

## UC<sup>FIBRE</sup> O CT D DA PE 1.0kN

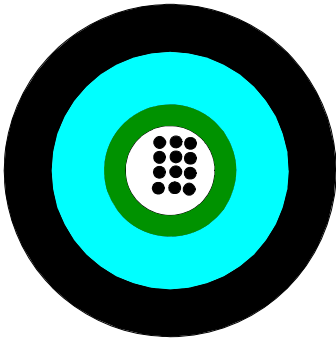
Central tube, 2 – 24 fibres, LLDPE sheath.

DIN/VDE A-DQ(ZN)2Y

NO

FR COUDEV

DK GARPE 6



### 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 LLDPE sheathing this cable is ideal for outdoor installation where the installation conditions are not too difficult.

The cable features a high tensile strength and a degree of rodent protection, effective in many cases.

It is equally suited for installation in ducts and on trays. The cable is ideal for installation in tubes by blowing and flooding.

### Standards

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

EN 50173-1:2002

IEC 60794-1

### 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 per 70 mm      |
|                   | 2   | Green     | 14 | White w/mark per 70 mm       |
|                   | 3   | Blue      | 15 | Grey w/mark per 70 mm        |
|                   | 4   | Yellow    | 16 | Turquoise w/mark per 70 mm   |
|                   | 5   | White     | 17 | Orange w/mark per 70 mm      |
|                   | 6   | Grey      | 18 | Pink w/mark per 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      |
| Strength member   | Waterblocked E-Glass fibre elements   |           |    |                              |
| Sheath            | 1.0 mm black LLDPE sheath, IEC 60811, IEC 60708                                       |           |    |                              |

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

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### Fire rating

None

### 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 $\pm$ 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: -20°C to +40°C<br>Operation: -20°C to +60°C. |
| Water penetration                     | F5B | No water on free end  |

### Product codes – ordering information

| Item No. | Fibre count | Product code                       | Fibre type                     | Fibre data sheet |
|----------|-------------|------------------------------------|--------------------------------|------------------|
| 1017451  | 4           | UCFIBRE O CT D DA PE 1.0kN 4 MM51  | OM2 50/125 multi mode 500/500  | C23              |
| 1017452  | 8           | UCFIBRE O CT D DA PE 1.0kN 8 MM51  | OM2 50/125 multi mode 500/500  | C23              |
| 1017071  | 12          | UCFIBRE O CT D DA PE 1.0kN 12 MM51 | OM2 50/125 multi mode 500/500  | C23              |
| 1017122  | 24          | UCFIBRE O CT D DA PE 1.0kN 24 MM51 | OM2 50/125 multi mode 500/500  | C23              |
| 1017062  | 4           | UCFIBRE O CT D DA PE 1.0kN 4 MM52  | OM2 50/125 multi mode 600/1200 | C01a             |
| 1017272  | 6           | UCFIBRE O CT D DA PE 1.0kN 6 MM52  | OM2 50/125 multi mode 600/1200 | C01a             |
| 1017067  | 8           | UCFIBRE O CT D DA PE 1.0kN 8 MM52  | OM2 50/125 multi mode 600/1200 | C01a             |
| 1017068  | 12          | UCFIBRE O CT D DA PE 1.0kN 12 MM52 | OM2 50/125 multi mode 600/1200 | C01a             |
| 1017063  | 4           | UCFIBRE O CT D DA PE 1.0kN 4 MM61  | OM1 62.5/125 multi mode        | C02              |
| 1017065  | 6           | UCFIBRE O CT D DA PE 1.0kN 6 MM61  | OM1 62.5/125 multi mode        | C02              |
| 1019212  | 8           | UCFIBRE O CT D DA PE 1.0kN 8 MM61  | OM1 62.5/125 multi mode        | C02              |
| 1017069  | 12          | UCFIBRE O CT D DA PE 1.0kN 12 MM61 | OM1 62.5/125 multi mode        | C02              |
| 1017120  | 16          | UCFIBRE O CT D DA PE 1.0kN 16 MM61 | OM1 62.5/125 multi mode        | C02              |
| 1017542  | 24          | UCFIBRE O CT D DA PE 1.0kN 24 MM61 | OM1 62.5/125 multi mode        | C02              |
| 1017064  | 4           | UCFIBRE O CT D DA PE 1.0kN 4 SM2D  | OS2 Single mode                | C03e             |
| 1017066  | 6           | UCFIBRE O CT D DA PE 1.0kN 6 SM2D  | OS2 Single mode                | C03e             |
| 1017070  | 12          | UCFIBRE O CT D DA PE 1.0kN 12 SM2D | OS2 Single mode                | C03e             |
| 1017121  | 24          | UCFIBRE O CT D DA PE 1.0kN 24 SM2D | OS2 Single mode                | C03e             |

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