

UC^{FIBRE} O STD PE 1.8 kN

Stranded loose tube, 6 – 264 fibres;
6, 8 or 12 fibres per ø 2.3 mm tube; black PE Sheath

Construction

Central strength member	ø2.5 mm FRP rod
Loose tube	ø2.3 mm jelly filled loose tubes, with 2 – 12 fibres each, up to 22 tubes in two layers
Water blocking	The core is water blocked using swellable tape and yarn
Wrapping	Swellable tape
Ripcord	Polyester ripcord for easy slitting the sheath
Sheath	1.5 mm black MDPE, IEC 60811, IEC 60708

Physical properties

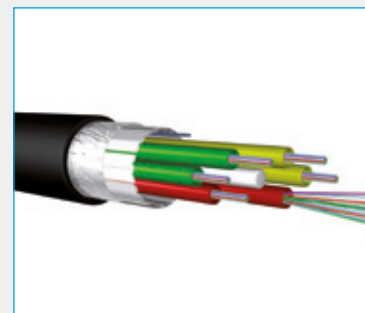
Property	Value
Tensile strength (dynamic)	1800 N
Tensile strength (permanent)	1200 N
Compressive strength (crush)	3000N
Impact	20 Nm
Torsion	5 cycles ± 1 turn
Temperature range	Storage: -40°C to +70°C Installation: -30°C to +60°C Operation: -40°C to +70°C.
Water penetration	No water on free end

Mechanical properties

Fibre count 12 fibre/tube	Diameter	Weight	Minimum bending radius
	mm	kg/km	mm
12-72	10.5	90	160
84-96	12.0	115	180
108-120	13.5	145	200
132-144	15.0	180	225
156-168	16.5	215	250
180-216	15.5	180	225
228-264	17.0	230	255

Technical data

Item No.	Fibre count	Product code	Fibre type	Diameter	Weight
				mm	kg/km
On request	72	UC ^{FIBRE} O STD PE 1.8 kN	refer page 68	n/a	n/a



Standards

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