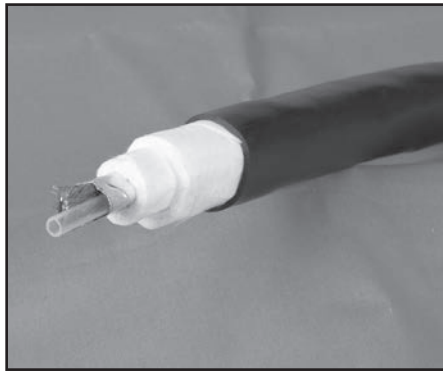


Heating Cable

2256 HTM 2266 HTM High Temperature Maintenance Self-Regulating Electric Traced Tubing



2256 HTM



2266 HTM

- Single or Multiple Process Tube(s)
- High 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

Description

The Chromalox Series 2256/2266 High Temperature Maintenance (HTM) Self-Regulating Electric Traced Tubing is a thermally insulated fluid transport line for use in applications requiring freeze protection, viscosity maintenance, or condensation prevention, where the line may be cleaned or purged using steam or hot gasses.

The energy-efficient design provides for temperature maintenance of up to 100°F (38°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. The heating element will withstand exposure to temperatures of up to 366°F (185°C) allowing the process tubes to be steam purged with 150 psig saturated steam. 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.

Standard Products

| Tube OD | Tube Type | Heater |
|-----------------|-------------|--------|
| 1/4 x 0.035 | 316 SMLS SS | 5/240 |
| 3/8 x 0.035 | 316 SMLS SS | 5/240 |
| 1/2 x 0.035 | 316 SMLS SS | 5/240 |
| (2) 1/2 x 0.035 | 316 SMLS SS | 5/240 |

*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 | 180 (54) | 360 (109) | 240 (73) | 480 (146) | 360 (109) | 720 (219) |
| @ 0°F | 165 (50) | 325 (99) | 220 (67) | 430 (131) | 330 (106) | 645 (196) |
| @ -20°F | 155 (47) | 310 (94) | 210 (64) | 415 (126) | 310 (94) | 620 (188) |

Applications

- 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

Heating Cable

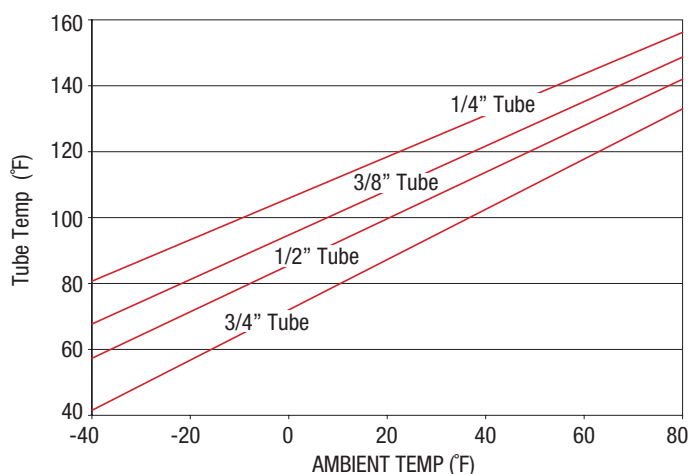
2256 HTM 2266 HTM High Temperature Maintenance Self-Regulating Electric Traced Tubing (cont'd.)

Technical Specifications

Electrical Specifications

| | |
|---|--|
| Heater Type | Self-Regulating |
| Heater Insulation | Fluoropolymer |
| Max. Continuous Exposure Temp. (Power-On) | 250°F (121°C) |
| Max. Exposure Temp (Power Off) | 366°F (185°C) |
| Circuit Length | 240 feet @ 120 VAC 480 feet @ 240 VAC |
| Bus Wire Size (AWG) | 16 |
| Power Output | 5 watts/foot @ 50°F 120 VAC or 240 VAC |
| Alternate Voltage | 240 VAC self-regulating heaters may be operated at alternative voltages. |
| Adjustment Factor | 208 VAC 78% 277 VAC 109% |
| Temperature Rating per N.E.C. 500 | T3 |

2256 Self Regulating Heater - HTM



Product Specifications 2256/2266 HTM/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)