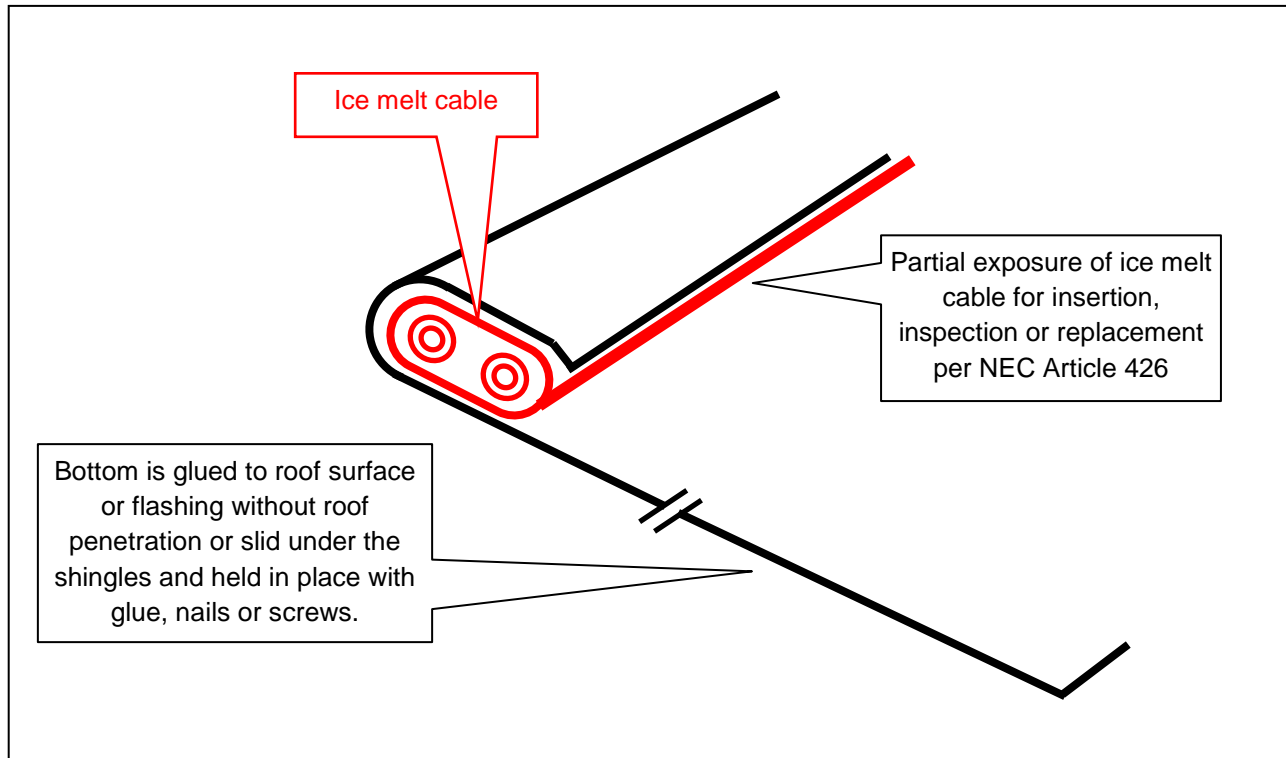


HotFlashing™ Raceway System – Design Guide

Order Entry Information & Engineering Specifications

Hot Edge, Inc.

