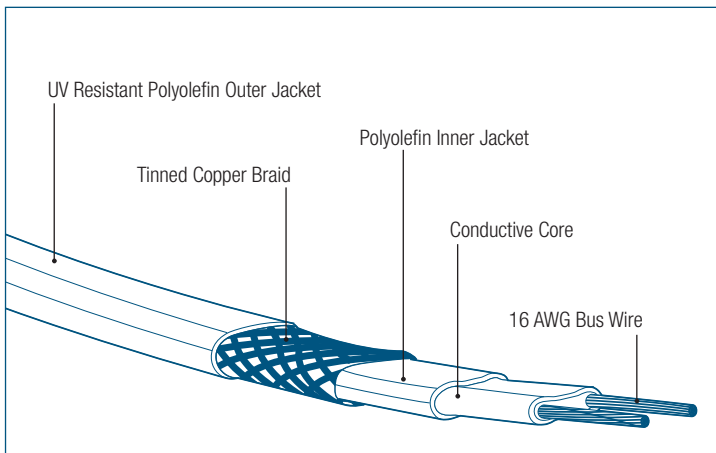


Roof & Gutter De-Icing Self-Regulating Heater Cable

HeaterZone self-regulating roof and gutter de-icing cables are designed for commercial and residential (non-hazardous) applications to create drain paths needed to prevent ice dams and ice build-up that can cause extensive damage to roof and gutter systems, without consuming excess energy. The power output will increase as ambient temperature decreases in the presence of ice or snowfall.

FEATURES

- regulates power output in response to changes in the ambient conditions
- cable can overlap across itself without risk of overheating and/or burnout for easy installation around roof, gutters, and downspouts
- cable can be cut or extended to required length on jobsite for ultimate versatility
- cable can also be used for pipe freeze protection applications



OUTPUT PER FOOT @ 32°F (in ice / snow)
8 watts

ROOF MATERIAL

Suitable for shingles, metal, plastic, tar and wood roofs

VOLTAGE

120V (100V -130V)
240V (208V -277V)

CABLE DIMENSIONS

0.51 inches x 0.22 inches
(13.1mm x 5.6mm)

MINIMUM BEND RADIUS

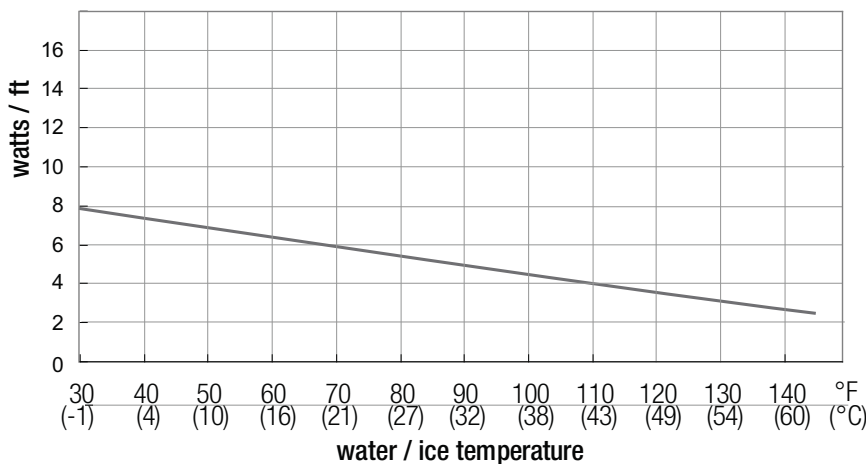
1.18 inches (30mm)

MAXIMUM EXPOSURE TEMP.

150°F (66°C)



POWER OUTPUT CURVE



The Power Output Curve illustrates the relationship between wattage output and water /ice temperature. As the water /ice temperature rises, the heating cable uses less wattage and emits less heat.

WATTAGE OUTPUT SUMMARY

	Wattage Output	
	@ 32°F on ice / snow	@ 50°F on metal pipe
	8	5

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MAXIMUM CIRCUIT LENGTHS

	Start-up temp.		120V				240V			
			Breaker Sizes							
	°F	°C	15A	20A	30A	40A	15A	20A	30A	40A
	50	10	200	200	200	200	400	400	400	400
	32	0	190	200	200	200	385	400	400	400
	14	-10	165	200	200	200	330	400	400	400
	-4	-20	140	190	200	200	285	385	400	400

ADJUSTMENT FACTORS

These self regulating heating cables are rated at 240V. Adjustments need to be made to the power output as well as maximum circuit lengths if the supply voltage of the application is at 208V or 277V.

	Heating Cable	Power Output	Circuit Length
208V	8W/240V/N	0.89	0.92
277V	8W/240V/N	1.12	1.08

CONTROLS

The self-regulating cable can operate safely without the use of thermostats or controls but use of thermostats or controls is recommended to improve energy efficiency.

GROUND-FAULT PROTECTION

HeaterZone.com and National Electrical Codes require 30-mA equipment ground-fault protection on each heating cable branch circuit to reduce the danger of fire caused by continuous electrical arcing resulting from improper installation or damage to the heating cable. Conventional circuit protection may not be suitable for preventing electrical arcing.