

TubeTrace® Type SI/MI

“Light” Steam Traced Instrument Tubing

Product Specifications

Application . . .

Freeze Protection or Process Temperature Maintenance Tube Temperature Range: 5°C to 121°C.

TubeTrace Type SI and MI is designed to provide freeze protection or temperature maintenance for metallic and non-metallic tubing with “light” steam trace. TubeTrace Type SI and MI are suitable for use with process analyzers, emissions analyzers, and impulse lines to flow or pressure transmitters where steam or hot liquid is the preferred heating media.

TubeTrace Type SI and MI “light” steam trace is a metallic tracer tube that is isolated from direct contact with the process tube(s). The tracer tube and process tube(s) benefit from consistent heat transfer and performance along the entire length of the bundle.

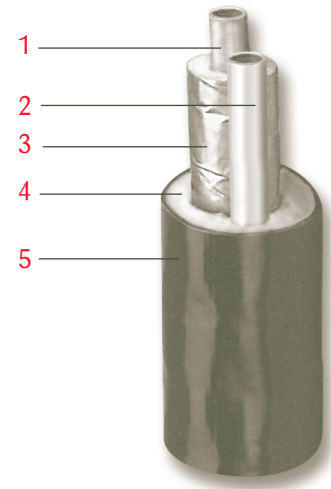
Unlike field fabricated and insulated tubing, TubeTrace engineered pre-insulated tubing provides superior weather proofing and long term reliability.

Ratings/Specifications . . .

SI and MI “Light” Trace	Ratings
Available Tracer Tube Diameters	1/4", 3/8", 1/2", 6, 10, 12 mm
Available Tracer Tube Materials	Copper and Stainless Steel
Typical Process Tube Temperature	5°C to 121°C
Maximum Steam Temperature*	205°C/1690 kPa
Typical Temperature Difference Tracer Tube vs. Process Tube	66°C ⁵

Note . . .

* If bundle jacket is to remain below 60°C in 27°C ambient (in consideration of personnel burn risk) tube temperature must remain below 205°C. Alternative designs to keep jacket below 60°C in higher ambients and/or with higher tube temperatures are available. Contact Thermon.



Construction . . .

- 1 Process Tube(s)
- 2 Tracer Tube [isolated from process tube(s)]
- 3 Heat Reflective Tape
- 4 Non-hygroscopic Glass Fiber Insulation
- 5 Polymer Outer Jacket

Product Features . . .

- Consistent Heat Transfer and Thermal Performance
- Superior Weather Proofing
- Long Coils Minimize Waste

How to Specify . . .

SI-4F13B1-ATP-035/035

<p>TubeTrace Type</p> <p>SI = Single Tube MI = Multiple Tubes</p>	<p>Process Tube(s) O.D.</p> <p>1 = 1/8" 2 = 1/4" 3 = 3/8" 4 = 1/2" 5 = 5/8" 6 = 3/4"</p>	<p>Process Tube(s) Material</p> <p>A = 316 SS Welded C = PFA Teflon¹ D = Monel² E = Titanium F = 316 SS Seamless G = 304 SS Welded H = 304 SS Seamless J = Alloy C276 K = Alloy 825 L = Alloy 20 M = FEP Teflon T = TFE Teflon X = Special</p>	<p>Number of Process Tube(s)</p> <p>1 2 3</p>	<p>Tracer Tube O.D.</p> <p>2 = 1/4" 3 = 3/8" 4 = 1/2"</p>	<p>Tracer Tube Material</p> <p>A = 316 SS Welded B = 122 Copper F = 316 SS Seamless</p>	<p>Bundle Jacket</p> <p>ATP³ TPU</p>	<p>Process Tube(s) Wall Thickness</p> <p>028 = .028" (SS Only) 035 = .035" 040 = .040" (Plastic Only) 047 = .047" (Plastic Only) 049 = .049" 062 = .062" (Plastic Only) 065 = .065" 083 = .083" (SS Only)</p>	<p>Number of Tracer Tube(s)</p> <p>1</p>	<p>Tracer Tube(s) Wall Thickness</p> <p>035 = .035" 049 = .049" 065 = .065"</p>
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Notes . . .

1. Teflon is a trademark of E. I. duPont de Nemours Co., Inc.
2. Monel is a trademark of Inco Alloys International, Inc.
3. Black ATP is standard; other jacket materials are available.
4. Please contact factory for performance data when using for critical temperature applications.



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