



HEAT CABLE BY ROOF GUTTER NOW

LEADING INSTALLER OF PREMIUM ICE DAM PREVENTION SYSTEMS



Why we're your guy...

Here are a few things that set Roof Gutter Now apart from the competition:

350+

When you choose to go with Roof Gutter Now you aren't just going with any company... You are going with a company that puts your satisfaction and needs as ur first priority, we have over 350+ reviews online and strive to bring the best of the best in the industry.

10

Year warranty. Roof Gutter Now uses the most innovative, high-quality heat cable system in North America. Heat Tape Pro™ is a premium, heavy-duty self-regulating heat cable surrounded by an ecosystem of the most innovative, roof-safe installation accessories in the world. Ask our competitors about the system they are installing.

#1

Company to call. We know what we are doing on work you really, really need to be reliable. We have great communication and more reviews and feedback than any contractor in Ohio for a reason. Check out our online reviews. Your neighbors are saying nice things.

Client Name:		Date:	
Project Address:		City:	
Description:			



Please initial next to each line item you would like to have us perform

Heat Cable Estimate: Area Breakdown					
	Cost	Cable Footage	Reference Drawing	Description	Initials
1.	\$				
2.	\$				
3.	\$				
4.	\$				
5.	\$				
6.	\$				
7.	\$				
Notes: We have assumed installation before winter conditions exist. If we discover unforeseen conditions during the course of our work that affects the feasibility of our proposal, we will notify you immediately as to any scope or price implications.					
Exclusions: We have not included the cost of hardwiring cables into new or existing junction boxes or any modifications to existing electrical system.					

MECHANICS LIEN RIGHTS NOTIFICATION:
 A) PERSON OR COMPANIES FURNISHING LABOR OR MATERIALS FOR THE IMPROVEMENT MAY ENFORCE A LIEN UPON THE IMPROVED LAND IF THEY ARE NOT PAID FOR THEIR CONTRIBUTIONS, EVEN IF THE PARTIES HAVE NO DIRECT CONTRACTUAL RELATIONSHIP WITH THE OWNER.
 B) MINNESOTA LAW PERMITS THE OWNER TO WITHHOLD FROM HIS CONTRACTOR AS MUCH OF THE CONTRACT PRICE AS MAY BE NECESSARY TO MEET THE DEMANDS OF ALL OTHER LIEN CLAIMANTS, PAY DIRECTLY THE LIENS AND DEDUCT THE COST OF THEM FROM THE CONTRACT PRICE, OR WITHHOLD AMOUNTS FROM HIS CONTRACTOR UNTIL THE EXPIRATION OF 120 DAYS FROM THE COMPLETION OF THE IMPROVEMENT UNLESS THE CONTRACTOR FURNISHES TO THE OWNER WAIVERS OF CLAIMS FOR MECHANICS' LIENS SIGNED BY PERSONS WHO FURNISH ANY LABOR OR MATERIAL FOR THE IMPROVEMENT AND WHO PROVIDED THE OWNER WITH TIMELY NOTICE.

Acceptance of Agreement

The above work is to be completed for the sum of _____ (Including Taxes), with payments to be made as follows: 50% down, 50% upon completion of work. I have read and understand this document including all terms and conditions. I understand and accept all terms and conditions as stipulated. Roof Gutter Now LLC. is authorized to perform the work as outlined.

Accepted By: _____ Rep: _____
 Date: _____ Date: _____

ACCESSORY SPECIFICATIONS

Roof-Safe Accessories By Radiant Solutions Company



Parts and Accessories Included in Your Estimate

Roof Gutter Now is proud to install your ice dam prevention system using the patented line of Roof-Safe accessories made by Radiant Solutions Company. These products were developed to protect the integrity of your existing exterior materials (i.e., roofing, flashings, gutters, etc.) while providing robust anchoring points for your cable system. We have assumed the use of the following accessories on your project (checked boxes):

