

## UC<sup>FIBRE™</sup> I FL N LSHF-FR LS9 2.0 2

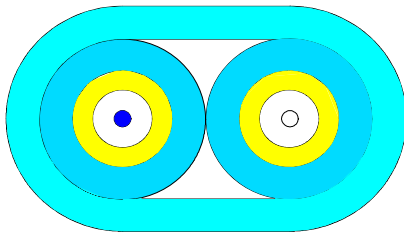
LS9 semi-tight buffer, 2 fibres, aramid yarn, FireRes<sup>®</sup> sheath, common FireRes<sup>®</sup> sheath, Ø 2.0 mm units

DIN/VDE J-V(ZN)HH 2G

NO

FR

DK



### Application and Installation

This cable features Draka's LS9 Dry semi tight buffer  
Interconnect cabling  
Patch cord cable, very well suited for mounting small form factor connectors  
Internal wiring

### Standards

EN 187 000  
IEC 60794-2  
IEC 60794-2-10  
ISO 11801 2<sup>nd</sup> edition  
EN 50 173-1

### Construction

|                 |  |         |
|-----------------|--|---------|
| Fibre           | 2 LS9 dry semi-tightly buffered fibre 900 µm ± 50 µm                   |         |
| Fibre colours   | Fibre 1  | Natural |
|                 | Fibre 2  | Blue    |
| Strength member | Ultra high modulus aramid yarns  |         |
| Unit            | Ø 2.0 mm nominal, the units are formed as a zipcord 2 x Ø2.0 mm        |         |
| Unit sheath     | LSHF-FR fire retardant, UV stabilised sheathing material EN 50290-2-27 |         |
| Common sheath   | LSHF-FR fire retardant, UV stabilised sheathing material EN 50290-2-27 |         |
| Sheath colours  | Cable with SM fibres   | Yellow  |
|                 | Cable with M5 fibres   | Orange  |
|                 | Cable with M6 fibres   | Grey    |
|                 | Cable with MaxCap-OM3 and MaxCap-OM4 fibre                             | Aqua    |

### Fire rating

|                                |   |
|--------------------------------|---|
| IEC 60332-1-2                  | Single vertical wire test                   |
| IEC 60332-3-24 =<br>IEC 332-3C | Vertically-mounted bunched wires and cables |
| IEC 60754-1                    | No halogens                                 |
| IEC 60754-2                    | No acid matters                             |
| IEC 61034-2                    | No dense smoke                              |

### Heat of combustion

|           |            |
|-----------|------------|
| 320 MJ/km | 0.09 kWh/m |
|-----------|------------|

Note: The Draka policy of continuous improvement may cause in changed specifications without prior notice

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### Physical properties

IEC 60974-1-2

|   |     |  |
|---|-----|--|
| Nominal diameter  | -   | 3 x 5 mm   |
| Nominal weight  | -   | 18 kg/km   |
| Tensile strength (dynamic)  | E1  | 240 N  |
| Tensile strength (permanent)  | E1  | 120 N  |
| Compressive strength (crush)  | E3  | 600 N (max. variation 0.05 dB)<br>1000 N (max. variation 0.5 dB)   |
| Impact  | E4  | 2 Nm   |
| Torsion   | E7  | 5 cycles $\pm$ 1 turn  |
| Min. bending radius   | E11 | R = 25 mm  |
| <i>For version with BendBright<sup>XS</sup> fibre:</i><br>Min. bending radius | E11 | R = 7.5 mm<br>R = 15 mm, 6 turns around a mandrel $\varnothing$ 30 mm (maximum attenuation increase $\leq$ 0.02 dB at 1550 nm).<br>Maximum attenuation increase for R = 10 mm 0.1 dB/turn at 1550 nm.<br>Maximum attenuation increase for R = 7.5 mm 0.5 dB/turn at 1550 nm. |
| Temperature range   | F1  | Operation and installation: -20°C to 70°C.<br>Storage: -20°C to 70°C   |

### Product codes – ordering information

| Item No. | Fibre count | Product code                            | Fibre type                        | Fibre data sheet |
|----------|-------------|---|-----------------------------------|------------------|
| 1020383  | 2           | UCFIBRE I FL N LSHF-FR LS9 2.0 2 MM52   | OM2 50/125 multi mode             | C01a             |
| 1020384  | 2           | UCFIBRE I FL N LSHF-FR LS9 2.0 2 MM53   | OM3 MaxCap-OM3                    | C12              |
| 1020381  | 2           | UCFIBRE I FL N LSHF-FR LS9 2.0 2 SM2D.P | OS2 Single mode                   | C18e             |
| 1020382  | 2           | UCFIBRE I FL N LSHF-FR LS9 2.0 2 SM7B   | BendBright <sup>XS</sup> G.657.A2 | C24              |

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