



SELF-REGULATING HEAT CABLE

DESCRIPTION

The Helmet Heat self regulating cable is designed for commercial freeze protection and residential roof and gutter applications. The self regulating design allows for safety and ease of cut to length installation. Helmet Heat's highly engineered, conductive core increases its heat output when the temperature falls and decreases its heat output when the temperature rises. It's the perfect system to combat Michigan winters.

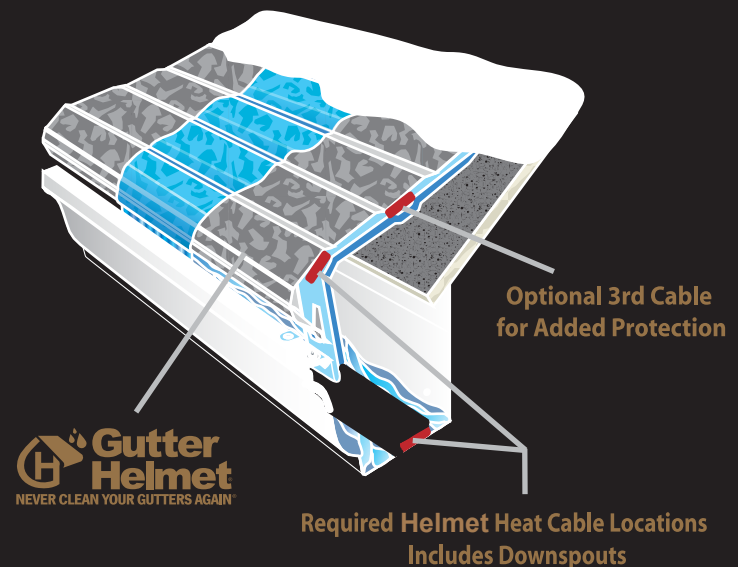
BENEFITS OF HELMET HEAT

The Helmet Heat system is designed to drastically reduce icicles that could form along the nose of the Gutter Helmet system. It also reduces the amount of ice that could form on the top of the Helmet or within the gutters or downspouts in the areas where the Helmet Heat system is installed. The system is proven to greatly reduce these problems and in some situations may completely eliminate them depending on the magnitude of the pre-existing conditions prior to the Gutter Helmet installation.

- The application process hides the cables within the system.
- Aesthetics are not compromised.
- Up to 50% more energy efficient than traditional cables.
- Up to 50% less cable required than traditional cables.

CABLE INSTALLATION PROCESS

The Helmet Heat system consists of one cable inside the gutter and one located under the nose of the Gutter Helmet system and also inside the gutter downspouts. An optional 3rd cable may be installed underneath the middle of the Gutter Helmet panel if needed to reduce excessive ice issues. Cable up the valley areas is also an option. Helmet Heat is strictly designed to reduce or eliminate ice 8-10" from the nose of the Gutter Helmet at the roofs edge depending on the application. Helmet Heat can be installed with new Gutter Helmet installations or can also be retrofit to previously installed Gutter Helmet systems. The Helmet Heat will be installed by a certified Gutter Helmet installer. Please consult with your Gutter Helmet System Design Technician to discuss the best application for your home.



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Available exclusively from **Atlas Home Improvement** and requires installation of the Gutter Helmet system

OPTIONAL HELMET HEAT SENSOR CONTROLLER

The Helmet Heat sensor control system is designed to automatically activate and turn on the Helmet Heat cable system. The system has a thermostatic control that will activate the cable when the preset temperature is reached. The controller box has a lighting notification system that lets you know when the power is on, the system is heating or if you have a system failure.



TECHNICAL DATA - 0° Zone Temp Recommended 240 Volt Breaker Sizing Chart

| MINIMUM TEMP | MAXIMUM LENGTH IN FEET | | |
|--------------|------------------------|--------|---------|
| | @20AMP | @30AMP | @40 AMP |
| -20°F | 190 | 285 | 385 |
| 0°F | 230 | 340 | 450 |
| 40°F | 360 | 450 | 450 |

ELECTRICAL CONNECTION

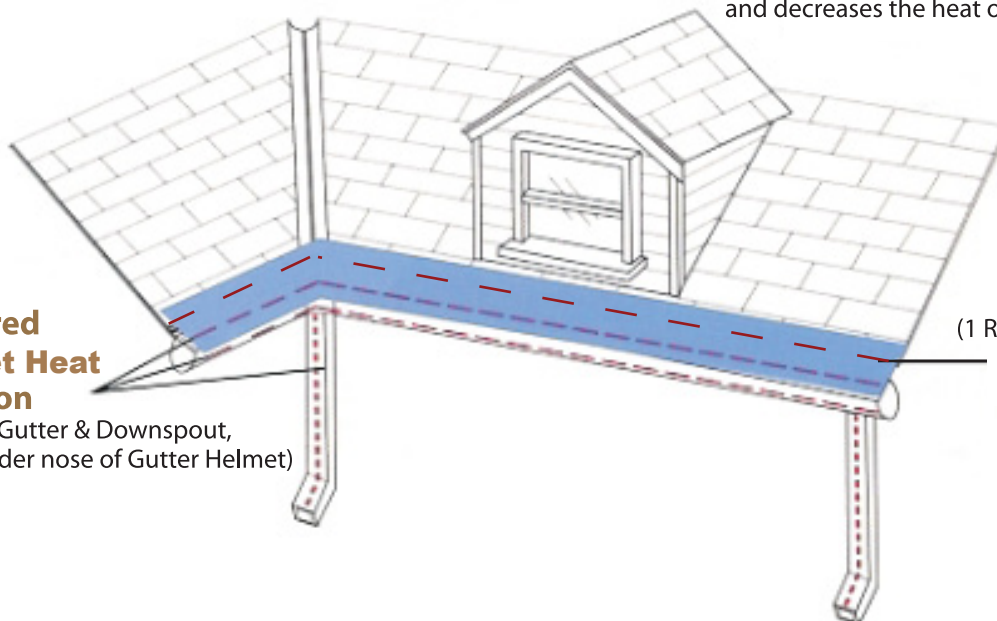
The Helmet Heat self regulating cable requires a licensed electrician for connecting the power source according to local and national electrical codes. The system also must be hardwired and may not be plugged in or connected to an existing outdoor outlet. Each run of cable must have its own dedicated power circuit. Atlas Home Improvement is not responsible for any electrical connections although we can recommend a licensed electrician that is familiar with the installation of the Helmet Heat system upon request.

Helmet Heat System Configuration

The Helmet Heat System increases heat output when it is **COLD**... and decreases the heat output when it is **WARM**.

Required Helmet Heat Location

(1 run in Gutter & Downspout,
1 Run under nose of Gutter Helmet)



Optional 3rd Cable

(1 Run of cable underneath middle
of Gutter Helmet panel)