<input type="checkbox"/> 	<p>Nail-Free Roof Clip: Grip Clip™ 325 The worlds only nail-free clip for securing self-regulating heat cable to sloped roofing ranging in thickness from 1/8" to 3/8"</p>	<input type="checkbox"/> 	<p>Nail-On Roof Clip: IDC-113 Traditional nail-on roof clip used for securing heat cable to a variety of surfaces where other options are not available. Anodized Aluminum Finish.</p>
<input type="checkbox"/> 	<p>Nail-Free Roof Clip: Grip Clip™ 625 The worlds only nail-free clip for securing self-regulating heat cable to sloped roofing ranging in thickness from 3/8" to 5/8"</p>	<input type="checkbox"/> 	<p>Corrugated Roof Clip with Butyl Pad: JS-222 The worlds only clip for securing self-regulating heat cable to a wide variety of corrugated and paneled-seam metal roof systems</p>
<input type="checkbox"/> 	<p>Nail-Free Roof Clip: Grip Clip™ 875 The worlds only nail-free clip for securing self-regulating heat cable to sloped roofing ranging in thickness from 5/8" to 3/4"</p>	<input type="checkbox"/> 	<p>S5-SR: Clip for S5 Roof Clamp Series Clip for use with the S5 standing seam metal roof clamp family. Fits on any S5 roof clamp. Secures heat cable to S5 clamps for heavy-duty performance.</p>
<input type="checkbox"/> 	<p>Multi-Purpose Clip: MPC-325 Nail-free clip for special circumstances such as tight areas, flashing edges and locations where standard Grip Clips™ will not fit.</p>	<input type="checkbox"/> 	<p>SSS Standing Seam Roof Clamp Clamp for securing heat cable to standing seam metal roof systems. Fastener-Free. Heavy duty. Installs on seams up to 1/2" wide.</p>
<input type="checkbox"/> 	<p>StickyClip™: 3M Self-Adhesive Roof Clip The worlds only cable clip employing 3M VHB adhesive technology. Used to secure cable to any smooth surface including rubber and metal.</p>	<input type="checkbox"/> 	<p>Cable Guard: Heat Cable Protection Strip Protects heat cable from damage relating to sharp edges and points. Often used to protect cable at downspout entry and exit locations.</p>
<input type="checkbox"/> 	<p>SB-190: Super Adhesive Uses for securing heat cable clips to a wide variety of surfaces with unparalleled holding power. SB-190 is the gold standard in the industry.</p>	<input type="checkbox"/> 	<p>Cable Separator: Used to separate heat cables in areas such as inside gutters or across flat surfaces including rubber membranes and metal roofing.</p>
<input type="checkbox"/> 	<p>Jumbo Glue-Down Clip: DDK-719-2 200% more holding power than traditional glue-down clips. Used to secure cable to any smooth surface including rubber and metal without screws.</p>	<input type="checkbox"/> 	<p>Downspout Hanger: Used to protect heat cable against damage where cable drops into downspouts in the gutter system. Secured with UV-resistant zip ties for longevity.</p>
<input type="checkbox"/> 	<p>Butyl Pads: MKS-1022 Synthetic rubber pads used to prevent water intrusion around mechanically fastened clips that use nails or screws for installation.</p>	<input type="checkbox"/> 	<p>Standing Seam Saddle Clip: GVG Series Used to secure heat cable to traditional standing seam metal roofs. Screwed into standing seam and sealed with either butyl rubber or caulk.</p>

Note: The exact combination and quantities of the above-specified accessories may be changed during the installation process according to judgements made in the field by our technicians.

