

SENSING CABLES

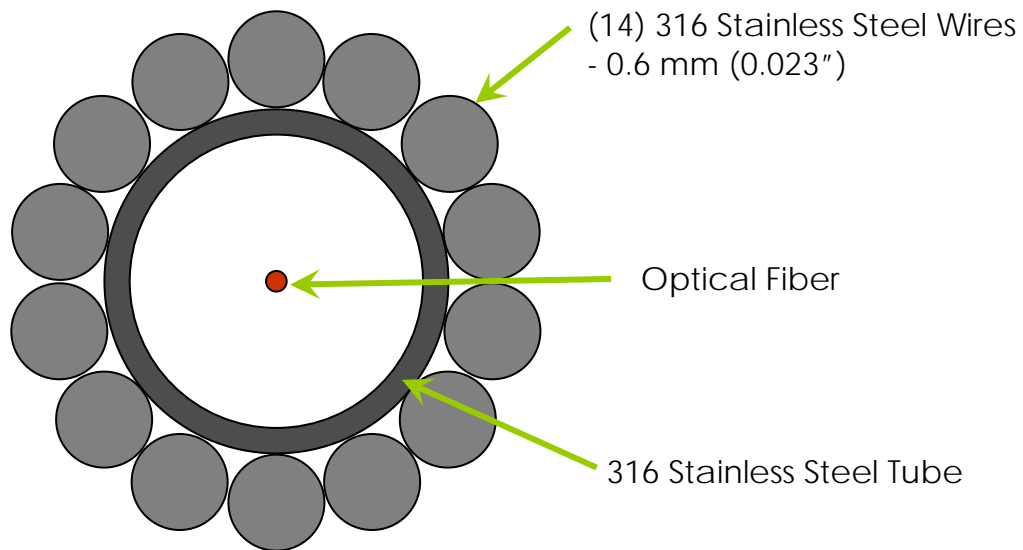
For Pipelines



Companion Cables for
SensorTran DTS Systems



SensorTran Pipeline cables are constructed as shown:



ASTRA



CENTUARUS



GEMINI



NEPTUNE



CABLES



Pipeline Optical Sensing Cables

Optical Fiber	50 μm graded index multimode	Tensile Strength	525 kg (1158 lbs.)
Fiber Coating	Polyimide	Yield Strength	450.4 kg (992.6 lbs)
Secondary Fiber Coating	None	Strain @ Yield	.429%
Fiber Quantity	1	Thermal Expansion	1.73E-05 m/m $^{\circ}\text{C}$ (9.00E-06 in/in $^{\circ}\text{F}$)
Gel Compound	None	Hydrostatic Pressure	17 kg/mm ² (23,950 psi)
Inner Protective Sheath	2.0/2.4 mm 316 stainless tube	Burst Pressure	20 kg/mm ² (27,941 psi)
Primary Protective Sheath	316 stainless steel wires	Working Pressure	15 kg/mm ² (21,555 psi)
Outer Protective Sheath	None	Dynamic Bend Radius	320 mm (12.6")
Outer Diameter	3.6 mm (0.142")	Static Bend Radius	80 mm (3.2")
Operating Temperature	0 $^{\circ}\text{C}$ to +300 $^{\circ}\text{C}$ (32 $^{\circ}\text{F}$ to +572 $^{\circ}\text{F}$)	Cable Weight	43.2 kg/km (29 lbs/1000 ft.)



SENSORTRAN

Optical Conclusions

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