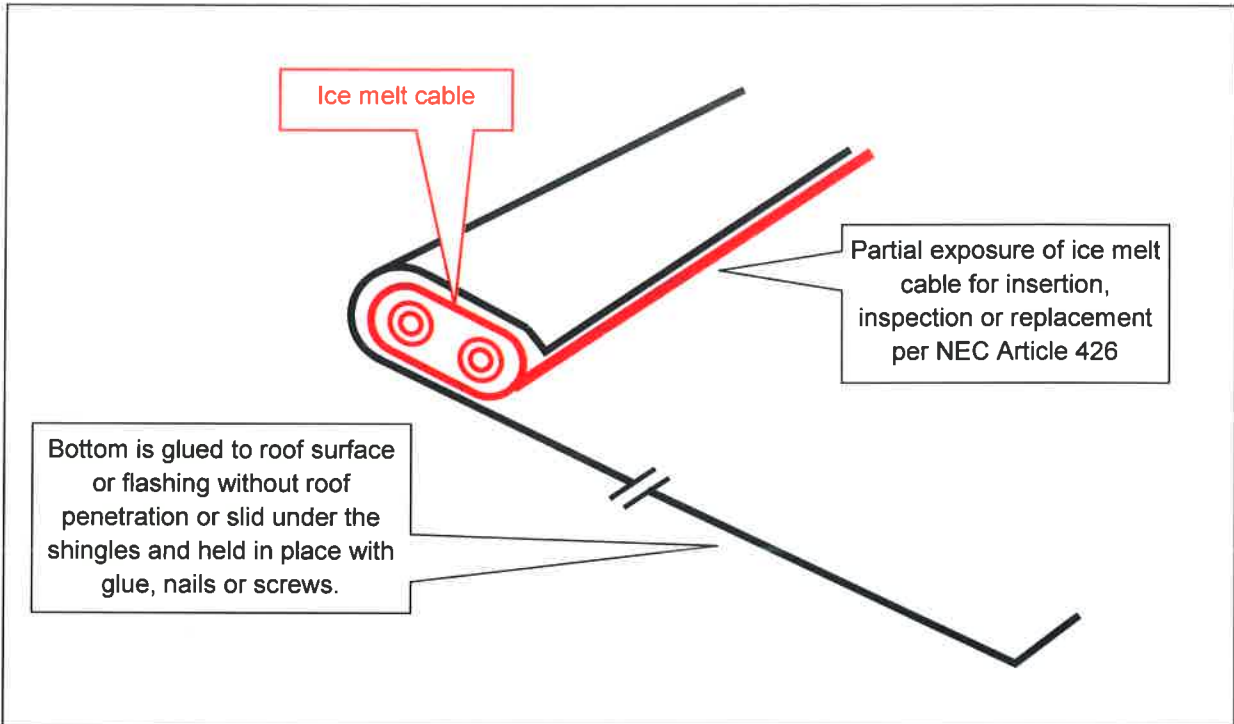


HotFlashing™ Raceway — Installation Instructions

Hot Edge, Inc.

www.HotEdge.com



HotFlashing™ Raceway – Part of the HotEdge™ Roof Ice Prevention System

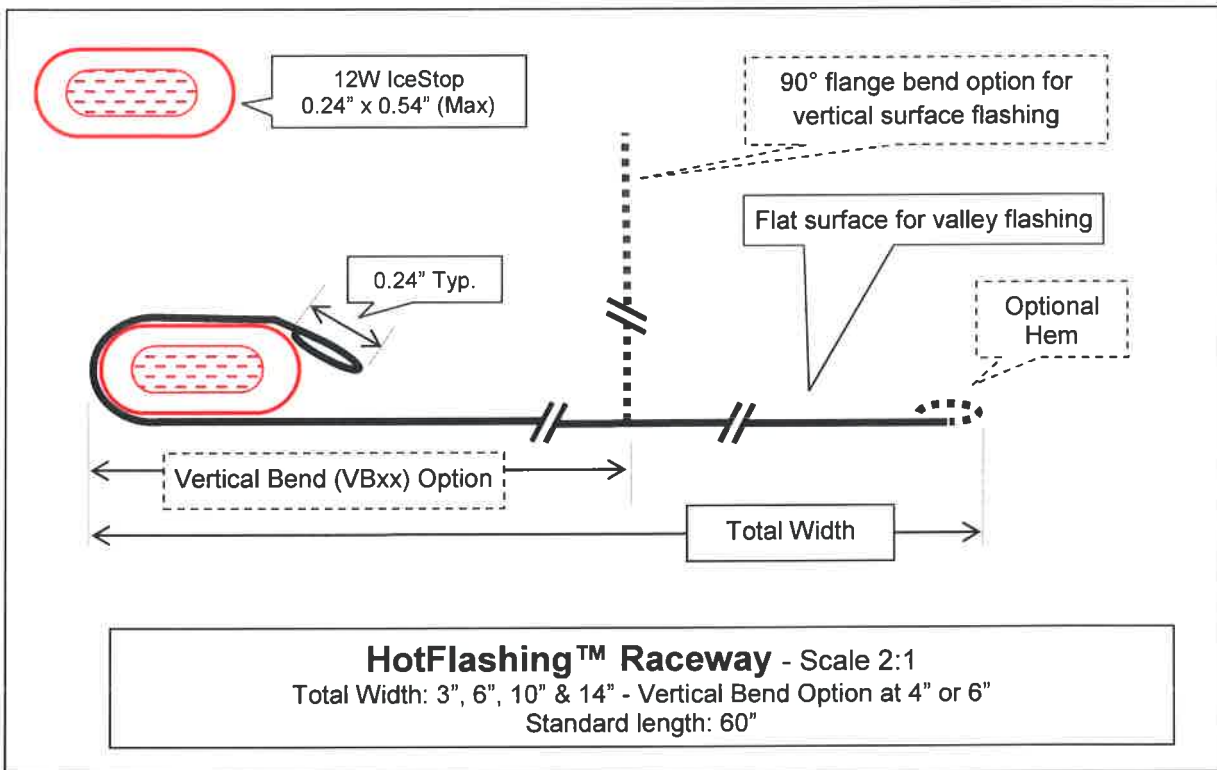
Note: The HotFlashing **Design Guide** provides important additional information. Additional information on the ice melt cable can be found in the HotEdge Rail™ Installation Instructions. These documents can be accessed at www.HotEdge.com