HEAT CABLE SPECIFICATIONS

HEAT TAPE PRO™ CABLE CHARACTERISTICS



Heat Cable Included in Your Estimate

We are proud to install the finest heat cable available in North America. Made by Radiant Solutions Company, the Heat Tape Pro™ Ice Dam Prevention system will provide many years of reliable service. We have assumed the use of this cable on your project (checked boxes, right):

Heat Tape Pro™ Specifications

Cable construction:	Self-regulating	
Rated voltage:	120V, 208V-240V	
Lengths:	6 ft to 150 ft	
Bending radius (min.):	0.8 in @ 5°F (-15°C)	
Cable dimensions:	6 mm thick x 12 mm wide	
Min. circuit size:	15 amp	
Max. exposure temp*:	185°F (85°C)	
Min. install temp.:	5°F (-15°C)	
Power cord:	3-wire 14 + lit plug	
Bus wires:	16 gauge AWG	(A)
Conductor insulation:	Self-regulating conductive core	(B)
Inner jacket:	Modified Polyolefin	(C)
Braid:	Tinned copper	(D)
Outer jacket:	TPE	(E)



FAQ's about Self-Regulating Heat Cable

What Does Self-Regulating Mean?

'Self-regulating' refers to the fact that this type of cable changes its operating temperature depending on the temperature of its surrounding environment. In colder temperatures, the cable asks for more power and generates more heat. The opposite is true as temperatures increase. This self-regulation results in less energy consumption compared with non-self-regulating heating cables.

Do Self-Regulating Cables Turn Themselves On and Off?

No. Self-regulating heat cables will still consume power whenever they are energized. They will, however, consume very little power in warm temperatures compared to cold temperatures. You should de-energize your cable system seasonally when freezing conditions are not likely to reoccur. There are also a variety of thermostats and controls to we can add to your system. Please let us know if that is of interest.

How Does Self-Regulating Cable Work?

The two main wires in the cable are embedded into a special carbon-infused polymer core that contracts in colder temperatures and expands in warmer temperatures. As this contraction occurs, the two main wires are drawn closer together, allowing more electrical power to move through the polymer core and generate more heat output. Smart stuff.



HeatTape PRO

Pre-Assembled, Plug-In Ready Self-Regulating Heat Cable



Pre-terminated, 12mm premium self-regulating heat cable, 120 volt, 6 watts/foot @ 50°F



HeatTape PRO

Custom Length Self-Regulating Heat Cable



120 volt, 6 watts/foot @ 50°F, 12mm premium self-regulating heat cable



240 volt, 6 watts/foot @ 50°F, 12mm premium self-regulating heat cable



240 volt, 8 watts/foot @ 50°F, 12mm premium self-regulating heat cable



Pre-terminated, 12mm premium self-regulating heat cable, cut to length, field assembled with UL-Listed Connection Kits (specified, right)



UL-Listed Connection Kits

FOR FIELD-INSTALLED SELF-REGULATING HEAT CABLES



The TSK-723 is a tee or splice connection kit for self-regulating heating cables.



PPK-319 is a GFI equipped, plug-in power connection kit for use with self-regulating heating cables.



ESK-215 is a heavy-duty end seal kit to terminate self-regulating heating cables.



HCK-M-1 is a kit for hard wiring self-regulating heating cables into junction boxes.

USER GUIDE

UNDERSTANDING YOUR ROOF GUTTER NOW HEAT CABLE SYSTEM



Heat Tape Pro™ Troubleshooting Guide

It is incredibly rare for Heat Tape Pro™ to experience failures as the result of manufacturing defects. Cable performance issues are almost exclusively related to damage caused by animals (unusual) or people (more common) or failure to follow guidelines relating to system start-up temperatures. If you are experiencing any problems, here are some handy tips for diagnosing common problems along with the suggested solutions. Please run through this guide before calling for technical support as there may be trip charges involved if our technician visits your home to fix issues that are not related to either workmanship or product defects.

Issue	Possible Causes	Remedies
Cable not generating heat	No power	A. Check for tripped circuit breaker B. Test outlet with circuit tester C. Check for tripped GFCI or faulty outlet
Circuit breaker tripping	Circuit is overloaded	A. Remove other devices from circuit B. Reduce footage of cable on circuit C. Power up cable when temperatures are above freezing
	Short circuit	A. Check entire cable for damage; Repair or replace cable B. Check circuit for damage; Repair as needed

Annual Owners Checklist

Here are a some simple tips for keeping your new Heat Tape Pro™ Ice Dam Prevention System operating reliably for many years.

