

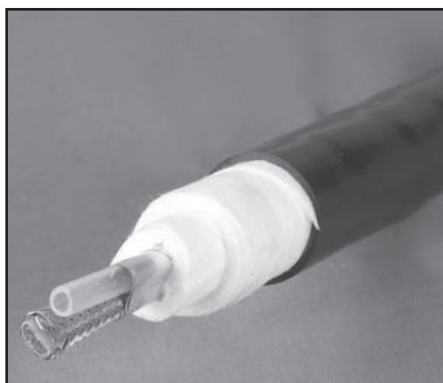
Heating Cable

2252 CPD

2262 CPD

Constant Wattage Electric Traced Tubing

- Single or Multiple Process tube(s)
- Constant Wattage Heating Element with Tinned-Copper Braid
- Heat Reflective Foil Wrap
- Moisture-Resistant, Non-Wicking, Inorganic Fibrous Glass Thermal Insulation
- Choice of Weather Protective Jacket



2252 CPD



2262 CPD

Description

Constant Wattage Electric Traced Tubing – Chromalox Series 2252/2262 Constant Wattage (CWM) Electric Traced Tubing is a thermally insulated fluid transport line for use in applications requiring freeze protection, temperature maintenance, or viscosity maintenance of liquids or gasses. Each line is comprised of the following elements:

- Single or Multiple process tube(s)
- Constant Wattage Heating Element with Tinned-Copper Braid
- Heat reflective foil wrap
- Moisture-resistant, non-wicking, inorganic fibrous glass thermal insulation
- Choice of weather protective jacket

The Constant Wattage Heating Element allows for a wide range of temperature maintenance applications. The standard product is available with an 12 watt per foot, 120 VAC heater and will maintain a single process tube above 200°F (93°C) at a -40°F (-40°C) ambient.

Bundles in this Series are FM Approved for use in Class I Division 2, Group B, C, and D; Class II Division 2, Group F, and G; and Class III, Division 2 Hazardous areas. Optional power and control wires can be supplied in FM Approved bundles. The Constant Wattage Heating Element is approved by CSA for

pipe and vessel tracing applications under designations 3A, 3B, 3C, 5A and 5B in Class 1, Division 2, Groups A, B, C and D hazardous locations.

Applications

- Stack gas sampling lines
- Analyzer and instrument lines
- Small diameter process lines
- Impulse lines

Additional Features

- Pre-insulated and pre-fabricated for installation costs up to 40% lower than field fabrication.
- Pre-engineered for reduced design cost and predictable operational characteristics
- Bundles can contain integral power and signal wires that are pre-approved for use in hazardous locations.
- Bundles are lightweight and easy to bend
- Smaller OD than field fabricated lines means better use of mounting space.
- Maintenance-free – no open seams, no gaps in insulation.
- Consistent and predictable thermal characteristics

Standard Products

Tube OD	Tube Material	Heater
1/4x0.035	WLD 316/316L SS	12/120 CPD
1/4x0.040	PFA Fluoropolymer	12/120 CPD
1/4x0.035	SMLS 316/316L SS	12/120 CPD
3/8x0.035	WLD 316/316L SS	12/120 CPD
3/8x0.062	PFA Fluoropolymer	12/120 CPD
3/8x0.035	SMLS 316/316L SS	12/120 CPD

Heating Cable

2252 CPD 2262 CPD Constant Wattage Electric Traced Tubing (cont'd.)

Technical Specifications

Electrical Specifications

Heater Type	Constant Wattage
Heater Insulation	PFA 600 V Rated
Max. Heater Exposure Temp.	446°F (230°C)
Circuit Length	200 ft (61m) or greater
Bus Wire Size	12 AWG
Power Output	12 wt/ft @ 50°F 120 VAC 12 wt/ft @ 50°F 208 VAC 12 wt/ft @ 50°F 240 VAC 12 wt/ft @ 50°F 277 VAC

Max. Jacket Surface Temp. at 400°F (204°C)	
Tube Temp. & 80°F (27°C) ambient	140°F (60°C)

Temperature Rating per N.E.C. 500	T2C
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Electric Traced Tubing Accessories

Electrical Specifications	Product No.
Seal-Tite End Boots	
Single Tube	562353020
Dual Tube	562640038
Uniseal Cable Entry Seals for Bundles to 1.375" OD	562353013
for Bundles to 2.62" OD	562353023
Unicut™ Bundle Jacket Cutter	562640029
RTV Silicone End Sealant	
3 oz. tube	562640034
10.3 oz. Cartridge	562640035
Seal Patch Kits	
8" x 8" Patch	562640030
8" x 8' Roll	562640031
Electrical Connection Kit with connection box	562640040
Line Sensing Thermostat	
Ordinary Locations	305322
Hazardous Locations	384112
Ambient Sensing Thermostat	
Ordinary Locations	305365
Hazardous Locations	384104

Product Specifications 2252/2262 CPD

Tube O.D.	Standard Wall Thickness***	Material (1)	ASTM	Working Pressure @400°F	Nominal Bundle O.D.	Nom. Wt Lbs/ft.	Max. Bend Radius
1/4"	.035"	316/316L-S/S WLD	A-269	4225 psi**	1.33"	0.56	8"
3/8"	.035"	316/316L-S/S WLD	A-269	2700 psi**	1.40"	0.60	9"
1/2"	.035"	316/316L-S/S WLD	A-269	1980 psi**	1.50"	0.65	10"
1/4"	.040"	PFA	D-6867	30 psi**	1.33"	0.50	8"
3/8"	.062"	PFA	D-6867	40 psi**	1.40"	0.53	9"
1/2"	.062"	PFA	D-6867	30 psi**	1.50"	0.60	10"

Notes:

Minimum recommended installation temperature for PVC -25°F (-32°C)

** Values given are for welded, seamless slightly higher

***Heavier wall thickness available upon request

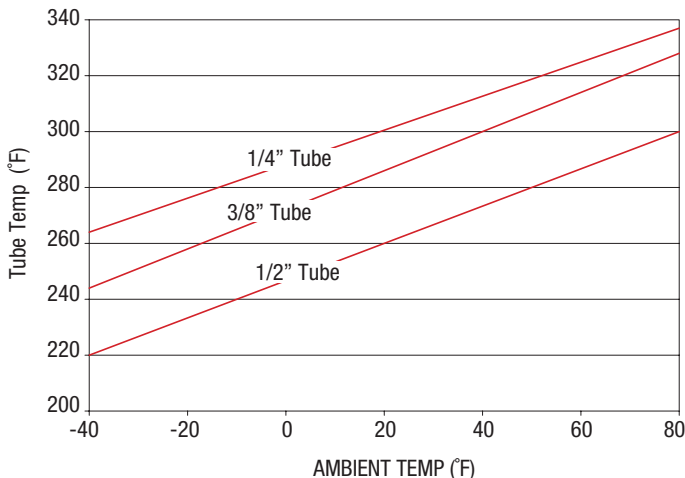
(1) Other tube materials available

Standard Jacket is Black, 105C lead free, LT-FRPVC

Alternate Jacket Materials – 125°C FR-TPE, FRPE, FR-Urethane

Product Rating: 400°F (204°C)

2252 CPD Heater



2262 CPD Heater

