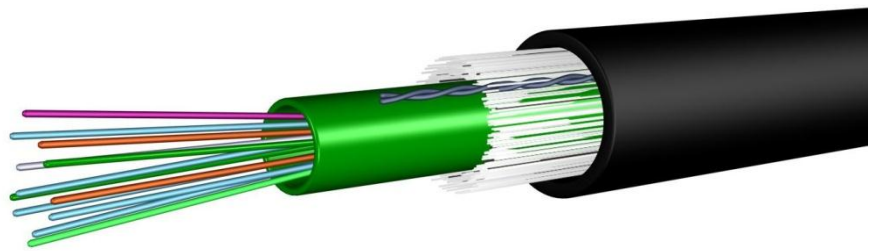
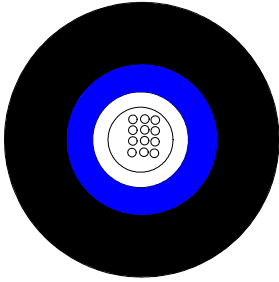


## E08a: UC<sup>FIBRE</sup> Outdoor central tube cable

**1500N central tube cable w. 2 – 24 fibres, glass yarns and LLDPE sheath. VDE A-DQ(ZN)B2Y**



### 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 well suited for direct burial with proper sand back filling.

### 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            | 1.2 mm black LLDPE sheath, IEC 60811, IEC 60708                                                                                                                                                                     |           |    |                              |
|                   | Draka UC <sup>FIBRE</sup> O CT D DA PE 1.5 kN <Fibre count> <Fibre type><Fibre brand><Item No>05<Batch Number><Meter mark> A-DQ(ZN)B2Y <Fibre count> <Fibre family> <Mode field diameter> /125 <Transmission Class> |           |    |                              |

# E08a: UC<sup>FIBRE</sup> Outdoor central tube cable

## Physical properties

## IEC 60794-1

| Property                              | Test method | Value                                                                                                         |
|---------------------------------------|-------------|---------------------------------------------------------------------------------------------------------------|
| Nominal outer diameter                | -           | 2 - 16 fibres: 6.5 mm<br>24 fibres: 7.0 mm                                                                    |
| Nominal weight                        | -           | 2 - 16 fibres: 40 kg/km<br>24 fibres: 45 kg/km                                                                |
| Maximum installation tensile strength | E1          | 1500 N (fibre strain less than 1/2 of proof test level).                                                      |
| Tensile strength (dynamic)            | E1          | 1000 N (fibre strain less than 1/3 of proof test level).                                                      |
| Tensile strength (permanent)          | E1          | 750 N (no attenuation change; fibre strain less than 1/4 of proof test level).                                |
| Compressive strength (crush)          | E3          | 2000 N                                                                                                        |
| Impact                                | E7          | 20 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 200 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 (short term up to 70 °C)<br>Installation: -15°C to +40°C<br>Operation: -30°C to +60°C |
| Water penetration                     | F5B         | No water on free end                                                                                          |

