

Heating Cable

2200 Series Pre-Insulated Tubing

- Compact Design
- Low Heat Loss
- Light, Durable, Easy to Handle
- Zero Maintenance
- Employee Protection
- Continuous Lengths up to 1000 Feet (305 m)
- Easy to Install
- Cost Savings of up to 50% Over Field Fabrication
- Low Chloride Content



Description

The Chromalox Series 2200 pre-insulated tubing is a thermally insulated transportation line suitable for steam, gas or liquid transport. Each line is comprised of the following elements:

- Process tube
- Moisture-resistant, non-wicking, inorganic fibrous glass thermal insulation
- Weather protective, lead-free, low-temperature PVC jacket

The energy-efficient design provides for nominal jacket surface temperatures of 140°F (60°C) or lower at 80°F (26°C) ambient conditions, while transporting 400°F (204°C) saturated steam. Higher temperature designs for applications of up to 1000°F (537.8°C) are available in product Series 2210.

Applications

- Steam Supply Lines
- Condensate Return Lines
- Gas Transport Lines
- Liquid Transport Lines

Options

- Choice of Outer Jacket:
LT-FRPVC
FR-TPE
FR-Urethane
- Fibrous Glass Thermal Insulation
- Process Tube
Standard Tube Materials Include:
Welded or Seamless 316 SS
DHP Copper #122
PFA Fluoropolymer

Accessories

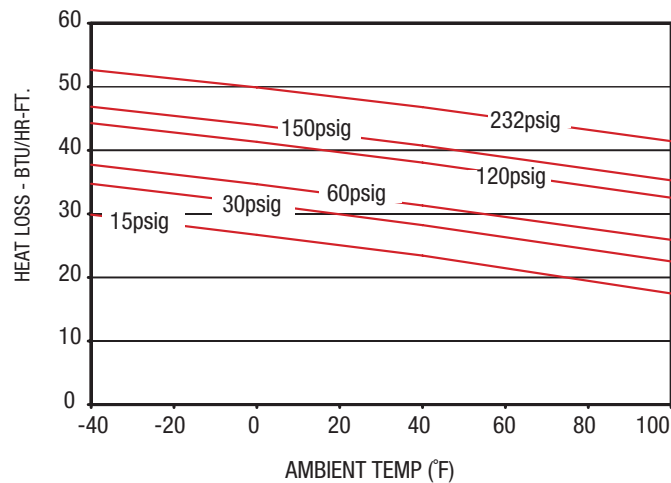
Pre Insulated Tubing Accessories
Seal-Tite End Boots
Uniseal Cable Entry Seals
4.5" Length
7.0" Length
Unicut™
End Sealant
3 oz. tube
End Sealant 10.3 oz. Cartridge
Seal Patch Kits
8" x 8" Self-Sealing Patch
8" x 8" Self-Sealing Roll

TUBE BUNDLE

Heating Cable

2200 Series Pre-Insulated Tubing (cont'd.)

Heat Loss vs. Ambient for Various Steam Pressures



Heat Loss Multipliers

2200	2200	2200	2200
1/4"	3/8"	1/2"	3/4"
1.0	1.3	1.5	1.9

Product Specifications

Tube O.D.	Standard Wall Thickness***	Material (1)	ASTM	Working Pressure @400°F	Nom. Heat Loss @ 400°F	Nom. Bundle O.D.	Nom. Wt. Lbs/ft.	Min. Bend Radius
3/8"	.032"	#122 Copper	B-68 B-75	450 psi	50 BTU/hr/ft	1.05"	0.4	10"
1/2"	.035"	#122 Copper	B-68 B-75	360 psi	59 BTU/hr/ft	1.17"	0.4	12"
1/2"	.049"	#122 Copper	B-68 B-75	530 psi	59 BTU/hr/ft	1.17"	0.5	12"
3/4"	.049"	#122 Copper	B-68 B-75	340 psi	79 BTU/hr/ft	1.35"	0.7	14"
1/4"	.035"	316-S/S WLD	A-269	5170 psi**	42 BTU/hr/ft	0.92"	0.3	9"
3/8"	.035"	316-S/S WLD	A-269	3310 psi**	50 BTU/hr/ft	1.05"	0.4	10"
1/2"	.035"	316-S/S WLD	A-269	2430 psi**	59 BTU/hr/ft	1.17"	0.4	12"
1/2"	.049"	316-S/S WLD	A-269	2800 psi**	59 BTU/hr/ft	1.17"	0.5	12"
1/4"	.040"	PFA	D-6867	30 psi**	42 BTU/hr/ft	0.92"	0.2	9"
3/8"	.062"	PFA	D-6867	40 psi**	50 BTU/hr/ft	1.05"	0.3	10"
1/2"	.062"	PFA	D-6867	30 psi**	59 BTU/hr/ft	1.17"	0.3	12"

NOTES:

Nominal jacket surface temperature 104°F (60°C) @ 80°F (26°C) ambient and 400°F tube operating temperature

Metric available 6.8 and 10 mm O.D. x 1 mm WT Standard

** Values given are for welded; seamless slightly higher

***Heavier wall thickness available upon request

(1) Other tube materials available

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

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