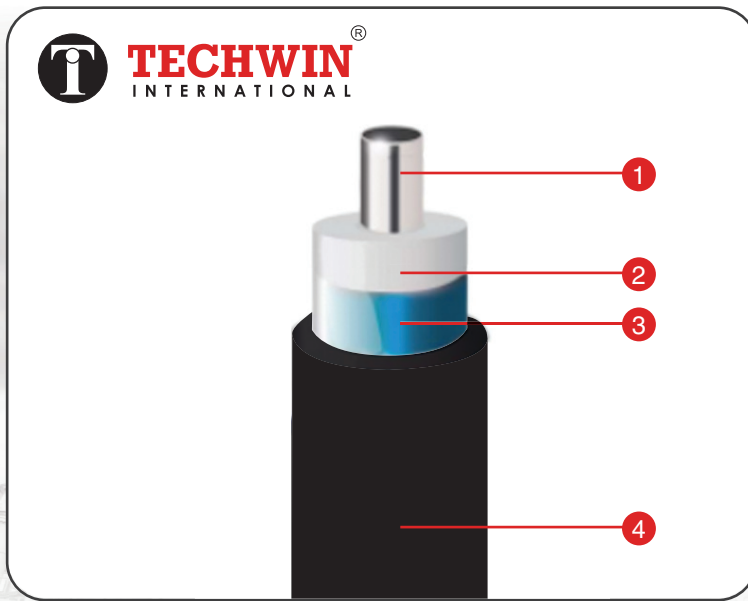




**TECHWIN**<sup>®</sup>  
INTERNATIONAL

TRACELINE

## PRE INSULATED TUBING



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

## ABOUT

Traceline pre-insulated tubing are designed specifically for smaller bore (6mm to 25 mm) tube for high, medium, low and refrigerant temperatures, for services like steam, condensate, process fluids, hot water, chilled water and gas service branch and sampling lines. However, the temperature drop is minimized to maintain lower rate of heat losses with pre machine wrapped multi-layered thermal insulation, that is completely sealed and protected by outer extruded jacket material in accordance with user requirement specifications.

This offers an inexpensive, easy & quick, space saving installation alternative along with high quality factory mechanized finish compared to manual field installed insulation and weather-proofing of small diameter lines. Due to Pre-Insulated tubing, the installation spacing between the tubes is reduced compared to field manual installation that requires spacing between the tubes for application of thermal insulation and weather protective covering. This saves on space and structural support when laid over the overhead pipe racks.

Traceline Pre-Insulated tubing are available in long length in coil form and are also available in straight length and in tailor made small quantities as per project requirement. Suitable joint and sealing accessories are available.

## ADVANTAGES

- **Long Life** of over 20-years
- **High quality** workmanship at mechanized factory installation
- **Quick** and as **easy** to install as multiple energy cables reduces space and installation cost
- **Available in long length** on cable drums which reduces material cost due to fewer fittings and less material wastage
- **Cut-to-length** in the field
- **Less installation space** and feedthrough requirements
- **Maintenance-free** and well protected against mechanical damage, abrasion, weathering and corrosive environment
- **Ensure operational safety** to ASTM C1055 standard protection for heated system surface conditions that produce contact burn injuries

## APPLICATION

- Steam Supply Line
- Condensate Collecting Lead Line
- Instrument Impulse Line
- On-Line Analyzer Sampling Line

## ENGINEERED DESIGN

TraceLine Pre-Insulated Tubing (PIT) Bundle are engineered to achieve minimized heat loss, operational safety, minimum pit bundle diameter by balancing the insulation thermal conductivity, thickness along with cost optimization. Dual thicknesses is selected with first layer of adequate thickness that withstands high temperature but having high thermal conductivity; and second layer with low thermal conductivity and lesser thickness.

**More alternatives and specific choice of tubing, insulation, outer jackets based on temperatures 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