



Submarine fiber optical cable

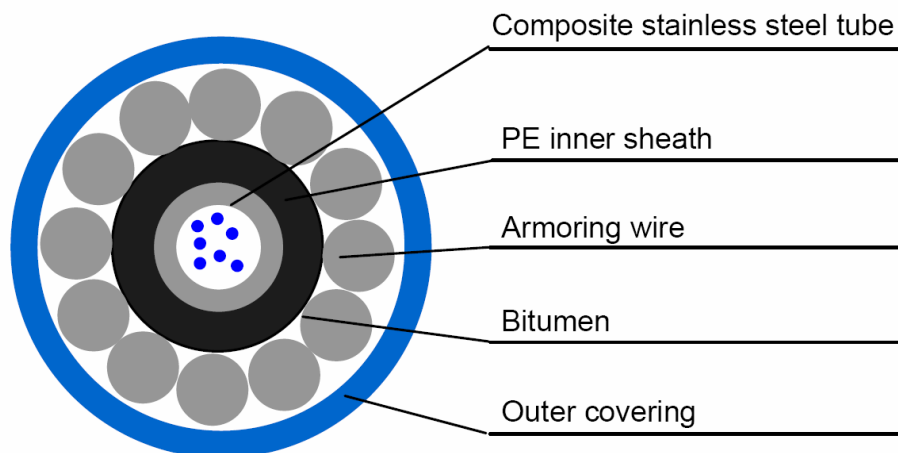
Single armor central tube (SA1C)

Feature:

- Central steel tube ensures reliable protection of the fibers in the core against hydrogen ingress
- Outer sheath flooded with bitumen for anti-corrosion
- Available in single armored, double armored for different application
- According to IEC 60794, ITU T G.652.
- Deliver length mutually agreed with customer



Structure:





Characteristic:

Optical		
Fiber count		4-48
Fiber optic type		Singlemode fiber
Construction		
Fiber optic tube		Laser welded Stainless steel
Inner sheath		HDPE
Armor type		Steel wire
Outer sheath		Polypropylene yarn
Dimensional		
Outer Diameter		27mm
Weight	In air	1.4kg/m
	In seawater	1.0kg/m
Operating temperature		-20°C to 50°C
Storage temperature		-30°C to 60°C
Mechanical		
Ultimate tensile strength		200kN
Nominal transient tensile strength		120kN
Nominal operating tensile strength		60kN
Crush resistance(IEC-794-1-E3)		20kN/100mm
Impact resistance(IEC-794-1-E4)		200Nm
Minimum bending radius		1.2m

*All value are nominal value and may change without notice

Order Information:

Please contact our nearest sales with following information:

- Fiber count
- Fiber type
- Tensile strength
- Sea Depth

Special cable design is available upon request