| Permitted cable outer temperature after assembling without vibration (min) [°C]* | -10 (max) [°C] 60  |
| Permitted cable outer temperature during assembling/handling (min) [°C]*         | -10 (max) [°C] 60  |
| Outdoor installation   | No   |
| Bending radius (rule)  | During installation (loaded) = 20xOD, Permanent (unloaded) = 10xOD |

\*Temperature range recommended for cable installation and operation tested according to the IEC 60794-1-22 F1.

### CABLE CONSTRUCTION

|                       |                        |
|-----------------------|------------------------|
| Material outer sheath | Low smoke zero halogen |
| Type of tube          | Central tube           |
| Cable shape           | Round                  |

## IDENTIFICATION

|                     |          |          |
|---------------------|----------|----------|
| Fiber color code    | 1 Red    | 5 White  |
|                     | 2 Green  | 6 Grey   |
|                     | 3 Blue   | 7 Brown  |
|                     | 4 Yellow | 8 Violet |
| Colour outer sheath | White    | RAL 9010 |

## FIRE PROPERTIES

|   |                                      |
|---|--------------------------------------|
| Flame retardant   | In accordance with EN/IEC 60332-3-25 |
| Halogen free  | acc. IEC/EN 60754-1/2                |
| Low smoke   | acc. IEC/EN 61034-2                  |
| Reaction-to-fire class (acc. EN 13501-6)                | B2ca                                 |
| Smoke development class (acc. EN 13501-6)               | s1a                                  |
| Euro class flaming droplets/particles (acc. EN 13501-6) | d1                                   |
| Euro class acidity (acc. EN 13501-6)                    | a1                                   |

## MECHANICAL PROPERTIES

|   |                       |     |
|---|-----------------------|-----|
| Crush (acc. IEC 60794-1-21, E3) [N/10cm]                      | IEC 60794-1-21/22 E3  | 300 |
| Max. tensile strength during installation [kN]                | IEC 60794-1-21/22 E1  | 0.4 |
| Permanent tensile strength [N]                                | IEC 60794-1-21/22 E1  | 100 |
| Kink, no kink at loop diameter (acc. IEC 60794-1-21 E10) [mm] | IEC 60794-1-21/22 E10 |     |

## OVERALL CABLE PROPERTIES

| Product name   | Nominal outer diameter [mm] | Number of fibres | Fire load [MJ/km] | Cable weight [kg/km] |
|--|-----------------------------|------------------|-------------------|----------------------|
| UC HOME FIBRE IDROP 250 DRAG&BLOW I-DH 4<br>G.657A2  | 2.3                         | 4                | 233               | 7                    |
| UC HOME FIBRE IDROP 250 DRAG&BLOW I-DH 12<br>G.657A2 | 2.8                         | 12               | 250               | 10                   |

## ORDERING DETAILS

| Product name   | Colour outer sheath | Number of fibres | Category (fibre) | Fibre datasheet | DOP number | SAP code |
|--|---------------------|------------------|------------------|-----------------|------------|----------|
| UC HOME FIBRE IDROP 250 DRAG&BLOW I-DH 4<br>G.657A2  | White               | 4                | OS2              | C24             | -          | 60099788 |
| UC HOME FIBRE IDROP 250 DRAG&BLOW I-DH 12<br>G.657A2 | White               | 12               | OS2              | C24             | -          | 60099789 |

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