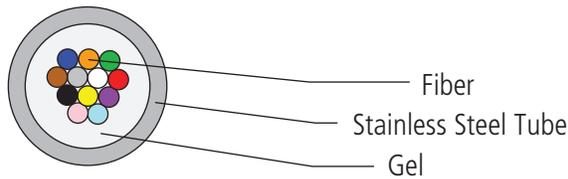


Stainless Steel Fiber Optic Tubes

As the inventor and owner of the technology for placing optical fibers into stainless steel tubes, AFL offers a range of tube sizes and fiber counts for a variety of applications. Each tube is flooded with a thixotropic filling compound and hermetically sealed to protect the enclosed fibers from environmental degradation. This product is sometimes referred to as FIST (Fiber in Steel Tube) or FIMT (Fiber in Metal Tube).

Cable Components



Applications

- OPGW
- Subsea Cables
- Sensor Cables
- Umbilical Cables
- Towed Arrays

Specifications

OPTION NUMBER	MAXIMUM FIBER COUNT	OUTSIDE DIAMETER inches (mm)	INSIDE DIAMETER inches (mm)	WALL THICKNESS inches (mm)
1	3	0.046 (1.17)	0.036 (0.91)	0.005 (0.127)
2	4	0.052 (1.32)	0.042 (1.07)	0.005 (0.127)
3	4	0.055 (1.40)	0.039 (1.00)	0.008 (0.200)
4	6	0.065 (1.65)	0.049 (1.25)	0.008 (0.200)
5	6	0.071 (1.80)	0.055 (1.40)	0.008 (0.200)
6	8	0.074 (1.88)	0.058 (1.47)	0.008 (0.200)
7	8	0.079 (2.00)	0.063 (1.60)	0.008 (0.200)
8	12	0.092 (2.33)	0.076 (1.93)	0.008 (0.200)
9	16	0.095 (2.40)	0.079 (2.00)	0.008 (0.200)
10	16	0.098 (2.49)	0.082 (2.08)	0.008 (0.200)
11	24	0.118 (3.00)	0.102 (2.60)	0.008 (0.200)
12	36	0.125 (3.20)	0.109 (2.80)	0.008 (0.200)
13	60	0.142 (3.60)	0.126 (3.20)	0.008 (0.200)
14	72	0.150 (3.80)	0.134 (3.40)	0.008 (0.200)
15	72	0.158 (4.00)	0.142 (3.60)	0.008 (0.200)
16	72	0.165 (4.20)	0.150 (3.80)	0.008 (0.200)
17	96	0.189 (4.80)	0.165 (4.20)	0.012 (0.300)