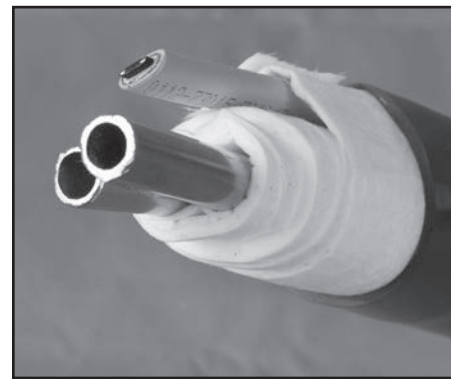


Heating Cable

2256 LTM 2266 LTM Low Temperature Maintenance Self-Regulating Electric Traced Tubing



2256 LTM



2266 LTM

- Process Tube(s)
- Low Temperature, Self-Regulating Heating Element with Tinned Copper Braid
- Heat-Reflecting Foil Wrap
- Moisture-Resistant, Non-Wicking, Inorganic Fibrous Glass Thermal Insulation
- Choice of Weather Protective Jacket

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

Description

The Chromalox Series 2256/2266 Low Temperature Maintenance (LTM) Self-Regulating Electric Traced Tubing is a thermally insulated fluid transport line for use in applications requiring freeze protection or condensation prevention.

The energy-efficient design provides for temperature maintenance of 40°F (4°C) at -40°F (-40°C) ambient. The standard product is available with a 5 watt per foot, 120 VAC or 240 VAC self-regulating heating element.

Bundles in this Series use FM Approved heaters 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 Self-Regulating 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

- Analyzer and instrument lines
- Small diameter process lines
- Impulse lines
- Freeze protect condensate return lines

Standard Products

Tube OD	Tube Type	Heater
1/4 x 0.035	Wld 316/316L SS	5/120 LTM
3/8 x 0.035	Wld 316/316L SS	5/120 LTM
1/2 x 0.035	Wld 316/316L SS	5/120 LTM
1/4 x 0.035	SMLS 316/316L SS	5/120 LTM
3/8 x 0.035	SMLS 316/316L SS	5/120 LTM
1/2 x 0.035	SMLS 316/316L SS	5/120 LTM
1/2 x 0.035	#122 DHP Copper	5/120 LTM
1/2 x 0.062	PFA Fluoropolymer	5/120 LTM
(2) 1/2 x 0.035	Wld 316/316L SS	5/120 LTM
(2) 1/2 x 0.035	SMLS 316/316L SS	5/120 LTM

*Custom configurations available. Consult factory.

Breaker Sizing v. Maximum Circuit Length – feet (meters)

If started	15A		20A		30A	
	120V	240V	120V	240V	120V	240V
@ 50°F	185 (56)	375 (114)	250 (76)	505 (153)	270 (82)	540 (164)
@ 0° F	135 (41)	270 (82)	180 (54)	360 (109)	270 (82)	540 (164)
@ -20°F	120 (36)	245 (74)	160 (48)	325 (99)	245 (74)	490 (149)

Heating Cable

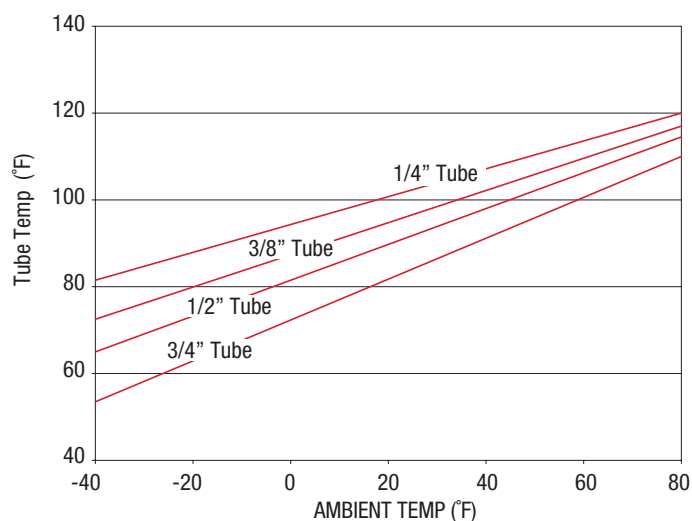
2256 LTM 2266 LTM Low Temperature Maintenance Self-Regulating Electric Traced Tubing (cont'd.)

Technical Specifications

Electrical Specifications

Heater Type	Self-Regulating
Heater Insulation	Polyolefin
Max. Heater Exposure Temp.	185°F (85°C)
Circuit Length	270 feet @ 120 VAC 540 feet @ 240 VAC
Bus Wire Size (AWG)	16
Power Output: 120 VAC or 240 VAC	5 watts/foot @50°F
Alternate Voltage	240 VAC self-regulating heaters may be operated at alternative voltages.
Adjustment factor:	208 VAC 76% 277 VAC 128%
Temperature Rating per N.E.C. 500	T5

2256 Self Regulating Heater - LTM



Product Specifications 2256/2266 LTM/HTM

Tube O.D.	Standard Wall Thickness***	Material (1)	ASTM	Working Pressure @200°F	Nominal Bundle O.D.	Nom. Wt Lbs/ft.	Max. Bend Radius
1/4"	.030"	#122 DHP Copper	B-68 B-75	1270 psi	1.35"	0.4	8"
3/8"	.032"	#122 DHP Copper	B-68 B-75	880 psi	1.40"	0.5	9"
1/2"	.035"	#122 DHP Copper	B-68 B-75	710 psi	1.50"	0.6	10"
3/4"	.049"	#122 DHP Copper	B-68 B-75	660 psi	1.65"	0.9	12"
1/4"	.035"	316/316L-S/S WLD	A-269	4470 psi**	1.35"	0.56	8"
3/8"	.035"	316/316L-S/S WLD	A-269	2860 psi**	1.40"	0.60	9"
1/2"	.035"	316/316L-S/S WLD	A-269	2100 psi**	1.50"	0.65	10"
1/4"	.040"	PFA	D-6867	75 psi**	1.35"	0.50	8"
3/8"	.062"	PFA	D-6867	50 psi**	1.40"	0.53	9"
1/2"	.062"	PFA	D-6867	75 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, 105°C lead free, LT-FRPVC

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

LTM Product Rating: 185°F (85°C)

HTM Product Rating: 250°F (121°C)