WarmlyYours
Be Connected.
Be Warm. Be Radiant.

Ice Shield PRO

Self-Regulating Roof & Gutter Deicing Cable

When ice and snow accumulate on a building's roof or gutters, they can cause ice dams, which can lead to significant water damage requiring costly repairs. *The Ice Shield PRO Self-Regulating Deicing Cable automatically adjusts its heat output based on the surrounding temperature to maximize energy efficiency.*

THE RISK | THE SOLUTION

Why Ice Dams Are a Serious Problem

The Risk

Ice dams form when escaping heat melts roof snow, which then refreezes at the colder eaves. This ice ridge traps standing water that forces its way under shingles, leaking into your home and destroying interior spaces.

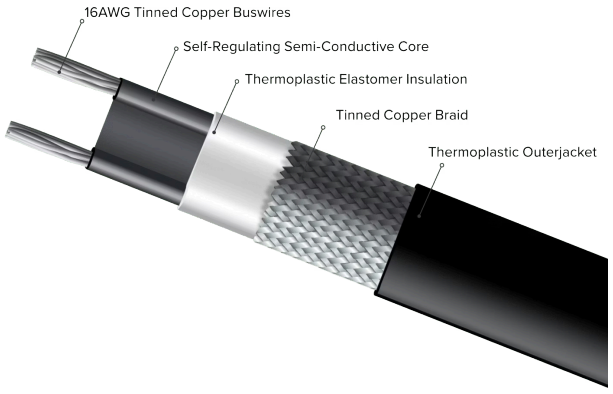
- **Traps standing water** on the roof edge
- **Seeps under shingles** to leak inside
- **Damages interior spaces**, walls, and insulation
- **Triggers costly repairs** and structural fixes

The Solution

The Ice Shield PRO Self-Regulating Deicing Cable is equipped with temperature and moisture sensors that automatically detect freezing conditions and begin melting snow and ice, creating a pathway for water to drain properly before damage occurs.

- **Activates automatically** via sensors
- **Creates clear drainage** channels
- **Prevents i**ce dam formation
- **Operates with high** energy efficiency

Product Specifications



Heating Cable

Dimensions & Electrical

Available Lengths	50', 100', 250', 500', 1,000'
Nominal Power Output	5 W/ft (at 50°F / 10°C)
Cable Cross Section	0.375" x 0.25"
Min. Bending Radius	1.125"
Voltages	120V, 240V
Connection Method	Hardwired
Bus Wire Gauge	16AWG
Min. Install Temp	0°F (-18°C)

Features

Self-Regulating Technology

Automatically fluctuates wattage per linear foot in response to outdoor temperature — maximizing efficiency and minimizing energy costs.

Waterproof Outer Jacket

Durable thermoplastic outer jacket protects the heating element in all outdoor conditions, year after year.

UL Listed & CSA Certified

Certified for outdoor use in both the U.S. and Canada, ensuring compliance with the highest safety standards.

10-Year Warranty

Backed by a comprehensive 10-year warranty, giving you long-term peace of mind on your investment.

PRODUCT PRICING

Cable Options & Pricing

Available in both 120V and 240V configurations across five lengths to suit any project size. All prices in CAD (MSRP).

Product Code	Voltage	Length	MSRP (CAD)
ET-SR-120-05-0050	120V	50'	$500
ET-SR-120-05-0100	120V	100'	$850
ET-SR-120-05-0250	120V	250'	$1,900
ET-SR-120-05-0500	120V	500'	$3,700
ET-SR-120-05-1000	120V	1,000'	$7,300
ET-SR-240-05-0050	240V	50'	$500
ET-SR-240-05-0100	240V	100'	$850
ET-SR-240-05-0250	240V	250'	$1,900
ET-SR-240-05-0500	240V	500'	$3,700
ET-SR-240-05-1000	240V	1,000'	$7,300

Note on Commercial Applications: *The 240V Ice Shield PRO heating cables are fully compatible with 208V and 277V applications. Please refer to the installation manual for maximum circuit lengths and power output adjustments when operating at these voltages.*

CIRCUIT LENGTHS | ACCESSORIES

Maximum Circuit Lengths

Use the table below to determine the maximum circuit length based on your breaker amperage and voltage. Minimum start-up temperature is **0°F (-18°C)**.

