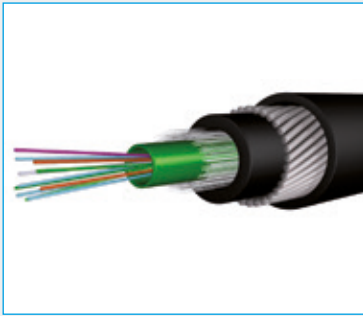


## 7.1. Cable

**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**

ISO 11801 2nd edition  
EN 50173-1:2002  
IEC 60794-1

UC<sup>FIBRE</sup> I/O CT D SWA 09

Steel wire armoured central tube cable  
w 2 - 24 fibres, glass elements, Afumex<sup>®</sup> sheath

**Construction**

<b>Strength member</b>	Waterblocked E-Glass fibre elements
<b>Loose tube</b>	Ø 2.8 mm jelly filled green colored loose tube with 2 - 12 fibres; Ø 3.5 mm loose tube with 24 fibres
<b>Water blocking</b>	No water on free end (core excl. armouring)
<b>Wrapping</b>	Ø 0.9 mm zinc coated steel wires according to IEC 60502
<b>Ripcord</b>	2
<b>Sheath</b>	0.8 mm black Afumex <sup>®</sup> , Halogen free, flame resistant thermoplastic sheathing compound acc. to EN 50290-2-27, UV stabilised

**Physical properties**

Property	Value
<b>Tensile strength (Short term)</b>	2000 N
<b>Tensile strength (permanent)</b>	1000 N
<b>Compressive strength (crush)</b>	2000 N
<b>Impact</b>	15 Nm
<b>Torsion</b>	5 cycles ± 1 turn
<b>Temperature range</b>	Storage: -40°C to +60°C Installation: -10°C to +50°C Operation: -40°C to +60°C.
<b>Water penetration</b>	No water on free end (core excl. armouring)

**Mechanical properties**

Fibre count 12 fibre/tube	Diameter	Weight	Minimum bending radius
	mm	kg/km	mm
<b>2 - 12</b>	10.8	215	
<b>16 - 24</b>	11.2	230	

**Technical data**

Item No.	Fibre count	Product code	Fibre type	Diameter	Weight
				mm	kg/km
<b>60039903</b>	4	UCFIBRE I/O CT D SWA 09 LSHF 4 OM3B	MaxCap-BB-OM3	10.8	215
<b>60039904</b>	6	UCFIBRE I/O CT D SWA 09 LSHF 8 OM3B	MaxCap-BB-OM3	10.8	215
<b>60040044</b>	8	UCFIBRE I/O CT D SWA 09 LSHF 12 OM3B	MaxCap-BB-OM3	10.8	215
<b>60040045</b>	12	UCFIBRE I/O CT D SWA 09 LSHF 16 OM3B	MaxCap-BB-OM3	10.8	215
<b>60039905</b>	24	UCFIBRE I/O CT D SWA 09 LSHF 24 OM3B	MaxCap-BB-OM3	11.2	230
<b>60040049</b>	4	UCFIBRE I/O CT D SWA 09 LSHF 4 OM4B	MaxCap-BB-OM4	10.8	215
<b>60040050</b>	6	UCFIBRE I/O CT D SWA 09 LSHF 8 OM4B	MaxCap-BB-OM4	10.8	215
<b>60040051</b>	8	UCFIBRE I/O CT D SWA 09 LSHF 12 OM4B	MaxCap-BB-OM4	10.8	215
<b>60040052</b>	12	UCFIBRE I/O CT D SWA 09 LSHF 16 OM4B	MaxCap-BB-OM4	10.8	215
<b>60040053</b>	24	UCFIBRE I/O CT D SWA 09 LSHF 24 OM4B	MaxCap-BB-OM4	11.2	230