

Stainless Steel Sensing Cable

AFL's Stainless Steel Sensing Cable provides a unique combination of size, robustness and strength that enables it to be the product of choice for temperature sensing applications. The product is suitable for installation in tunnels, roadways, airport runways, buried environments, gasifiers and any industrial application where there is a need for crush resistance, high temperature performance and quick thermal response.

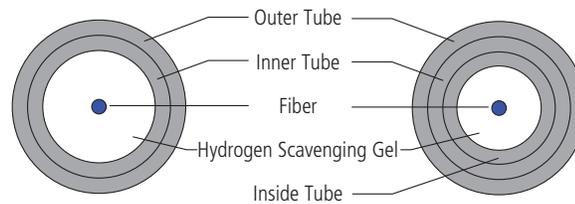
Features

- Small diameter
- Low weight
- Redundant hermetic seal
- Encapsulation options
- Lower cost
- Patent pending

Applications

- Fire detection
- Leak detection
- Thermal mapping
- Temperature monitoring

Cable Components



Options and Specifications

PARAMETER	VALUE	
	DOUBLE TUBE	TRIPLE TUBE
Outer Tube Diameter	0.125	0.125
Tube Wall Thickness	0.016	0.024
Tube Material	Stainless Steel 316L, Incoloy™ 825	
Fiber coating	Carbon Polyimide, Silicon/PFA, Acrylate and others	
Gel types	No gel, standard gel, hydrogen scavenging gel	

STAINLESS STEEL 316L OPTION

Weight	21 lbs / 1,000 ft	28 lbs / 1,000 ft
Tensile	760 lbs	1,060 lbs
Collapse pressure	30,000 psi	44,000 psi
Bend radius (dynamic)	12.6"	12.6"

INCOLOY™ 825 OPTION

Weight	22 lbs / 1,000 ft	28 lbs / 1,000 ft
Tensile	814 lbs	1,134 lbs
Collapse pressure	21,000 psi	32,000 psi
Bend radius (dynamic)	12.6"	12.6"