

UC FIBRE™ Ø STD MA PE 1.8 kN

Stranded loose tube, 6 – 96 fibre, 6, 8 or 12 fibres per 2.3 mm tube, semi dry construction, inner MDPE sheath, corrugated steel tape armouring, outer MDPE sheath



Application and Installation

Outdoor data communication connections
Telecom trunk lines
Telecom access net connections
CATV trunk lines

Standards

EN 187 000
IEC 60794-3
IEC 60794-3-10
IEC 60794-3-12
ISO 11801 2nd edition
EN 50 173-1

Construction

Central strength member	Ø2.5 mm FRP rod
Loose tube	Ø2.3 mm jelly filled loose tubes with up to 12 fibres each
Water blocking	The core is wrapped with swellable tape
Inner sheath	1.3 mm black MDPE, IEC 60811, IEC 60708
Armouring	0.155 mm corrugated steel tape
Outer sheath	1.5 mm black MDPE, IEC 60811, IEC 60708

Fire rating

None.

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Physical properties

IEC 60974-1-2

Tensile strength (dynamic)	E1	1800 N
Tensile strength (permanent)	E1	1200 N
Compressive strength (crush)	E3	3000N
Impact	E4	20 Nm
Reverse bending	E6	30 reversed bends; R = 300 mm;
Torsion	E7	5 cycles ±1 turn
Kink	E10	No kink at 12 x cable diameter
Temperature range	F1	Storage: -60 °C to 60 °C Installation: -30 °C to 60 °C Operation -60 °C to 70 °C In the interval -60 °C to 70 °C there is no attenuation variation (≤ 0.05 dB) for a single mode fibre, when tested according to the standard mentioned.
Water penetration	F5B	No water on free end (core only)

Mechanical properties

Fibre count; 6 fibre/tube	Fibre count; 8 fibre/tube	Fibre count; 12 fibre/tube	Nominal diameter	Nominal cable weight	Minimum bending radius
6-36	8-48	8-72	14.5 mm	210 kg/km	290 mm
42-48	56-64	84-96	16.0 mm	250 kg/km	320 mm

Product codes – ordering information

Product code	Fibre count	Fibre type	Fibre data sheet