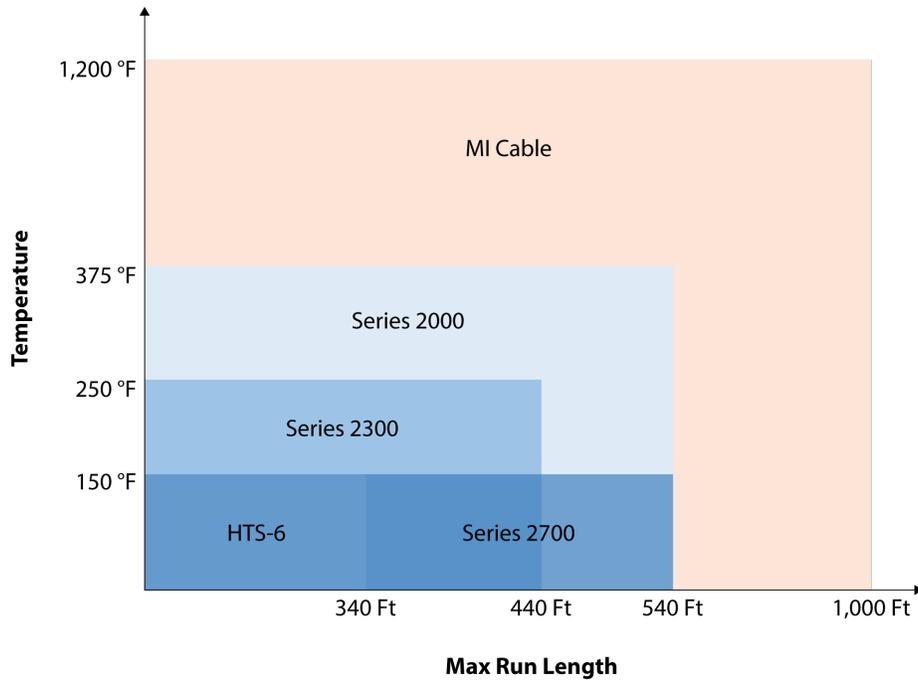


INDUSTRIAL HEAT TRACE



CABLE SELECTION

Selecting the right cable is as much art as it is science. The chart below can help guide you through the selection of products to ensure that you choose the right cable for your application.



PRODUCT SELECTION AND CONNECTIONS Self-Regulating Heat Trace

Self-regulating cable can be cut to length in the field and regulate heat output automatically in response to pipe temperature. The ability to easily wrap the cable around valves or flange pairs reduces installation time and lowers overall job cost. Valin's product lines and our knowledge optimize the system to maximize run lengths and ensure you have the smallest numbers of circuits possible.

Heating Cable			FM/CSA Approvals								
Series	Maintenance Temperature °F		Ordinary Area	Class I		Class II		Class III		Zone 1*	Zone 2
	Continuous	Intermittent		Div 1*	Div 2	Div 1*	Div 2	Div 1*	Div 2		
2000	375	475	Yes	B,C,D	A,B,C,D	E,F,G	F,G			IIB + H2	IIC
2300	250	366	Yes	B,C,D	B,C,D		F,G		Yes		
2700	150	185	Yes	B,C,D	B,C,D		F,G	Yes	Yes		
HTS-6	150	185									

*Contact a Valin representative for information on Division I hazardous location systems

HTS-6 SERIES Self-Regulating Heating Cable

The HTS-6 commercial grade heater cable is designed for use in both indoor and outdoor locations as well as for residential and commercial freeze protection on water pipes and drain pipes. In roof and gutter applications the HTS-6 provides a pathway for flowing water on the roof or in gutters and downspouts to safely distance itself from the building before the opportunity to re-freeze and cause damage.

