Standard TubeTrace Bundles are designed so the outer jacket will not exceed 140°F (60°C) when the process tube is 400°F (204°C) and the ambient is 80°F (27°C), no wind.

“Cut-to-Length” Coils . . .

Long coils of TubeTrace are available in a variety of configurations and tube sizes. With Thermon “cut-to-length” heat tracing, TubeTrace can be reeled off and cut to fit each specific application. Tube unions and heat trace splices can be completely eliminated. TubeTrace coils up to 500 feet (152 m) long minimize waste and ensure the lowest possible installed cost.

Straight Lengths . . .

For single short length applications, with large tube sizes or where specifications demand small amounts of high alloy tubing, straight lengths (stick tubing) are available. Even in straight lengths, TubeTrace bundles provide reliability and consistency compared to field traced and insulated systems.

Notes . . .

1. Other options such as constant watt or mineral insulated heat tracing are available, contact factory.
2. High temperature bundles for exposure to 1100°F (593°C) are available.
3. Imperial and metric size tubing are available.
4. Metallic tube sizes larger than 3/4” OD or 20 mm OD are available in straight lengths.
**TubeTrace® Tubing Bundles**

Freeze Protection and Temperature Maintenance for the Process Industries

For design assistance contact Thermon or visit [www.thermon.com](http://www.thermon.com) and download CompuTrace® IT Computer Design Software for Instrument Tubing.

### Typical Electrically Heat Traced Bundles

**Bundle Type**
- **SE** = Single Tube
- **ME** = Multiple Tubes

**Process Tube(s)**
- **O.D.**
  - 1 = 1/8"
  - 2 = 1/4"
  - 3 = 3/8"
  - 4 = 1/2"
  - 5 = 5/8"
  - 6 = 3/4"
  - 8 = 1"

**Process Tube Material**
- A = 316 SS Welded
- B = #122 Copper
- C = PFA Teflon
- D = Monel
- 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
- N = Nylon
- T = TFE Teflon
- X = Special

**Number of Tubes**

**Heat Trace Option**
- 3 = OJ (BSX Only)
- 7 = NEC Ordinary/D2 Areas and CEC D1 & D2 Areas
- 8 = NEC Division 1 Areas

**Jacket Type**
- ATP
- TPU

**Heat Tracing Type** (See Below). Contact Thermon for TubeTrace SE/ME instrument tubing bundles with alternative heat trace options such as parallel constant watt and series constant watt including mineral insulated heat tracing.

- **Self-Regulating Heat Trace**
  - 30 = VSX 5 w/ft. 120 Vac
  - 31 = VSX 5 w/ft. 240 Vac
  - 32 = VSX 10 w/ft. 120 Vac
  - 33 = VSX 10 w/ft. 240 Vac
  - 34 = VSX 15 w/ft. 120 Vac
  - 35 = VSX 15 w/ft. 240 Vac
  - 36 = VSX 20 w/ft. 120 Vac
  - 37 = VSX 20 w/ft. 240 Vac
  - 38 = VSX 25 w/ft. 120 Vac
  - 39 = VSX 25 w/ft. 240 Vac
  - 40 = BSX 3 w/ft. 120 Vac
  - 41 = BSX 3 w/ft. 240 Vac
  - 42 = BSX 5 w/ft. 120 Vac
  - 43 = BSX 5 w/ft. 240 Vac
  - 44 = BSX 8 w/ft. 120 Vac
  - 45 = BSX 8 w/ft. 240 Vac
  - 46 = BSX 10 w/ft. 120 Vac
  - 47 = BSX 10 w/ft. 240 Vac
  - 48 = BSX 15 w/ft. 120 Vac
  - 49 = BSX 15 w/ft. 240 Vac
  - 50 = HPT 5 w/ft. 120 Vac
  - 51 = HPT 5 w/ft. 240 Vac
  - 52 = HPT 10 w/ft. 120 Vac
  - 53 = HPT 10 w/ft. 240 Vac
  - 54 = HPT 15 w/ft. 120 Vac
  - 55 = HPT 15 w/ft. 240 Vac
  - 56 = HPT 20 w/ft. 120 Vac
  - 57 = HPT 20 w/ft. 240 Vac
  - 58 = HPT 25 w/ft. 120 Vac
  - 59 = HPT 25 w/ft. 240 Vac

**Self-Regulating Heat Trace (continued)**
- 60 = HTSX 3 w/ft. 120 Vac
- 61 = HTSX 3 w/ft. 240 Vac
- 62 = HTSX 6 w/ft. 120 Vac
- 63 = HTSX 6 w/ft. 240 Vac
- 64 = HTSX 9 w/ft. 120 Vac
- 65 = HTSX 9 w/ft. 240 Vac
- 66 = HTSX 12 w/ft. 120 Vac
- 67 = HTSX 12 w/ft. 240 Vac
- 68 = HTSX 15 w/ft. 120 Vac
- 69 = HTSX 15 w/ft. 240 Vac
- 70 = HTSX 20 w/ft. 120 Vac
- 71 = HTSX 20 w/ft. 240 Vac

**Power-Limiting Heat Trace**
- 028 = .028"
- 030 = .030"
- 032 = .032" (Copper Only)
- 035 = .035"
- 040 = .040" (Plastic Only)
- 047 = .047" (Plastic Only)
- 049 = .049"
- 062 = .062" (Plastic Only)
- 065 = .065"
- 083 = .083" (SS Only)

**Notes...**
1. Contact factory for availability of 1” O.D. coils. (Not available in all materials.)
2. Teflon is a trademark of E.I. du Pont de Nemours & Co., Inc.
3. Monel is a trademark of Inco Alloys International, Inc.
4. Contact factory for design review.
5. Black ATP is standard; other jacket materials include TPU (Urethane).
6. Maximum number of tubes dependent on tube size.
7. Complete line of accessories for TubeTrace and ThermoTube are available.