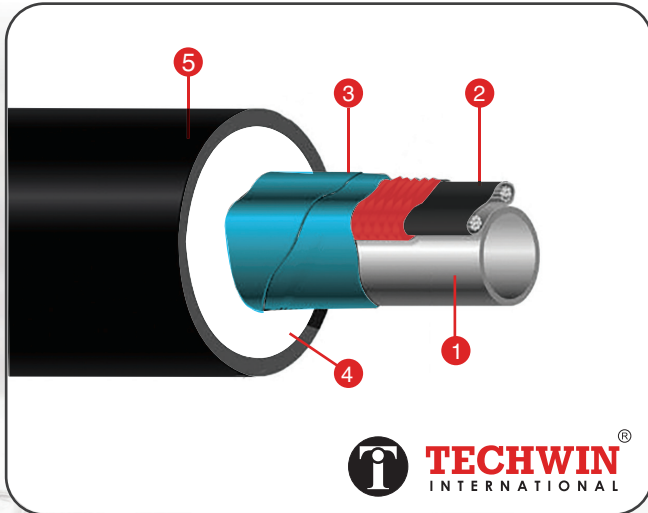




PRE INSULATED ELECTRICAL HEAT TRACED TUBING



- 1 Tube Material: SS 316 Welded/Seamless, Copper, PTFE, FEP, PFA, any specialized material
- 2 Heating Cable: Self-regulating, Constant Wattage, Customized
- 3 Aluminized Heat Reflective Foil Wrap
- 4 Thermal Insulation: Fibre Glass/ Aerogel/ Silicon
- 5 Outer Jacket: FR PVC/TPE/TPU/ PA

ABOUT

Traceline electrical heat traced tubing is a system used to maintain the temperature of the sample or fluid flowing inside the tubing. In this system electric heating is achieved by utilizing a resistance based heating cables, which runs parallel to the tubing, that generates heat and compensate the heat loss, thus prevent temperature drop and maintains process temperature inside the tubing.

Depending on the application, various types of electrical heat traced tubing bundles are available i.e with parallel constant wattage heating cables, with self-regulating heating cables, with power limiting heating cables, with series heating cables.

TYPES OF TRACELINE ELECTRICAL HEAT TRACED TUBING

Electrical Traced Tubing With Constant Wattage Heating Cable

Electrical Heat Traced Tubing With Self-Regulating Heating Cable

ADVANTAGES

- **Long Life** of plant usage
- **Quality** of Factory Assembled & Tested Tubing, Heating Cable, Thermal Insulation and Outer Jacket
- **Efficiently Engineered** Thermal & Safety Design
- **Savings** in Installation Time, Space and Cost
- **Maintenance Free** and well protected against Moisture & Water ingress, Mechanical damage, Abrasion and Corrosion
- **Safety** Approvals for use in Hazardous area

APPLICATION

- **Analyzer Sampling Lines**

Process Analyzers – Continuous Emissions Monitoring System - Gas Chromatograph

- **Instrumentation Sample Lines**

Flow Transmitters – Pressure Transmitters – Level Transmitters

- **Small bore Lead Branch Lines**

Oil Burner supply & return lines – Tablet Coating machine feed lines – Lead lines to condensate and steam manifolds – Condensate Drain lines - Domestic Hot Water branch lines – LPG supply manifolds and lines.

TRACELINE ELECTRICAL HEAT TRACED TUBING WITH PARALLEL 'CONSTANT WATTGE' HEATING CABLE

Traceline with polymeric parallel constant wattage heating cables are suited for maintaining temperatures up to 200°C and maximum exposure temperatures up to 260°C. Key benefits are:

- They are cut-to-zone length.
- Constant power output
- No need to oversize CB as no high inrush current at startup.

TRACELINE ELECTRICAL HEAT TRACED TUBING WITH 'SELF-REGULATING' HEATING CABLE

Traceline with self-regulating heating cables are used for maintaining temperature and with self-limiting feature, temperature to Low (40°C), Medium (110°C) and High (120°C to 150°C). Key benefits are:

- They are cut-to-any length.
- Variable output along entire length with change in tube temperature and surrounding ambient temperatures.
- Self-limiting feature limits temperatures of process fluid and heating cable sheath temperature, to prevent its overheating and burnout.

More alternative and specific material choices of Heating Cable, Tubing, Insulation, Outer Jacket are available upon request.



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Technical Specification //

EHTL | 01 | PTFE | 01 | A | CWC | 01 | FG | PVC
1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9

-
- 1 Type of bundle :
 - EHTL -Electrical Heat Traced Line
 - SHTL- Steam Heat Trace Line
 - PIT - Pre Insulated Tubing
 - CT - Coated Tubes
-
- 2 No of process tubes :
 - 01-Single
 - 02-Two, more option available
-
- 3 Tube material :
 - PTFE- Poly Tetra Fluoro Ethylene
 - SSS-Stainless Steel Seamless
 - SSW -Stainless Steel Welded, more option available
-
- 4 Tube Size (OD) :
 - 01 - 1/8" • 02 - 1/4" • 03 - 3/8" • 04 - 1/2" • 05 - 3/4"
 - 06 - 6MM • 07 - 8MM • 08 - 10MM • 09 - 12MM
-
- 5 Tube Wall thickness:
 - A -0.035" • B -0.040" • C -0.049" • D - 0.062"
 - E - 0.065" • F - 1MM • G - 1.25MM • H - 1.5MM
-
- 6 Heating cable :
 - CWC-Constant Wattage Cable
 - SRLT - Self- Regulating Low Temperature
 - SRMT -Self- Regulating Medium Temperature
 - SRHT - Self Regulating High Temperature
 - PLC - Power Limiting Cable
-
- 7 Power output:
 - 01-16 W/m, or • 02 -25 W/m, or • 03 -33 W/m, or
 - 04-45 W/m, or • 05 - 60W/m, or • 06 - 66 W/m
-
- 8 Insulation Material :
 - FG- Fiber Glass
 - TF-Thermal Fleece, or
 - SF- Silicon Foam
-
- 9 Outer Jacket :
 - PVC-Extruded PVC, or • TPU-Extruded TPU , or
 - PA - PA corrugated , or • TPE- Extruded TPE