

SENSING CABLES

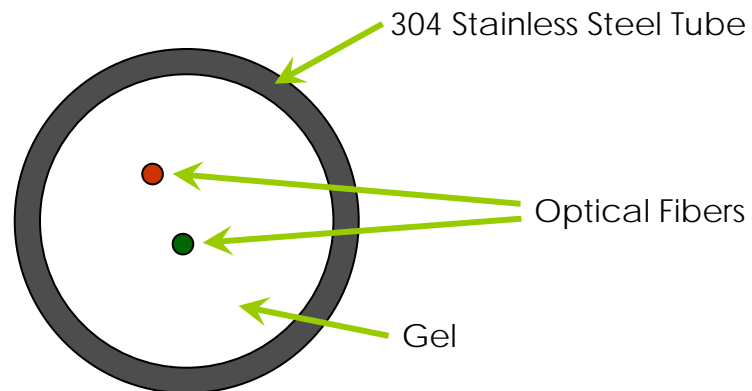
For Wellbore Applications



Companion Cables for
SensorTran DTS Systems



SensorTran Wellbore cables are constructed as shown:





Wellbore Optical Sensing Cables			
Optical Fiber	50 μm graded index multimode	Tensile Strength	106 kg (233 lbs.)
Fiber Coating	Acrylate	Yield Strength	91.9 kg (202.5 lbs)
Secondary Fiber Coating	None	Strain @ Yield	.464%
Fiber Quantity	2	Thermal Expansion	1.73E-05 m/m $^{\circ}\text{C}$ (9.61E-06 in/in $^{\circ}\text{F}$)
Gel Compound	Thixotropic	Hydrostatic Pressure	20 kg/mm ² (28,829 psi)
Inner Protective Sheath	1.4/1.8 mm 304 stainless tube	Burst Pressure	23 kg/mm ² (33,264 psi)
Primary Protective Sheath	None	Working Pressure	18 kg/mm ² (25,625 psi)
Outer Protective Sheath	None	Dynamic Bend Radius	180 mm (7.1")
Outer Diameter	1.8 mm (0.071")	Static Bend Radius	45 mm (1.8")
Operating Temperature	-25 $^{\circ}\text{C}$ to +200 $^{\circ}\text{C}$ (-13 $^{\circ}\text{F}$ to +392 $^{\circ}\text{F}$)	Cable Weight	9.2 kg/km (6.2 lbs/1000 ft.)



Contact		
Headquarters	4401 Freidrich Lane, Bldg. 307 Austin, TX 78744 USA	+1-512-583-3520 +1-866-333-2861 (toll-free USA)
Oil, Gas, & Geothermal Sales	262 N. Sam Houston, Suite 410 Houston, TX 77060 USA	+1-281-445-9119
Power, Pipeline, & Process Sales	4401 Freidrich Lane, Bldg. 307 Austin, TX 78744 USA	+1-512-583-3547

www.sensortran.com

sales @ sensortran.com