Performance Ratings

Output wattage:

6 W/ft @ 40°F

Supply voltages:

HTS-6-1R: 120V

HTS-6-2R: 208 V - 277 Vac

Continuous maintenance temperature:

150°F (65°C) max

Intermittent exposure temperature:

185°F (85°C) max

Braid resistance:

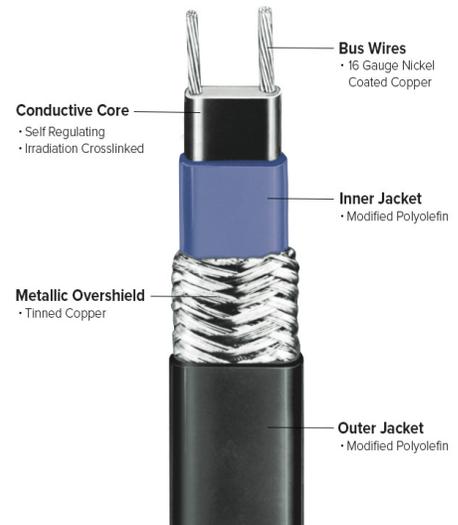
Tinned copper 0.003 Ω/ft with modified Polyolefin Jacket

CSA:

Ordinary locations
Type 2E, 3A, 3B, 3C

UL:

Pipe Heating Cables
Industrial and Commercial



2700 SERIES Self-Regulating Heating Cable

The 2700 series of self-regulating heating cables are designed to supply a specified amount of heat at any point along their length in direct response to local temperature variations. These cables can maintain temperatures up to 150°F (65°C) and survive intermittent exposure up to 185°F (85°C) with power applied. 2700 cables can be cut to length and terminated in the field and will not overheat or burnout when overlapped.

Performance Ratings

Output wattage:

3, 5, 6 w/ft @ 40°F

Supply voltages:

2803, 2805: 110 - 120 Vac

2806: 120 or 208V - 277 Vac

Continuous maintenance temperature:

150°F (65°C) max

Intermittent exposure temperature:

185°F (85°C) max

Braid resistance:

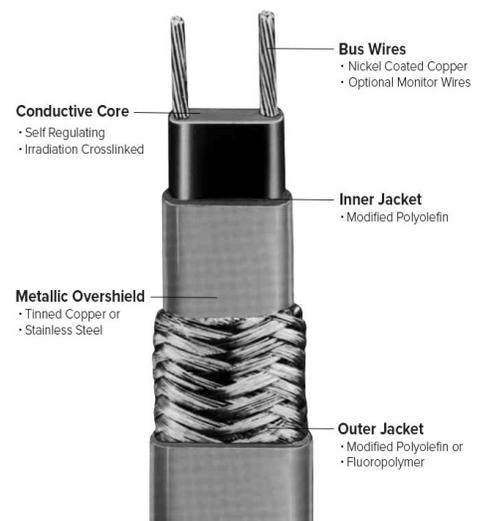
Tinned copper 0.003 Ω/ft

CSA:

Ordinary locations
Type 2E, 3A, 3B, 3C

UL:

Pipe Heating Cables
Industrial and Commercial



2300 SERIES Self-Regulating Heating Cable

The 2300 series of self-regulating heating cables are designed to supply a specified amount of heat at any point along their length in direct response to local temperature variations. These cables can maintain temperatures up to 250°F (120°C) and will withstand 150 psig saturated steam purging and intermittent temperature excursions to 366°F (185°C). 2300 series cables can be cut to length and terminated in the field and will not overheat or burnout when overlapped.

Performance Ratings

Output wattage:

3, 5, 6 w/ft @ 40°F

Supply voltages:

2803, 2805: 110 - 120 Vac
2806: 120 or 208V - 277 Vac

Continuous maintenance temperature:

150°F (65°C) max

Intermittent exposure temperature:

185°F (85°C) max

Braid resistance:

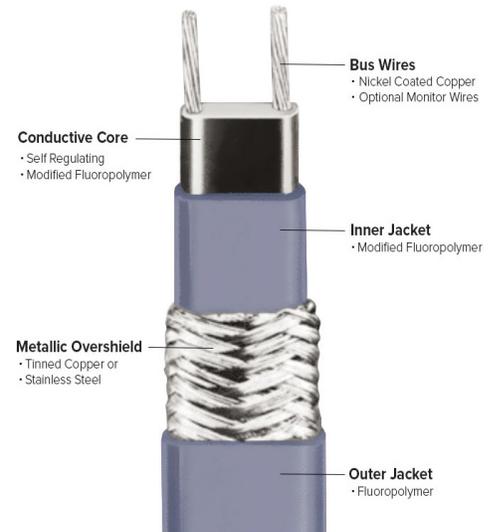
Tinned copper 0.003 Ω/ft

CSA:

