



## Submarine fiber optical cable

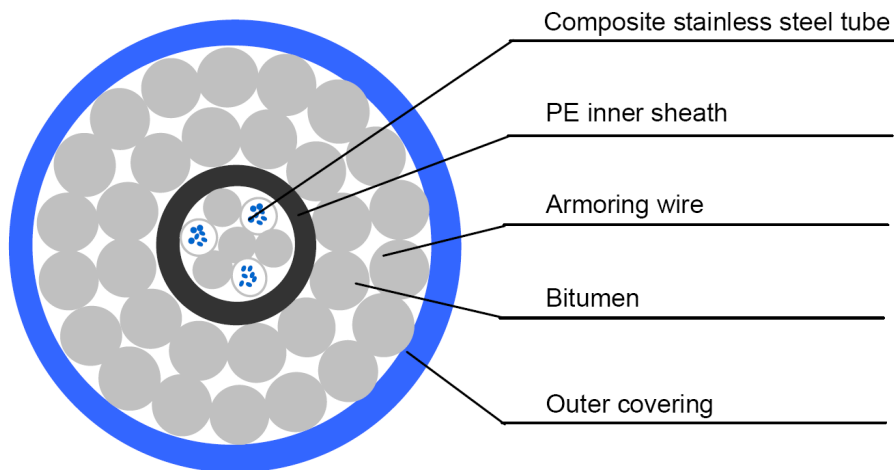
# Double armor stranded (DA2S)

### Feature:

- Stranded steel tube ensures reliable protection of the fibers in the core against hydrogen ingress
- Outer sheath flooded with bitumen for anti-corrosion
- Fiber count up to 144cores
- Available in single armored, double armored for different application.
- According to IEC 794, ITU-T G.652
- Deliver length mutually agreed with customer



### Structure:





# Characteristic:

Optical		
Fiber count		36-144
Fiber optic type		Singlemode fiber
Construction		
Fiber optic tube		Laser welded Stainless steel x3
Inner sheath		HDPE
Armor type		Double layer steel wire
Outer sheath		Polypropylene yarn
Dimensional		
Outer Diameter		37mm
Weight	In air	4.0kg/m
	In seawater	2.9kg/m
Operating temperature		-20°C to 50°C
Storage temperature		-30°C to 60°C
Mechanical		
Ultimate tensile strength		499kN
Nominal transient tensile strength		314kN
Nominal operating tensile strength		187kN
Crush resistance(IEC-794-1-E3)		40kN/100mm
Impact resistance(IEC-794-1-E4)		400Nm
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 requirement
- Sea Depth

*Special cable design is available upon request*