



## UC<sup>FIBRE™</sup> I/O CT D DA LSHF 1.0 kN

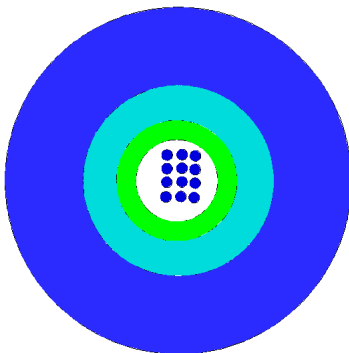
Central tube cable w 2 – 24 fibres, glass elements and FireBur<sup>®</sup> sheath

DIN/VDE U-DQ(ZN)BH

NO QXAI-I/ORG-JSW

FR COUTFV

DK GARPE 6 FR



### Application and Installation

This cable can be used for LAN and WAN backbones, telecom access lines, fibre to business and fibre to the building drop connections as well as fibre to the home drop and access connections.

With its FireBur<sup>®</sup> LSHF sheathing this cable is ideal for mixed indoor and outdoor installation. It is equally suited for installation in ducts and on trays. The cable is well suited for installation in tubes by blowing and flooding.

### Standards

ISO 11801 2<sup>nd</sup> edition

EN 50173-1:2002

IEC 60794-2-20

### Construction

| Loose tube        | Ø2.8 mm jelly filled loose tube with 2 – 16 fibres; Ø3.5 mm loose tube with 24 fibres |           |    |                              |
|-------------------|---|-----------|----|------------------------------|
| Fibre colour code | 1   | Red       | 13 | Yellow w/mark every 70 mm    |
|                   | 2   | Green     | 14 | White w/mark every 70 mm     |
|                   | 3   | Blue      | 15 | Grey w/mark every 70 mm      |
|                   | 4   | Yellow    | 16 | Turquoise w/mark every 70 mm |
|                   | 5   | White     | 17 | Orange w/mark every 70 mm    |
|                   | 6   | Grey      | 18 | Pink w/mark every 70 mm      |
|                   | 7   | Brown     | 19 | Yellow w/mark every 35 mm    |
|                   | 8   | Violet    | 20 | White w/mark every 35 mm     |
|                   | 9   | Turquoise | 21 | Grey w/mark every 35 mm      |
|                   | 10  | Black     | 22 | Turquoise w/mark every 35 mm |
|                   | 11  | Orange    | 23 | Orange w/mark every 35 mm    |
|                   | 12  | Pink      | 24 | Pink w/mark every 35 mm      |

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



## UC<sup>FIBRE™</sup> I/O CT D DA LSHF 1.0 kN

|                 |  |
|-----------------|--|
| Strength member | Waterblocked E-Glass fibre elements                                    |
| Sheath          | 1.0 mm blue FireBur <sup>®</sup> sheath, UV stabilised, IEC 50290-2-27 |

### Fire rating

|               |                           |
|---------------|---------------------------|
| IEC 60332-1-2 | Single vertical wire test |
| IEC 60754-1   | No halogens               |
| IEC 60754-2   | No acid matters           |
| IEC 61034-2   | No dense smoke            |

### Heat of combustion

|              |           |             |
|--------------|-----------|-------------|
| 2-16 fibres: | 630 MJ/km | 0.18 kWh/m  |
| 24 fibres:   | 800 MJ/km | 0.22 kWh/km |

### Physical properties

IEC 60794-1

|                                       |     |   |
|---------------------------------------|-----|---|
| Nominal outer diameter                | -   | 2 - 16 fibres: 6.0 mm<br>18 - 24 fibres: 6.5 mm                                       |
| Nominal weight                        | -   | 2 - 16 fibres: 40 kg/km<br>18 - 24 fibres: 45 kg/km                                   |
| Maximum installation tensile strength | E1  | 1000 N (fibre strain less than 1/2 of proof test level)                               |
| Short term tensile strength           | E1  | 750 N (fibre strain less than 1/3 of proof test level)                                |
| Permanent tensile strength            | E1  | 500 N (no attenuation change, fibre strain less than 1/4 of proof test level)         |
| Compressive strength (crush)          | E3  | 1500 N  |
| Impact                                | E4  | 15 Nm (no attenuation change, no broken cable elements)                               |
| Torsion                               | E7  | 5 cycles ± 1 turn   |
| Kink                                  | E10 | The cables do not form a kink when a loop is drawn together to a diameter of 100 mm   |
| Min. bending radius, unloaded         | E11 | R = 60 mm   |
| Min. bending radius, loaded           | -   | R = 100 mm  |
| Temperature range                     | F1  | Storage: -40°C to +60°C<br>Installation: -30°C to +40°C<br>Operation: -30°C to +60°C. |
| Water penetration                     | F5B | No water on free end  |

### Sheath marking

Draka UC<sup>FIBRE</sup> I/O CT D DA LSHF 1.0 kN <Fibre count> <Fibre type><Fibre brand><Item No>05<Batch Number><Meter mark> U-DQ(ZN)BH <Fibre count> <Fibre family> <Mode field diameter> /125 <Transmission Class>