Ordinary locations
Type 2E, 3A, 3B, 3C

UL:

Pipe Heating Cables
Industrial and Commercial



2000 SERIES Self-Regulating Heating Cable

The 2000 series of self-regulating heating cables are designed to supply a specified amount of heat at any point along their length in direct response to local temperature variations. These cables can maintain temperatures up to 375°F (190°C) and will withstand 190 psig saturated steam purging and intermittent temperature excursions to 450°F (232°C) with power applied. 2000 series cables can be cut to length and terminated in the field, and will not overheat or burnout when overlapped.

Performance Ratings

Output wattage:

3, 5, 6 w/ft @ 40°F

Supply voltages:

2803, 2805: 110 - 120 Vac
2806: 120 or 208V - 277 Vac

Continuous maintenance temperature:

150°F (65°C) max

Intermittent exposure temperature:

185°F (85°C) max

Braid resistance:

Tinned copper 0.003 Ω/ft

CSA:

Ordinary locations
Type 2E, 3A, 3B, 3C

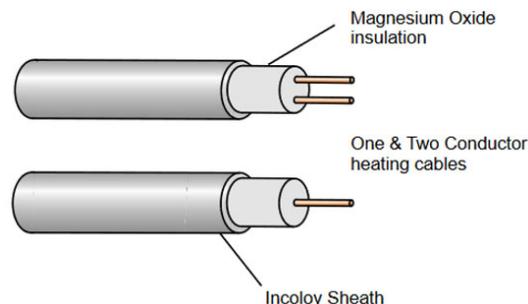
UL:

Pipe Heating Cables
Industrial and Commercial



MINERAL INSULATED CABLE

Mineral insulated cable is ideal for a wide range of industrial and commercial applications. It has resistive heating conductors embedded in Magnesium Oxide. The MgO allows heat to pass to the stainless steel alloy sheath while not allowing electricity pass, thus the sheath is temperature hot but not electrically hot. The sheath is fully annealed and easily bent to fit along a pipe.



- Output Wattage 5-35 W/ft
- Supply Voltage 120V, 208V-277V, 480V
- Continuous Maintenance Temperature: 100 °F
- Intermittent Exposure Temperature: 1200 °F
- Commonly Used For: long runs and high temperature applications

ACCESSORIES

Accessories are critical to the success of any heat trace system. Water ingress into a power box or end seal will quickly short out a heat trace run. And thermostats are an essential component of the thermal loop, saving money by powering off the cable when it's not necessary.



- Valin's combined power box and end seal kits
 - Simplifies bills of material and reduces cost
- End of run lights provide visual indication of voltage present at the end of run
- Thermostats are essential for reducing energy costs and efficient operation
- Full complement of straps and tapes available for securing the cable to the pipe

Part Number	Description (1)	Description (2)	2000	2300	2700	HTS-6
PCL-JB-ES-ST (3 or 12)	Power Box	Power Box, end seal and (2) clamps	-	X	X	X
SCL-JB-ST, (3 or 12)	Splice Kit	Splice kit and clamp	-	X	X	X
EOR- *voltage*, (3 or 12)	End of Run Light	End of run light and clamp	X	X	X	X
166013A11	Thermostat	Adjustable line sensing thermostat	X	X	X	X
166018911	Thermostat	Adjustable ambient sensing thermostat	X	X	X	X

ENGINEERING

Valin has application engineers who can assist you with designing and optimizing your heat trace system. We also partner with local contractors, providing the full turnkey experience at the lowest cost.

- Isometric Drawings
- BIM model
- Fully engineered Bills of Material
- Take Offs
- Site Supervision and installation
- Start up and Commissioning
- Panel Troubleshooting and Programming

