

UC^{FIBRE™} O ST DA PE PE 2.7 kN

Stranded loose tubes, 4 – 36 fibres, 4 or 6 fibre loose tubes, inner PE sheath, yarn reinforcement, outer PE sheath

DIN/VDE A-DF 2Y Q (ZN) 2Y

NO

FR

DK



Application and Installation

Outdoor data and telecommunication trunk lines
Non metallic armoring and double sheath, suited for direct burial

Standards

EN 187 000
IEC 60794-3
IEC 60794-3-10
IEC 60794-3-12
ISO 11801 2nd edition
EN 50173-1:2002

Construction

| | | | | |
|-------------------------|---|-------|---|--------|
| Central strength member | ø2.5 mm FRP rod | | | |
| Fibre colour code | 1 | Red | 4 | Yellow |
| | 2 | Green | 5 | White |
| | 3 | Blue | 6 | Grey |
| | | | | |
| Loose tube | Ø2.3 mm jelly filled loose tubes, with 2 – 6 fibres each. | | | |
| Water blocking | The core is water blocked using jelly. | | | |
| Wrapping | Polyester tape | | | |
| Inner sheath | 1.5 mm black MDPE, IEC 60811, IEC 60708 | | | |
| Wrapping | Swellable tape | | | |
| Reinforcement | E-Glass yarns | | | |
| Outer sheath | 2.0 mm black MDPE, 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 60974-1-2

| | | |
|------------------------------|-----|--|
| Nominal outer diameter | - | 16 mm |
| Nominal weight | - | 215 kg/km |
| Tensile strength (dynamic) | E1 | 2700 N |
| Tensile strength (permanent) | E1 | 2000 N |
| Compressive strength (crush) | E3 | 3000N/6000N *) |
| Impact | E4 | 25 Nm/50 Nm *) |
| Reverse bending; cold | E6 | 30 reversed bends; R = 200 mm; T = -20°C |
| Min. Bending radius | E11 | R = 200 mm |
| Temperature range | F1 | -40°C to +70°C |
| Water penetration | F5 | No water on free end |

*) After the 3000N and the 25 Nm experiments there is no damage to the cable elements and no attenuation change
After the 6000N and the 50 Nm experiments there are small marks on the loose tubes and no attenuation change

Product codes – ordering information

| Item No. | Fibre count | Product code | Fibre type | Fibre data sheet |
|----------|-------------|--------------|------------|------------------|
| | | | | |

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