Amps	120V (ft)	208V (ft)	240V (ft)	277V (ft)
15A	140	268	285	311
20A	190	357	380	414
30A	270	508	540	589
40A	270	508	540	589

The 240V cable is compatible with commercial applications at 208V or 277V, offering greater flexibility for larger installations.

CONTROLS & ACCESSORIES

Controls & Accessories

Compatible Control Units

To achieve fully automated detection of moisture and freezing conditions, the cable must be paired with an external control unit.

- **Advanced Control (SCA-DUAL):** Provides advanced control of snow melting and roof & gutter deicing systems to minimize operating costs. (100-277VAC)
- **Premium Control (SCP-120):** Provides maximum control of a snow melting or roof & gutter deicing system.
- **Economy Control (SCE-120):** Provides for economical, automatic operation of snow melting or roof and gutter deicing systems.

Accessories

Power Connection Kit:	Includes End Seal Kit (JSR12) for a complete, weatherproof power connection to your heating cable circuit.
End Seal Termination Kit:	Required to safely terminate the end of a cut-to-length self-regulating cable. (Part JSR12)
Plug-in Conversion Kit:	Includes GFEP protection and End-Seal Kit for self-regulating heating cable. Maximum 140’ length at 120V.
Aluminum 3-Prong Clips:	Attach to asphalt shingles, metal gutters, and roofs. Sold in packages of 25 for easy installation.
Double-Sided Tape Pads:	For use with AL-CL clips. Sold in packages of 25 to provide secure adhesion on a variety of surfaces.
1-Quart Primer:	Adheres clips to EPDM or rubber roofing surfaces, ensuring a reliable hold in challenging roof materials.

INSTALLATION STEPS | GUIDELINES

4 Simple Steps to Install

1 Cut to Length

Cut the heating cable to the proper length if necessary. This can be done before or after the cable is placed on the roof.

2 Attach with Roof Clips

Use roof clips to attach the heating cable to the roof, gutter, and downspouts per your custom SmartPlan layout.

3 Install End Seals & Power Connection

Install end seals and power connection before turning on the power. Use only weatherproof junction boxes approved for wet locations.

4 Power On & Test

Turn the circuit breaker on to provide power to the cable. Standing water in the gutter should feel warm within one hour.

Installation Guidelines

Clip Placement

- Use roof clips to attach the heating cable to the roof — 5 clips per each triangle.
- When attaching cable in the gutter, use clips every 10 feet.
- Add clips before and after each downspout.

Roof Valleys

- Run the heating cable two-thirds of the distance up and down the valley.
- Add the additional valley length to the overall cable length calculation.

⚠ A 30mA trip type GFPE ground-fault protection breaker is required for each heater circuit. This must be installed by a qualified electrician.

- Protect heating cable ends from moisture or mechanical damage before connection.
- Do not run a power lead or sensor wire across a heating cable.
- Do not fold or overlap the heating cable — this could cause dangerous overheating.
- Field-assembled end terminations must not be located where standing moisture is present or at the lowest point of downspouts.

ORDER INFORMATION

How to Order — It's Easy!

Draw a sketch of your project and we'll do the rest! WarmlyYours' skilled engineers will create a free custom installation plan based on your drawing.

Step 1: Sketch Your Roof

Draw a sketch of the roof and gutter area you want to heat, including all dimensions.

Step 2: Send to WarmlyYours

Email your sketch to **sales@warmlyyours.com**. Our engineers will create your free SmartPlan — typically within 1 business day.

Step 3: Verify & Order

Review your SmartPlan, verify the correct dimensions, and place your order with your WarmlyYours account manager.

Your free SmartPlan custom installation plan is typically delivered in as little as 1 business day — no obligation to purchase.

Request a quote | Contact Us