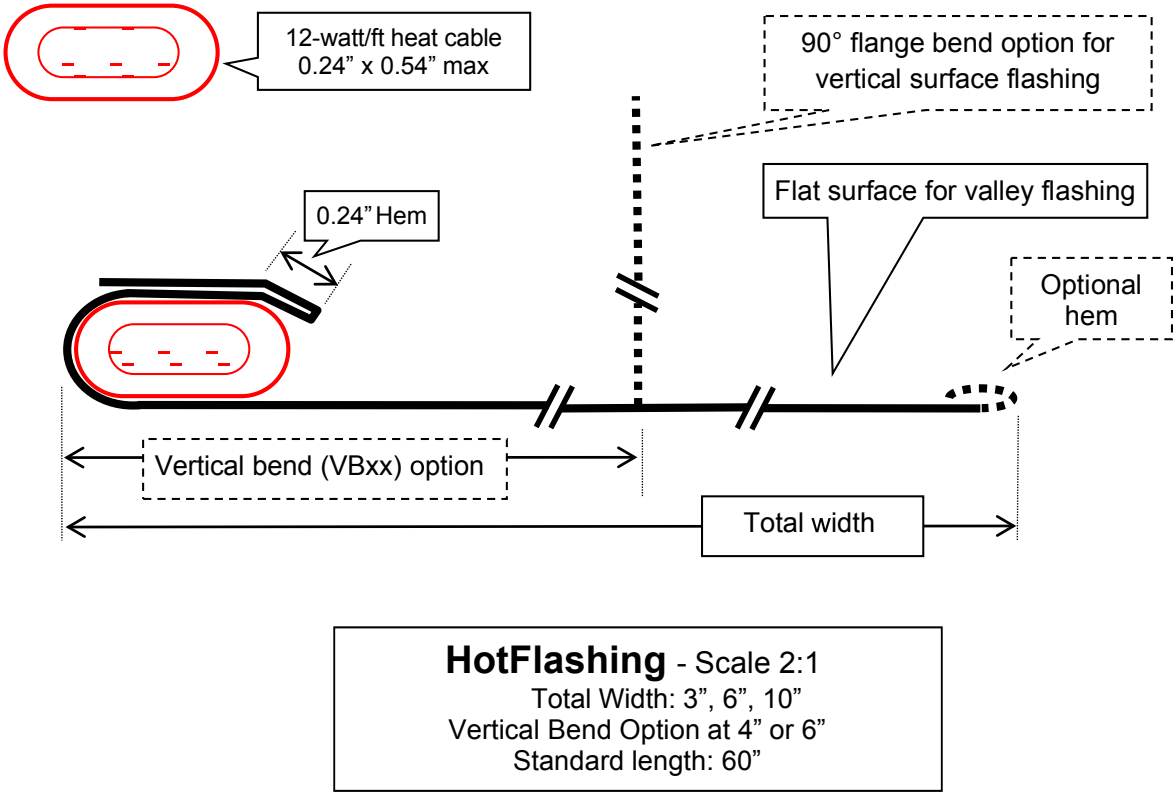




# INSTALLATION GUIDE

## for HotFlashing™

### HotFlashing™ Raceway Panel Profiles



**WARNING**

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

### HotFlashing Installation Instructions

1. The Flat Profile is commonly used in the valley intersection of two adjoining roof surfaces. 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 melt path.
3. HotFlashing 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, commercial grade adhesive is used. The HotFlashing panels can be bent or trimmed at the time of installation with hand held shears.
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.

**WARNING:**

**In all cases, a metal drip edge must be present for the HotEdge™ Ice Melt System to operate safely and successfully. Only self-regulating ice melt cable supplied with the system can be used. Low cost constant-current heating cable is a fire hazard and cannot be used.**

### Self-regulating Heating Cable Supplied with System

The HotEdge Rail is supplied with one of the following Listed (KOBQ) De-Icing and Snow-Melting Equipment Heating Cable and accessories (designed for roof and gutter de-icing and snow melt) indicated below and with the installation instructions provided by the heating cable manufacturer.

#### Products from NuHeat

NuHeat 13 Watt roof and gutter plug in cable 120V 5 ft	13PK08W1-5
NuHeat 13 Watt roof and gutter plug in cable 120V 10 ft	13PK08W1-10
NuHeat 13 Watt roof and gutter plug in cable 120V 15 ft	13PK08W1-15
NuHeat 13 Watt roof and gutter plug in cable 120V 25 ft	13PK08W1-25
NuHeat 13 Watt roof and gutter plug in cable 120V 50 ft	13PK08W1-50
NuHeat 13 Watt roof and gutter plug in cable 120V 75 ft	13PK08W1-75
NuHeat 13 Watt roof and gutter plug in cable 120V 100 ft	13PK08W1-100
NuHeat Heat Shrink Power Connection Kit (incl. 1 end seal)	RPPC
NuHeat Heat Shrink Splice.tee (incl. 2 End Seals)	RPST
NuHeat Heat shrink end seal (1pc)	RPES
NuHeat 13RGRC Roof Clips (box of 50)	RGRC
NuHeat Thermocube Thermostatic Outlet 120V	NH-THC
NuHeat Roof and Gutter Downspout hanger	RGDH
NuHeat Plug-in GFCI adaptor	FP-PLUG
120v NuHeat Roof & Gutter De-Icing Cable	13FP10W1
240v NuHeat Roof & Gutter De-Icing Cable	13FP10W2
120v NuHeat Roof & Gutter De-Icing Cable	R13P8-1
240v NuHeat Roof & Gutter De-Icing Cable	R13P8-2

## Products from Tyco Thermal Controls LLC (Raychem)

UL File KOBQ.E74811, De-icing and Snow-melting Equipment  
CSA Class 2872-01, File 021133\_C\_000 HEATERS-Cable and Cable Sets  
Raychem® IceStop® Roof & Gutter De-Icing Systems  
GM-1X Heating cables (120VAC, 10 watts per foot)  
GM-2X Heating cables (240VAC, 12 watts per foot and 277VAC, 12 watts per foot)  
FTC-P Power Connection & End Seal Kit  
FTC-HST Splice/Tee Connection Kit  
GMK-RC Roof Clips  
GM-RAKE Hanger Bracket  
Raychem® WinterGard Wet Roof & Gutter De-Icing Systems  
H612 Heating cables (120VAC, 6 watts per foot)  
H622 Heating cables (208-277VAC, 6 watts per foot)  
H900 Power Connection & End Seal Kit  
H910 Splice/Tee & End Seal Kit  
H913 & H914 Roof Clip Kits  
H915 Hanger Bracket Kit  
H908 120VAC Plug-in Power Connection Kit

## System Test by the Electrical Contractor

### ***Insulation Resistance (Megohmmeter) Test***

The insulation resistance test is critical to ensure the safety and reliability of the heating cable system. This test should be performed as part of the installation of the system. It is also useful for troubleshooting an installed system. This test is required for warranty coverage from some cable manufacturers. See details in the ice melt cable manufacturer's installation instructions.

A large peak amp reading at cold start-up may indicate a current draw issue. Some systems may require time delay relays to spread out this peak load.

Individual home runs are recommended for troubleshooting, repair and replacement of the ice melt cable.