The HotFlashing™ Raceway holds a single run of UL Listed self-regulating ice melt cable and spreads the heat up to 6 to 8 inches across the panel. Compared to a single run of exposed ice melt cable, the HotFlashing™ panel creates a much wider heated drain path that prevents ice melt water from re-freezing until it can be drained away from the structure's foundation. In most cases a HotEdge™ Rail and heated gutters and downspouts are required for a complete system.

The HotFlashing™ Raceway can be used in the valley between roofs or next to the vertical walls of dormers or second stories. The Raceway hides the ice melt cable and is available in a number of different colors to match the roof covering. This presents a clean and attractive street view.

The partial exposure of the ice melt cable provides for insertion, inspection and replacement of the cable in compliance with the NEC (National Electrical Code) requirements.

HotFlashing™ Raceway Panel Profiles



Installation Instructions

- 1) The Flat Profile is commonly used in the valley intersection of two adjoining roof surfaces. If the existing valleys have a "W" flashing in place, two runs of the panels are recommended. A maximum horizontal melt path of 6 to 8 inches from the ice melt cable can be expected.
- 2) The Right Angle Vertical Flashings are used to create a melt path next to vertical walls, skylights, dormers, chimneys or other types of protrusions from the main roof surface. These areas can trap ice and snow and create hidden ice dams that need a heated drain path.
- 3) The Panels can be slid under the existing shingles and secured with nails or screws that are sealed with roofers sealing compound. For roofing material that cannot be penetrated, special glue, available from the factory, is used to secure the panels. The panels can be bent or trimmed at the time of installation.
- 4) In all cases, the entry and exit points of the raceway must be dressed to remove sharp edges or burs before the ice melt cable is inserted. This is critical on edges that are cut at the job site. A small file can be used. A pair of pliers can be used to slightly bend the edge away from the ice melt cable.
- 5) **The ice melt cable must be supported and securely attached to the structure at the top of every cable run.** For shingled roofs a Roof Clip is used. For raised seam metal roofs a Padded Cable Loop and Seam Clamp is used. In the case of ice or snow slides, this prevents the metal edge of the raceway from cutting into the ice melt cable.

The HotEdge™ Rail Roof Edge Ice Melt System

The UL Listed, HotEdge™ Rail roof edge ice melt System creates a three-sided raceway that holds a single run of self-regulating ice melt cable firmly against the bottom of the metal drip edge of most structures. This patent pending open raceway design conforms to the NEC (National Electrical Code) Article 426 and provides access for insertion, inspection and replacement of the ice melt cable. The heat generated by the ice melt cable is directly conducted to the top of metal drip edge. This helps prevent icicles and ice dams from forming in this critical area. The snow and ice melt water is not permitted to re-freeze at the drip edge and it can be safely drained away from the structure.

Some roofs will require the addition of a metal drip edge or a metal slip sheet (snow slide) that can be heated. Warning: In all cases, a metal drip edge must be present for the HotEdge Ice Melt System to operate safely and successfully. Hot Edge Inc. manufactures the HotSheet™ and the HotShingle™ products for this purpose.

Additional products are offered (e.g. HotValley and HotFlashing) to maintain a heated drain path for the ice melt water until it can be safely drained away from the foundation of the structure.

The ice melt cable manufacturer's installation instructions are provided with the cable. These procedures must be followed. Installation personnel must be skilled in the art and be aware of the dangers inherent in this type of construction work. This product is designed to be part of a complete roof structure. Only experienced professional contractors should install this product.

Consult with a licensed electrical contractor for the electrical system layout, junction box placement, maximum cable run lengths and power feed requirements with EDP breakers as defined by the National Electrical Code (NEC), local building codes and the ice melt cable manufacturer.

Completely read and understand these documents before starting the project.

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