

UC^{FIBRE™} OCTN MA PE 1.0 kN

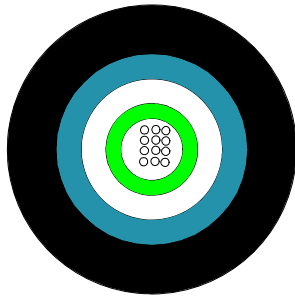
Central tube, 2 – 24 fibres, steel armouring, MDPE sheath

DIN/VDE A-D(ZN)(SR)2Y

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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 MDPE sheathing this cable is ideal for outdoor installation.
The cable, having a corrugated steel tape armouring is rodent proof.
The cable is well suited for installation in ducts and on trays.
The cable is excellent for direct burial with proper sand back filling.

Standards

ISO 11801 2nd 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 | E-Glass yarns | | | |
| Armouring | 0.15 mm corrugated steel tape | | | |
| Sheath | 1.5 mm black MDPE sheath, IEC 60811, IEC 60708 | | | |

Fire rating

None

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

UC^{FIBRE™} OCTNMAPE 1.0 kN

Physical properties

IEC 60794-1

| Property | Test method | Value |
|-------------------------------|-------------|---|
| Nominal outer diameter | - | 2 - 16 fibres: 8.5 mm 18 - 24 fibres: 9.5 mm |
| Nominal weight | - | 2 - 16 fibres: 75 kg/km 18 - 24 fibres: 80 kg/km |
| Tensile strength (dynamic) | E1 | 1000 N |
| Tensile strength (permanent) | E1 | 500 N |
| Compressive strength (crush) | E3 | 2000N |
| Impact | E4 | 10 Nm |
| 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 = 55 mm |
| Min. Bending radius, loaded | - | R = 110 mm |
| Temperature range | F1 | Storage and installation: -40°C to +70°C Operation: -40°C to +70°C. The max. attenuation variation in the operational temperature range is: For M6 and M5 fibres: 0.5 dB/km For SM fibres: 0.2 dB/km. |

Product codes – ordering information

| Item No. | Fibre count | Product code | Fibre type | Fibre data sheet |
|----------|-------------|--------------------------------|--------------------------------|------------------|
| 1018673 | 4 | UCFIBRE OCTNMAPE 1.0kN 4 MM51 | OM2 50/125 multi mode 500/500 | C23 |
| 1018674 | 6 | UCFIBRE OCTNMAPE 1.0kN 6 MM51 | OM2 50/125 multi mode 500/500 | C23 |
| 1018675 | 8 | UCFIBRE OCTNMAPE 1.0kN 8 MM51 | OM2 50/125 multi mode 500/500 | C23 |
| 1018676 | 12 | UCFIBRE OCTNMAPE 1.0kN 12 MM51 | OM2 50/125 multi mode 500/500 | C23 |
| 1018678 | 24 | UCFIBRE OCTNMAPE 1.0kN 24 MM51 | OM2 50/125 multi mode 500/500 | C23 |
| 1016979 | 4 | UCFIBRE OCTNMAPE 1.0kN 4 MM52 | OM2 50/125 multi mode 600/1200 | C01a |
| 1016981 | 6 | UCFIBRE OCTNMAPE 1.0kN 6 MM52 | OM2 50/125 multi mode 600/1200 | C01a |
| 1016984 | 8 | UCFIBRE OCTNMAPE 1.0kN 8 MM52 | OM2 50/125 multi mode 600/1200 | C01a |
| 1016987 | 12 | UCFIBRE OCTNMAPE 1.0kN 12 MM52 | OM2 50/125 multi mode 600/1200 | C01a |
| 1017439 | 24 | UCFIBRE OCTNMAPE 1.0kN 24 MM52 | OM2 50/125 multi mode 600/1200 | C01a |
| 1018253 | 4 | UCFIBRE OCTNMAPE 1.0kN 4 MM53 | MaxCap-OM3 | C12 |
| 1016980 | 4 | UCFIBRE OCTNMAPE 1.0kN 4 MM61 | OM1 62.5/125 multi mode | C02 |
| 1016982 | 6 | UCFIBRE OCTNMAPE 1.0kN 6 MM61 | OM1 62.5/125 multi mode | C02 |
| 1016985 | 8 | UCFIBRE OCTNMAPE 1.0kN 8 MM61 | OM1 62.5/125 multi mode | C02 |
| 1016988 | 12 | UCFIBRE OCTNMAPE 1.0kN 12 MM61 | OM1 62.5/125 multi mode | C02 |
| 1017853 | 16 | UCFIBRE OCTNMAPE 1.0kN 16 MM61 | OM1 62.5/125 multi mode | C02 |
| 1017440 | 24 | UCFIBRE OCTNMAPE 1.0kN 24 MM61 | OM1 62.5/125 multi mode | C02 |
| 1016983 | 6 | UCFIBRE OCTNMAPE 1.0kN 6 SM2D | OS2 Single mode | C03e |
| 1016986 | 8 | UCFIBRE OCTNMAPE 1.0kN 8 SM2D | OS2 Single mode | C03e |
| 1016989 | 12 | UCFIBRE OCTNMAPE 1.0kN 12 SM2D | OS2 Single mode | C03e |
| 1020193 | 16 | UCFIBRE OCTNMAPE 1.0kN 16 SM2D | OS2 Single mode | C03e |
| 1016990 | 24 | UCFIBRE OCTNMAPE 1.0kN 24 SM2D | OS2 Single mode | C03e |

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