

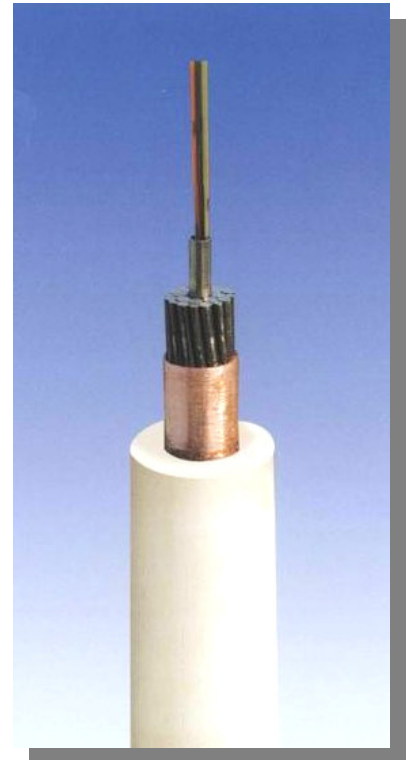


Submarine fiber optical cable

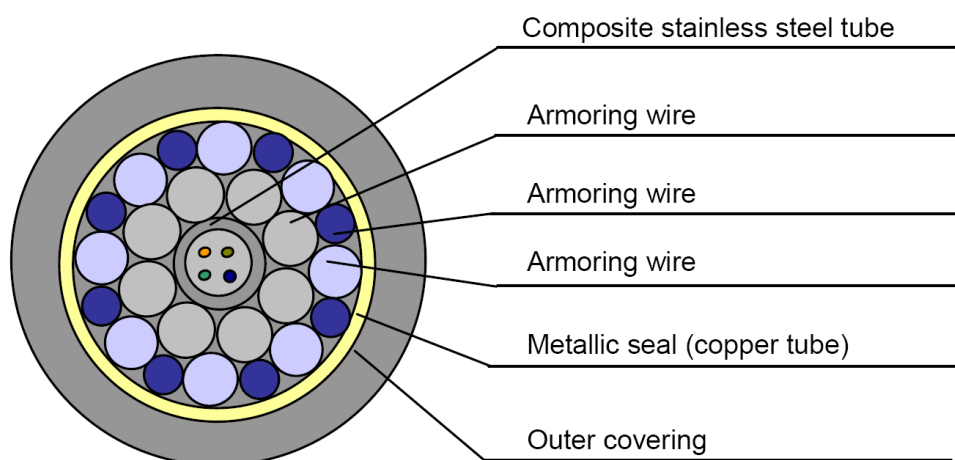
Deep sea light weight (LW2C)

Feature:

- Proved performance in 5000m depth undersea
- Central steel tube ensures reliable protection of the fibers in the core against hydrogen ingress
- Hermetically metallic (copper) sealed tube
- 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		4-24
Fiber optic type		Singlemode fiber
Construction		
Fiber optic tube		Laser welded Stainless steel
Inner sheath		Copper tube
Armor type		High strength steel wire
Outer sheath		HDPE
Dimensional		
Outer Diameter		21mm
Weight	In air	0.8kg/m
	In seawater	0.5kg/m
Operating temperature		-20°C to 50°C
Storage temperature		-30°C to 60°C
Mechanical		
Ultimate tensile strength		80kN
Nominal transient tensile strength		50kN
Nominal operating tensile strength		30kN
Crush resistance(IEC-794-1-E3)		20kN/100mm
Impact resistance(IEC-794-1-E4)		100Nm
Minimum bending radius		0.7m

*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