



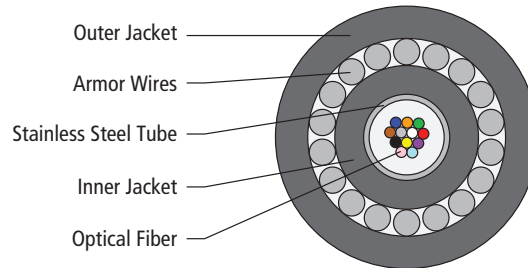
## Fiber Optic Component for Umbilical Cable

AFL's Fiber Optic Component for Umbilical Cable is designed for subsea umbilical applications. AFL is the technology owner for hermetic stainless steel tubes which are the key building block for subsea cables. AFL provides customized designs to meet the most stringent requirements. AFL's Fiber Optic Component is suitable for depths of 10,000 feet and beyond.

### Features

- Hermetic Stainless Steel Tube
- High Strength Wire
- Polyethylene Jacketed
- Hydrogen scavenging gel
- Long lengths
- In-line splice technology
- Proven technology
- Long life expectancy
- Custom Jacket Colors

### Cable Components



### Options and Specifications

PARAMETER	VALUE
Number of Fibers	Up to 96
Fiber	Single-mode, Multimode, 100 or 200 kpsi proof test
Stainless Steel Tube Sizes	2.4 mm to 4.8 mm
Stainless Steel Tube Types	304 or 316L Stainless Steel
Armor	Stranded wires, a range of tensile specifications are available
Fiber Colors	TIA/EIA 598 or customer specification
Unit Weight	150 to 300 kg/km
Overall Diameter	7 mm to 16 mm
Storage Temperature Range	-40 to +85°C
Operating Temperature Range	-40 to +85°C
Breaking Load	Up to 25 kN (dependant on armor selection)
Bend Radius (design dependent)	120 mm to 320 mm
Cable Marking	To customer specification