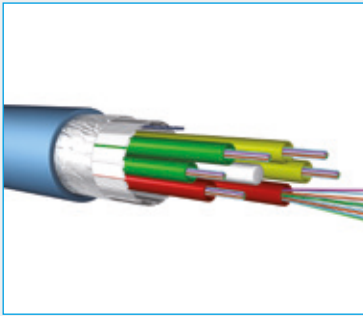


7.1. Cable

**Fire rating**

IEC 60332-1-2	Single vertical wire test,
IEC 60754-1	No halogens
IEC 60754-2	No acid matters
IEC 61034-2	No dense smoke

Standards

EN 187 000
IEC 60794-2
IEC 60794-2-20
IEC 60794-2-21
ISO 11801 2 nd edition
EN 50 173-1

UC^{FIBRE} I/O ST D LSHF 1.8 kN

Stranded loose tube, 6 – 264 fibres,
6, 8 or 12 fibres per \varnothing 2.3 mm tube, FireBur[®] sheath

Construction

Central strength member	\varnothing 2.5 mm FRP rod
Loose tube	\varnothing 2.3 mm jelly filled loose tubes, with 2 – 12 fibres each, up to 22 tubes in two layers, for lay-up refer to B04
Water blocking	The core is water blocked using swellable tape and tread
Wrapping	Polyester nonwoven
Ripcord	Polyester ripcord for easy slitting of the sheath
Sheath	1.5 mm blue FireBur [®] , UV stabilized, EN 50290-2-27

Physical properties

Property	Value
Tensile strength (dynamic)	1800 N
Tensile strength (permanent)	1200 N
Compressive strength (crush)	3000N
Impact	20 Nm
Torsion	5 cycles \pm 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	125	180
108-120	13.5	155	200
132-144	15.0	190	225
156-168	16.5	230	250
180-216	15.0	180	225
228-264	16.5	225	250

Technical data

Item No.	Fibre count	Product code	Fibre type	Diameter	Weight
				mm	kg/km
1018405	72 (6 x 12)	UC ^{FIBRE} I/O ST D DA LSHF 6.0kN 72 SM2D	refer page 68	n/a	n/a