# E08a: UC<sup>FIBRE</sup> Outdoor central tube cable

## Product codes – ordering information

| Prysmian group material code | Prysmian Group material description | Draka Material code | Fibre count | Fibre type               | Fibre data sheet |
|------------------------------|-------------------------------------|---------------------|-------------|--------------------------|------------------|
| 60029226                     | UCFIBRE O CT D DA PE 1.5kN 2 OM2B   |                     | 2           | MaxCap-BB-OM2 multi mode | C34              |
| 60011397                     | UCFIBRE O CT D DA PE 1.5kN 4 OM2B   |                     | 4           | MaxCap-BB-OM2 multi mode | C34              |
| 60011378                     | UCFIBRE O CT D DA PE 1.5kN 6 OM2B   |                     | 6           | MaxCap-BB-OM2 multi mode | C34              |
| 60018763                     | UCFIBRE O CT D DA PE 1.5kN 8 OM2B   |                     | 8           | MaxCap-BB-OM2 multi mode | C34              |
| 60011380                     | UCFIBRE O CT D DA PE 1.5kN 12 OM2B  |                     | 12          | MaxCap-BB-OM2 multi mode | C34              |
| 60019409                     | UCFIBRE O CT D DA PE 1.5kN 16 OM2B  |                     | 16          | MaxCap-BB-OM2 multi mode | C34              |
| 60011385                     | UCFIBRE O CT D DA PE 1.5kN 24 OM2B  |                     | 24          | MaxCap-BB-OM2 multi mode | C34              |
| 60020590                     | UCFIBRE O CT D DA PE 1.5kN 2 OM3B   |                     | 2           | MaxCap-BB-OM3 multi mode | C31              |
| 60020056                     | UCFIBRE O CT D DA PE 1.5kN 4 OM3B   |                     | 4           | MaxCap-BB-OM3 multi mode | C31              |
| 60028116                     | UCFIBRE O CT D DA PE 1.5kN 8 OM3B   |                     | 8           | MaxCap-BB-OM3 multi mode | C31              |
| 60019415                     | UCFIBRE O CT D DA PE 1.5kN 12 OM3B  |                     | 12          | MaxCap-BB-OM3 multi mode | C31              |
| 60019416                     | UCFIBRE O CT D DA PE 1.5kN 24 OM3B  |                     | 24          | MaxCap-BB-OM3 multi mode | C31              |
| 60019381                     | UCFIBRE O CT D DA PE 1.5kN 4 OM4B   | 1021590             | 4           | MaxCap-BB-OM4 multi mode | C32              |
| 60019382                     | UCFIBRE O CT D DA PE 1.5kN 8 OM4B   | 1021591             | 8           | MaxCap-BB-OM4 multi mode | C32              |
|                              | UCFIBRE O CT D DA PE 1.5kN 12 OM4B  |                     | 12          | MaxCap-BB-OM4 multi mode | C32              |
|                              | UCFIBRE O CT D DA PE 1.5kN 16 OM4B  |                     | 16          | MaxCap-BB-OM4 multi mode | C32              |
|                              | UCFIBRE O CT D DA PE 1.5kN 24 OM4B  |                     | 24          | MaxCap-BB-OM4 multi mode | C32              |
| 60019593                     | UCFIBRE O CT D DA PE 1.5kN 2 MM61   | 1022861             | 2           | OM1 62.5/125 multi mode  | C02              |
| 60011341                     | UCFIBRE O CT D DA PE 1.5kN 4 MM61   | 1017017             | 4           | OM1 62.5/125 multi mode  | C02              |
| 60018761                     | UCFIBRE O CT D DA PE 1.5kN 6 MM61   | 1017018             | 6           | OM1 62.5/125 multi mode  | C02              |
| 60018819                     | UCFIBRE O CT D DA PE 1.5kN 8 MM61   | 1017441             | 8           | OM1 62.5/125 multi mode  | C02              |
| 60018766                     | UCFIBRE O CT D DA PE 1.5kN 12 MM61  | 1017023             | 12          | OM1 62.5/125 multi mode  | C02              |
| 60018844                     | UCFIBRE O CT D DA PE 1.5kN 24 MM61  | 1017540             | 24          | OM1 62.5/125 multi mode  | C02              |
| 60018939                     | UCFIBRE O CT D DA PE 1.5kN 2 SM2D   | 1019047             | 2           | OS2 Single mode          | C03e             |
| 60018842                     | UCFIBRE O CT D DA PE 1.5kN 4 SM2D   | 1017537             | 4           | OS2 Single mode          | C03e             |
| 60018762                     | UCFIBRE O CT D DA PE 1.5kN 6 SM2D   | 1017019             | 6           | OS2 Single mode          | C03e             |
| 60018764                     | UCFIBRE O CT D DA PE 1.5kN 8 SM2D   | 1017021             | 8           | OS2 Single mode          | C03e             |
| 60018767                     | UCFIBRE O CT D DA PE 1.5kN 12 SM2D  | 1017024             | 12          | OS2 Single mode          | C03e             |
| 60018843                     | UCFIBRE O CT D DA PE 1.5kN 16 SM2D  | 1017539             | 16          | OS2 Single mode          | C03e             |
| 60018769                     | UCFIBRE O CT D DA PE 1.5kN 24 SM2D  | 1017026             | 24          | OS2 Single mode          | C03e             |
|                              | UCFIBRE O CT D DA PE 1.5kN 4 SM7B   |                     | 4           | BendBright XS G.657.A2   | C24              |
| 60031854                     | UCFIBRE O CT D DA PE 1.5kN 6 SM7B   |                     | 6           | BendBright XS G.657.A2   | C24              |
|                              | UCFIBRE O CT D DA PE 1.5kN 8 SM7B   |                     | 8           | BendBright XS G.657.A2   | C24              |
|                              | UCFIBRE O CT D DA PE 1.5kN 12 SM7B  |                     | 12          | BendBright XS G.657.A2   | C24              |
|                              | UCFIBRE O CT D DA PE 1.5kN 16 SM7B  |                     | 16          | BendBright XS G.657.A2   | C24              |
|                              | UCFIBRE O CT D DA PE 1.5kN 24 SM7B  |                     | 24          | BendBright XS G.657.A2   | C24              |

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