*There is approximately 10cm space between the three blocks of text. Text string repeats every meter of the cable.*

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



# Draka

# Alcadon

E14a\_e  
2011-04-01 Version 11.1  
Page 3 of 3

## UC<sup>FIBRE™</sup> I/O CT D DA LSHF 1.0 kN

### Product codes – ordering information

| Item No. | Fibre count | Product code                                | Fibre type                                   | Fibre data sheet |
|----------|-------------|---|--|------------------|
| 1017435  | 4           | UCFIBRE I/O CT D DA LSHF 1.0kN 4 MM51       | OM2 50/125 multi mode 500/500                | C23              |
| 1017436  | 6           | UCFIBRE I/O CT D DA LSHF 1.0kN 6 MM51       | OM2 50/125 multi mode 500/500                | C23              |
| 1017107  | 8           | UCFIBRE I/O CT D DA LSHF 1.0kN 8 MM51       | OM2 50/125 multi mode 500/500                | C23              |
| 1017437  | 12          | UCFIBRE I/O CT D DA LSHF 1.0kN 12 MM51      | OM2 50/125 multi mode 500/500                | C23              |
| 1017438  | 24          | UCFIBRE I/O CT D DA LSHF 1.0kN 24 MM51      | OM2 50/125 multi mode 500/500                | C23              |
| 1018246  | 4           | UCFIBRE I/O CT D DA LSHF 1.0kN 4 OM3B       | MaxCap-BB-OM3 50/125 multi mode              | C31              |
| 1017113  | 6           | UCFIBRE I/O CT D DA LSHF 1.0kN 6 OM3B       | MaxCap-BB-OM3 50/125 multi mode              | C31              |
| 1017139  | 8           | UCFIBRE I/O CT D DA LSHF 1.0kN 8 OM3B       | MaxCap-BB-OM3 50/125 multi mode              | C31              |
| 1017140  | 12          | UCFIBRE I/O CT D DA LSHF 1.0kN 12 OM3B      | MaxCap-BB-OM3 50/125 multi mode              | C31              |
| 1017141  | 24          | UCFIBRE I/O CT D DA LSHF 1.0kN 24 OM3B      | MaxCap-BB-OM3 50/125 multi mode              | C31              |
| 1022246  | 12          | UCFIBRE I/O CT D DA LSHF 1.0kN 12 OM4B      | MaxCap-BB-OM4 50/125 multi mode              | C32              |
| 1022247  | 24          | UCFIBRE I/O CT D DA LSHF 1.0kN 24 OM4B      | MaxCap-BB-OM4 50/125 multi mode              | C32              |
| 1016955  | 4           | UCFIBRE I/O CT D DA LSHF 1.0kN 4 MM61       | OM1 62.5/125 multi mode                      | C02              |
| 1017267  | 6           | UCFIBRE I/O CT D DA LSHF 1.0kN 6 MM61       | OM1 62.5/125 multi mode                      | C02              |
| 1016959  | 8           | UCFIBRE I/O CT D DA LSHF 1.0kN 8 MM61       | OM1 62.5/125 multi mode                      | C02              |
| 1017536  | 12          | UCFIBRE I/O CT D DA LSHF 1.0kN 12 MM61      | OM1 62.5/125 multi mode                      | C02              |
| 1017269  | 24          | UCFIBRE I/O CT D DA LSHF 1.0kN 24 MM61      | OM1 62.5/125 multi mode                      | C02              |
| 1016956  | 4           | UCFIBRE I/O CT D DA LSHF 1.0kN 4 SM2D       | OS2 Single mode G652.D                       | C03e             |
| 1017268  | 6           | UCFIBRE I/O CT D DA LSHF 1.0kN 6 SM2D       | OS2 Single mode G652.D                       | C03e             |
| 1016960  | 8           | UCFIBRE I/O CT D DA LSHF 1.0kN 8 SM2D       | OS2 Single mode G652.D                       | C03e             |
| 1016962  | 12          | UCFIBRE I/O CT D DA LSHF 1.0kN 12 SM2D      | OS2 Single mode G652.D                       | C03e             |
| 1016964  | 24          | UCFIBRE I/O CT D DA LSHF 1.0kN 24 SM2D      | OS2 Single mode G652.D                       | C03e             |
| 1018667  | 12          | UCFIBRE I/O CT D DA LSHF 1.0kN 12 SM2D/MM52 | Hybrid 4 x OS2 single mode + 8 x OM2 50/125  | C03e + C01a      |
| 1018668  | 24          | UCFIBRE I/O CT D DA LSHF 1.0kN 24 SM2D/MM52 | Hybrid 16 x OS2 single mode + 8 x OM2 50/125 | C03e + C01a      |

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

BELGIUM

DENMARK

GERMANY

NETHERLANDS

NORWAY

SWEDEN