



# TubeTrace® Superior Construction

As the saying goes “Don’t judge a book by its cover”. This holds true for pre-insulated and traced tubing bundles as well. Not all tubing bundles are the same – from the components to the manufacturing process. A properly engineered and manufactured pre-insulated and traced tubing bundle consists of quality approved components, providing a reliable and cost effective solution.

Thermon’s flexible manufacturing process allows the combination of heat tracers (electrical and/or fluid) with all tubing types available in the market today. Consistency and quality are a prerequisite in all Thermon manufacturing processes. Understanding the components used and how Thermon TubeTrace tubing bundles are manufactured, provides a self-assuring, cost effective product solution.

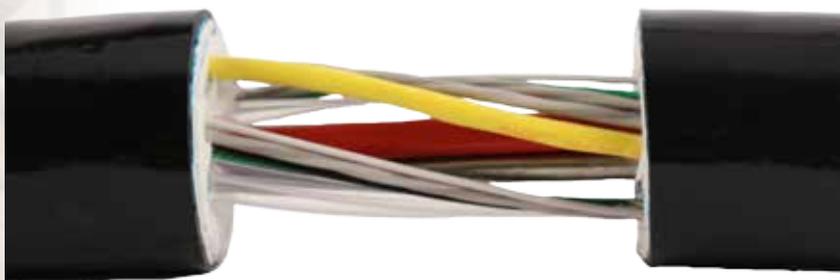


## Construction - “Cabling” of Tubing & Tracer

- ✓ Allows ease of bending in any plane or direction
- ✓ Provides stress relief for components within tubing bundle
- ✓ Increases reliability and longevity of the product
- ✓ Components remain uniform when bending expansion loops

Thermon’s “cabling” process is used on many product combinations, including non-metallic tubing. Cabling ensures an even contact for proper heat transfer and provides a stress relief for all components within the bundle. Once the tubing and tracer are cabled together, the thermal insulation is helically wrapped. This method prevents the bundled tubing and tracer from relying solely on the insulation and outer jacket to bond the components together. The internal components and thermal insulation are then protected with a continuous extruded polymer jacket, including UV protection.

Thermon’s cabling process provides a pre-engineered, predictable, repeatable and performance pleasing product solution. Whatever the application – freeze protection, high temperature (maintenance and/or exposure) or sensitive analyzer lines – Globally, Thermon manufactures and provides a complete line of superior heat tracing product solutions.



ASME B31.3  
stainless steel  
tubing expands  
3.8” (95mm) per  
100’ (30M) at 400F  
(204C)



**THERMON . . . The Heat Tracing Specialists®**

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PRODUCT / APPLICATION INFORMATION