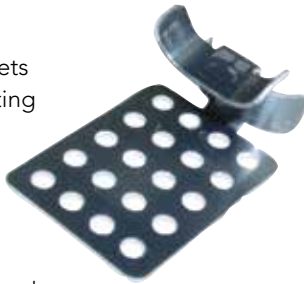


## ROOF CLIPS

Roof clips are engineered brackets designed to secure Paladin heating cables to the roof surface. The roof clips provide an easy, strong and secure support for cabling on sloped roofs with shingles or metal roofs with standing seams. The roof clips can be secured with screws, nails, or appropriate adhesives.

(May vary from illustration)



## CABLE GUARDS

Cable guards are available to provide mechanical protection for the Paladin heating cable wherever it may pass over or onto an edge, which may result in injury to the outer jacket. The cable guard simply wraps around the Paladin heating cable for easy, effective protection.



## DOWNSPOUT HANGERS

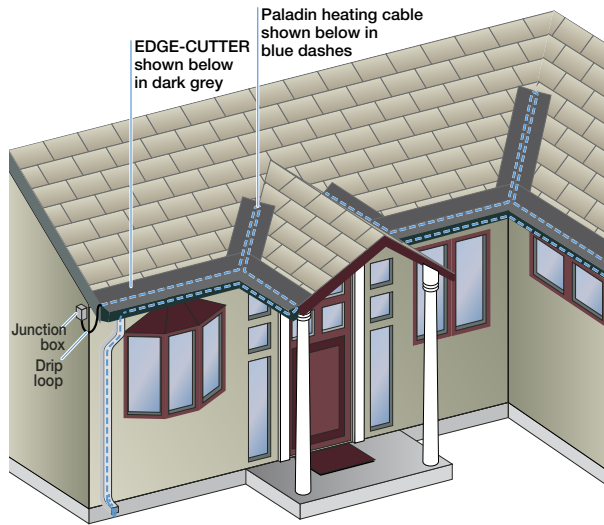
Downspout hanger kits are designed to effectively suspend the heating cable in the gutter downspout while providing strain relief and mechanical protection against sharp edges. (May vary from illustration)



## SKYLIGHTS, DORMERS & VALLEYS

Paladin can be efficiently used to trace around any skylight or dormer windows. Paladin can also be used on its own or combined with EDGE-CUTTER to extend up valleys.

Heat-Line offers other heating cables and kits depending on your roof de-icing application. Please contact Heat-Line to discuss your particular roofing requirements.



## SPECIAL REQUIREMENTS

Since 1988 Heat-Line® has been specializing in freeze protection of all types. If you have a special application of any kind, give us a call. Special system designs are common to us. We manufacture many other innovative products not mentioned in this brochure.



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# EDGE-CUTTER® & Paladin®

Roof de-icing systems that eliminate roof edge ice build-up, eave icing, icicles and ice dams.



## EDGE-CUTTER

*EDGE-CUTTER* channel flashings are designed to prevent ice build-up, icicles, or ice dams on the roof edge. The flashing can be used with various roofing materials such as asphalt shingles, aluminum, steel and even slate. Each 4 foot long aluminum flashing is feathered inwards for maximum heat transfer and extends approximately 5 1/2 inches under your roofing substrate creating a constant melt away along the roof edge. The flashing is installed under the roof substrate using screws, nails, adhesives or a combination of both fasteners and adhesive. The Paladin system is placed in the outer flashing channel and the edge cap secures the heating cable in place.

The *EDGE-CUTTER* flashing can be used on low-pitched roofs, fascia, valleys, and drip edges. If a metal roof is present, the *EDGE-CUTTER* channel flashing should be ordered with a 6 mil urethane membrane factory installed directly onto the flashing. The membrane prevents galvanic oxidation between dissimilar metals.



Flat and angled *EDGE-CUTTER* channel flashings are available to suit different application requirements. Angled is commonly used for the leading edge while flat is often used to trace higher up the roof edge or in valleys.

### Measuring EDGE-CUTTER and Paladin Systems

For measuring guidelines please see installation instructions, available through [www.heatline.com](http://www.heatline.com) or contact Heat-Line at 1-800-584-4944.

## PALADIN

Paladin is an award winning heating cable that can be used for roof and gutter de-icing. It employs the unique performance and operating characteristics of self-regulating heating cable technology. Paladin can be used in conjunction with *EDGE-CUTTER* channel flashings or in the conventional serpentine configuration using roof clips.

Paladin can be used in a variety of applications including, cottages, homes, resorts and farms. Snow sensors, thermostats, timers or other approved control devices can be added to the system for increased energy efficiency.

## POWER SUPPLY

To meet the needs of installers with different electrical connection options the Paladin system can be supplied as either a plug-in (GFC model) or hard wire (CS model). A dedicated, 15 AMP circuit is suitable for all lengths.

**GFC model** - Every GFC model Paladin contains an integral ground fault device manufactured in each power lead with a trip level rating of 27 milliamps.

**CS Model** - 12/ 14 AWG SJEOOW supply cord for direct hard wire connection, GFCI must be field installed. Heat-Line offers the MilliAMP device for external in-line GFCI protection.



## EDGE-CUTTER AT A GLANCE

- 4 ft. feathered aluminum flashing complete with cap
- Fast, easy installation
- For new or existing roofs
- Aesthetically pleasing
- Can be installed on existing roofs without the need to resurface
- Can be used under metal, asphalt and slate roof
- Membrane available to prevent oxidation between dissimilar metals
- Suitable for use with Heat-Line's Paladin system or Self-Regulating Cut-to-Length heating cable

## PALADIN AT A GLANCE

- cCSAus approved Usage W and S (Canada and USA)
- 5 year warranty with optional 10 year
- Max length 120 ft on 120 volt circuit. Max length 240 ft on 240 volt circuit.
- Can be easily installed on the roof edge with *EDGE-CUTTER* or in the serpentine configuration using roof clips
- Can be used with a variety of control devices such as snow melt control, thermostats and timers

**PALADIN heating cables may be used on/in:**

- Roofs made from all types of standard roofing materials, including shake, shingle, rubber, tar, wood, metal, and plastic
- Gutters made from standard materials, including metal and plastic
- Downspouts made from standard materials,