www.HotEdge.com



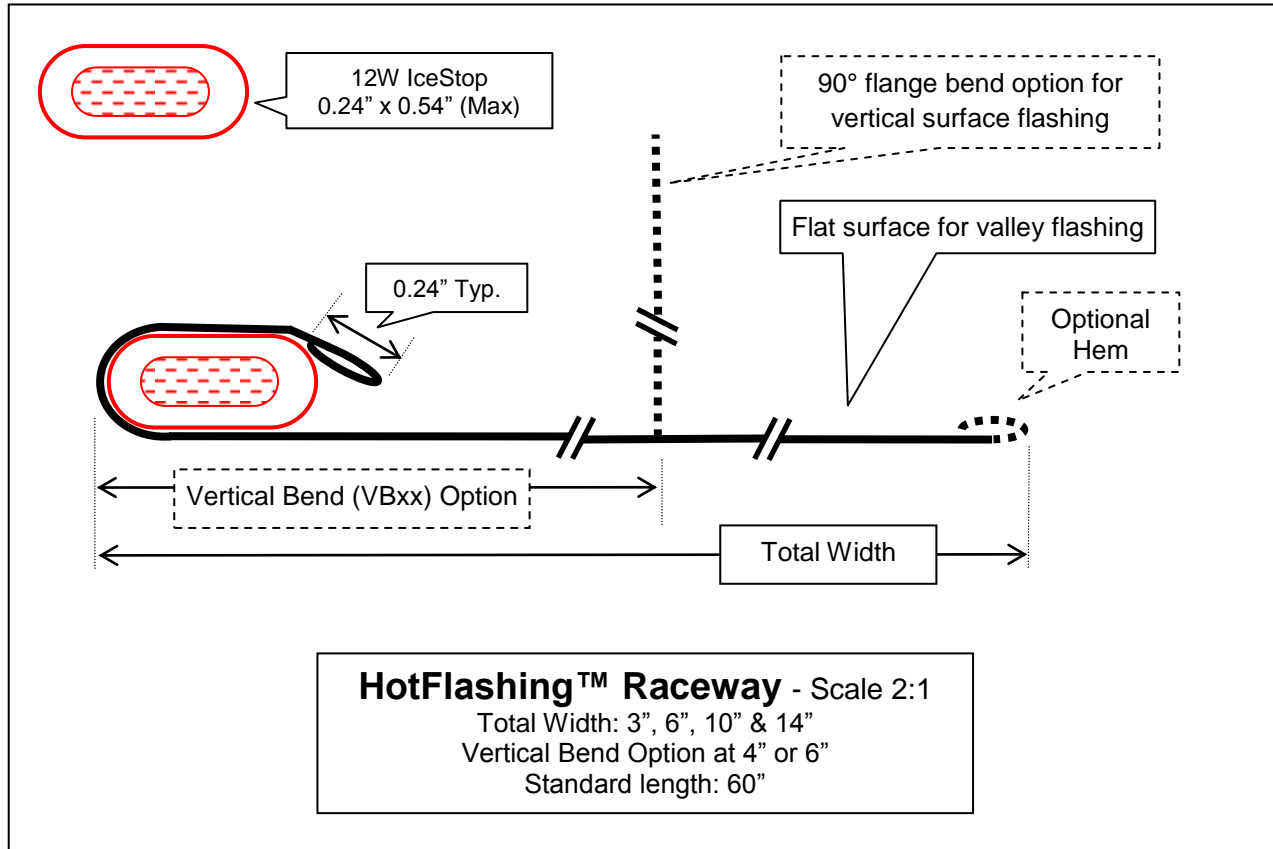
HotFlashing™ Raceway – Part of the HotEdge™ Ice Melt System

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



Profile Options

Flat Flashing

This profile is commonly used in the valley intersection of two adjoining roof surfaces. They can be slide under the existing shingles and secured with nails or screws that are sealed with roofers sealing compound. The panels can be bent or trimmed at the time of installation to clear existing nails or other obstructions. For roofing material that cannot be penetrated, special glue, available from the factory, is used to secure the panels. 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.

Right Angle Vertical Flashings

These right angle 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 drain path.

The panels are available in 3, 6, 10 and 14 inch widths. For example, using a 10 inch total width, the vertical 90° flange bend is available at 4 inches to create a 6 inch vertical flange or at 6 inches to create a 4 inch vertical flange. **Please note the total width measurement includes the horizontal and the vertical lengths.**

HotFlashing™ Raceway – Harmonized Part Number Nomenclature

HFLR 006 — S - HAGR — 060 — XX — Rev11

HotFlashing™ Raceway Products

HFLR 0015 = HotFlashing™ 1.5" Wide
 HFLR 003 = HotFlashing™ 3" Wide
 HFLR 006 = HotFlashing™ 6" Wide
 HFLR 010 = HotFlashing™ 10" Wide
 HFLR 014 = HotFlashing™ 14" Wide

Note: The HotFlashing™ Raceways will hold either the 12 watt IceStop or the 8 watt WinterGard Wet ice melt cable.

The width and length may be trimmed at the time of installation.

Note: The wider raceways are only designed to accommodate a vertical bend. A maximum horizontal melt path of 6 to 8 inches from the ice melt cable can be expected.

Material & Color

Material

C= Copper, 0.021", 16oz., ½ Hard

S= Painted Galvanized Steel, 0.019"

A = Kynar Painted Aluminum, 0.032"

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Color

NAT = Natural Copper (For copper material)

ALMD= Almond
 CLRD = Colonial Red
 HMGR = Hemlock Green
 SLBL = Slate Blue
 BNWH = Bone White
 COPE = Copper Penny
 MNBN = Mansard Brown
 SLGR = Slate Gray
 MABL = Matte Black
 DKBZ = Dark Bronze
 MDBZ = Medium Bronze
 CLGR = Classic Green
 HAGR = Hartford Green
 SRTN = Sierra Tan

Length

060= 60"
 (Note: 060 can be shipped UPS)

Options

XX = No Options

OH – Optional Hem

VB04 = Vertical bend at 4" from cable end

VB06 = Vertical bend at 6" from cable end

The length of the vertically bent flange is included in the total width dimension.

BTP= Build to Print (Special Order Only)

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.

Warning

Low cost, constant current ice melt cable must not be used. Only safety agency Listed, self regulating ice and snow melt cable for structures that are provided with the system can be used.

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