



# PRODUCT DATASHEET

# THERMOTRACE™

## ELECTRICALLY HEATED TUBING

### APPLICATION

ThermoTrace™ is pre-engineered heat traced tubing products designed by Thermon, the world leader in thermal process control technology.

ThermoTrace™ products come ready to install and are designed to meet your process temperature needs. They can be supplied in pre-cut lengths or long, continuous lengths for field cutting and installation.

### HOW TO SPECIFY

#### TT65-4F1-42-3-PVC-35

##### Bundle Type

TT65 = 65°C MTR<sup>1</sup>  
 TT150 = 150°C MTR  
 TT177 = 177°C MTR

##### Process Tube O.D. (Imperial Units)

2 = 1/4"  
 3 = 3/8"  
 4 = 1/2"  
 (Metric)  
 6 = 6 mm  
 8 = 8 mm  
 12 = 12 mm

##### Process Tube Material

A = 316 SS Welded  
 F = 316 SS Seamless  
 T = PTFE Fluoropolymer

##### Number of Tubes

##### Process Tube Wall Thickness (Imperial Units)

35 = .035"  
 49 = .049"  
 65 = .065"  
 PTFE = .040 for 0.040" only  
 (Metric)  
 10 = 1.0 mm  
 15 = 1.5 mm

##### Bundle Jacket Material

PVC

##### Heat Trace Option

3 = (BSX with Polyolefin Jacket)  
 7 = (Fluoropolymer Jacket)

##### Heat Trace Type<sup>2</sup> (TT65)

###### BSX Self-Regulating

41 = BSX 3 (9 W/m 230 V)  
 43 = BSX 5 (15 W/m 230 V)  
 45 = BSX 8 (25 W/m 230 V)  
 47 = BSX 10 (32 W/m 230 V)

###### (TT177)

###### HPT Self-Regulating

51 = HPT 5 (15 W/m 230 V)  
 53 = HPT 10 (30 W/m 230 V)  
 55 = HPT 15 (45 W/m 230 V)  
 57 = HPT 20 (60 W/m 230 V)

###### (TT150)

###### HTSX Self-Regulating

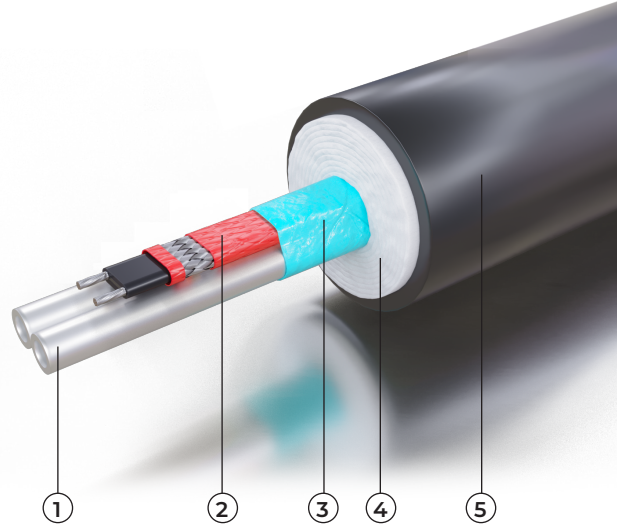
61 = HTSX 3 (10 W/m 230 V)  
 63 = HTSX 6 (20 W/m 230 V)  
 65 = HTSX 9 (30 W/m 230 V)  
 67 = HTSX 12 (39 W/m 230 V)  
 69 = HTSX 15 (49 W/m 230 V)  
 71 = HTSX 20 (66 W/m 230 V)

### Notes

- MTR = Maximum Temperature. Rating Power-on
- Other heating cables available:
  - USX: MTR Power-on = 240°C
  - KSX: MTR Power-on = 121°C

Built-in Temperature Sensors (RTD's, Thermocouples) available.

Approval Certification include: CE Ex, UL, FM, IECEx and PESO Certifications available.



### CONSTRUCTION

- Process tube(s)
- Electrical heat tracing
- Heat reflective tape
- Non-hygroscopic glass fiber insulation
- Polymer outer jacket

### PRODUCT FEATURES

#### Tube Material

- Continuous, Long Lengths of 150 m
- Easy to Cut with Handheld Tube Cutter

#### Welded Stainless Steel Tube

- 316/316L Dual Rated, ASTM A269, ASTM/ASME
- A/SA249 EAW, Laser Welded, Bright Annealed, from only ISO 9001 Certified & PED Certified Mills

#### Other Alloys Available

- Copper, Alloy 825

#### Thermal Insulation

- Non-Hygroscopic, Inorganic Fiberglass Insulation, Non-Wicking Material with Low-Chloride Content of < 30 ppm

#### Seamless Stainless Steel Tube

- 316/316L Dual Rated, ASTM A269, A213 NACE075, EN 10216-5 from ISO 9001 Certified Mills.

#### Jacket Material Protective Cover

- 105°C Rated Flame Retardant Black PVC, Black UV Resistant.

#### Long Length

- 300 m Continuous, Easy to Field Route and Hang, Cut-to-Length and Terminate with Field Applied Instrumentation Compression Fittings

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