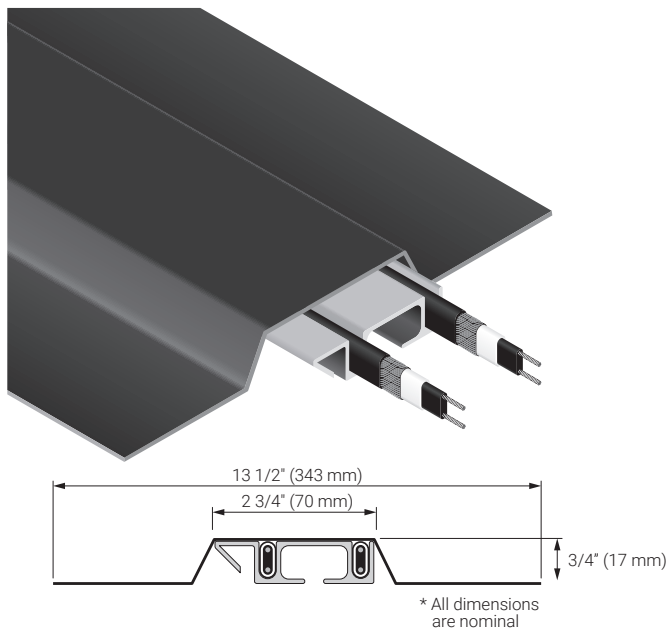


## Snowmelt panel system for concealed roof & gutter de-icing



### PRODUCT OVERVIEW

nVent RAYCHEM Roof Ice Melt (RIM) systems are designed to eliminate icicles and ice dam problems in wide range of applications.

The nVent RAYCHEM RIM Snow Melt (RIM-S) system is designed to create wider snow melt paths on the roof. These can be used for snow melt in large gutters or on roof sections between standing seams or to provide melt paths to access sections of roof. The system consists of high wattage nVent RAYCHEM IceStop electric heating cable, Aluminum extrusion designed to fit the cable and a cover panel for efficient heat transfer. The RIM-S system uses two linear runs of heating cable with power output necessary for heavy snow load areas.

RIM systems provide:

- Long term roof deicing solution by mechanically protecting the heating cable
- Aesthetically pleasing solution by concealing the heating cable
- High performance and reliable solution for heavy snow load areas



### CATALOG NUMBER

RIM-S, Snowmelt System	Copper
RIM-S, Snowmelt System	Aluminum

### CONTENTS

RIM-S	Extrusion (1 ft per foot of RIM-S)
	Cover Panel (1 ft per foot of RIM-S)
	IceStop Heating Cable (2 ft per foot of RIM-S)

### MATERIALS OF CONSTRUCTION

Extrusion	Aluminum
Cover Panel	Aluminum
	Copper
	Custom
	Note: Refer to the RIM color guide (H59379) for a complete list of options.

## ADDITIONAL MATERIALS (AS REQUIRED)

Power Connection kits (WPCK-R)	Contains a heat shrink power connection and end seal designed for RIM systems
Splice/Tee Connection kits (FTC-HST-PLUS)	Heat shrink splice or tee kit designed for RIM systems
RIM Adhesive/Sealant	Silicone adhesive for RIM systems
	Note: Only approved connection kits and accessories must be used with RIM systems. Refer to the RIM design guide (H59561) for proper selection.
End Seal kits	Heat shrink end seal kit designed for RIM systems

## PRODUCT SPECIFICATIONS (NOMINAL)

Power Output	24 W/ft of RIM-S (79 W/m of RIM-S) in snow or ice
Minimum Installation Temperature	0°F (-18°C)
Overall Cover Dimensions	Width: 13 in (330 mm) Thickness: 3/4 in (19 mm)
Overall Extrusion Dimensions	Width: 2 1/2 in (63 mm) Thickness: 3/4 in (19 mm)
Weight	1510 lb/1000 ft (2247 kg/km)

## HEATING CABLE SPECIFICATIONS (NOMINAL)

Voltage	IceStop GM-1X: 120 Vac
	IceStop GM-2X: 208-277 Vac
Minimum Bend Radius	5/8 in (16 mm)

## MAXIMUM CIRCUIT LENGTH IN FEET (METERS)

	Start-up temperature	Circuit breaker size			
		15 A	20 A	30 A	40 A
GM-1X at 120 volts	32°F (0°C)	100 (30)	135 (41)	200 (61)	–
	20°F (-7°C)	95 (29)	125 (38)	185 (56)	200 (61)
	0°F (-18°C)	80 (24)	100 (30)	155 (47)	200 (61)
GM-2X at 208 volts	32°F (0°C)	190 (58)	250 (76)	380 (116)	–
	20°F (-7°C)	180 (55)	235 (72)	355 (108)	380 (116)
	0°F (-18°C)	145 (44)	195 (59)	290 (88)	380 (116)
GM-2X at 240 volts	32°F (0°C)	200 (61)	265 (81)	400 (122)	–
	20°F (-7°C)	190 (58)	250 (76)	370 (113)	400 (122)
	0°F (-18°C)	155 (47)	205 (62)	305 (93)	400 (122)
GM-2X at 277 volts	32°F (0°C)	215 (66)	290 (88)	415 (126)	–
	20°F (-7°C)	200 (61)	265 (81)	400 (122)	415 (126)
	0°F (-18°C)	165 (50)	225 (69)	330 (101)	415 (126)

## APPROVALS

The IceStop heating cables are UL Listed and CSA Certified only when used with the appropriate agency-approved nVent RAYCHEM connection kits and accessories. For approvals information, refer to the IceStop heating cable data sheet (H56428).

## GROUND-FAULT PROTECTION

To minimize the danger of fire from sustained electrical arcing if the heating cable is damaged or improperly installed, and to comply with the requirements of nVent, agency certifications, and national electrical codes, ground-fault equipment protection must be used on each heating cable branch circuit. Arcing may not be stopped by conventional circuit protection. Many nVent RAYCHEM control and monitoring systems meet the ground-fault protection requirement.

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