- Perform a visual inspection of cable to find damage done by animals, or people. Inform us if you find damage. We will help you repair your system.
- Energize your system a few weeks before you expect freezing temperatures. Feel the cable after ten minutes. If the cable is NOT warm, review the trouble shooting guide in the Heat Tape Pro™ manual. If the cable is still not warming up after that, contact us. We can help.
- Inform anyone working near your cable system of its presence. Workers can inadvertently damage heat cable systems while performing tasks such as lawn maintenance, gutter cleaning and roof shoveling.
- If your cable is exposed near the bottom of a downspout, make sure the cable is not abused by foot traffic or maintenace activites like lawn services. This is a common place for cable damage to occur.

Wattage Chart

This chart below displays the number of feet of Heat Tape Pro that can be installed on given circuit and the amperage draw at different start-up temperatures. The colder the outdoor temperatures, the more amps the cable demands. For example, you can install up to 150 feet of 120 volt Heat Tape Pro cable on a 15 amp circuit without tripping that circuit if the system is turned on at 32°F or warmer. You should always energize your cable system before temperatures drop below 32°F in order to stay ahead of any accumulating snow and ice in the installation area and minimize the likelihood of circuit breaker 'nuisance tripping'.

Heat Tape Pro Cable Start-Up Temperature		120V		240V	
		15 Amp	15 Amp	20 Amp	20 Amp
50°F	10°C	175 Ft	349Ft	465Ft	
32°F	0°C	150 Ft	295Ft	394Ft	
-0°F	-18°C	113 Ft	226Ft	301Ft	
-20°F	-29°C	99Ft	198Ft	264Ft	
-40°F	-40°C.	88 Ft	176 Ft	235 Ft	

Roof Shoveling

If you intend on shoveling your roof in areas where heat cable is installed be sure to not touch the cable system with the shovel as this can in rare circumstances damage the cable.

Warning: Cable systems that are energized when it is below freezing and/or when they are covered with snow or ice can trip circuits. Energize your system before these conditions exist!

Roof Gutter Now Terms & Conditions

Electrical

Our proposal includes the installation of heat cable and all associated system components. You will need to use a licensed electrician for that work. The energy required by heat cable systems varies from project to project and area to area. Unless otherwise stated, we are not including any changes or upgrades to your existing electrical system, including the modification to or addition of any circuits or panels. We have run the basic wattage calculations on the heat cable system we have designed for your building with certain assumptions about your existing electrical system. Ultimately we are not responsible for any modifications or improvements to your electrical system as required by the addition of the heat cable system(s) unless specifically stated in this proposal.

Footage Estimates

Our estimate for the cost of your heat cable system based on the linear feet of cable we install. We have provided estimates for the footage required to address each area of your project. If there is a meaningful shift in the number of feet actually used, as in the case where you decide to delete an area or add an area, you will be credited or charged accordingly. We will notify you in advance if any extra changes appear likely during the course of your job.

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 national electrical codes, 30-mA equipment or 5-mA personnel ground-fault protection must be used on each heating cable branch circuit. Arcing may not be stopped by conventional circuit protection. We have

not included any electrical work in our proposal unless specifically noted.

System Operation

We are responsible for the installation and initial start-up and testing of your heat cable system. You are responsible for its basic maintenance and operation thereafter. It is imperative to check the operation of your heat cable system during the most critical winter months to ensure it is performing as expected.

System Damage

Your new heat cable system will last for many years without maintenance. Please note that heat cable systems are vulnerable to damage through a variety of means. Never allow anyone to shovel snow or roof rake around a heat cable system. It is also possible to damage heat cables by walking on them or manipulating them while working on the roof or gutters. Roof Gutter Now LLC. is not responsible for any mechanical damage or resulting system failure relating to such activities.

Diagnostic Inspection Policy

Our diagnostic inspections will be done FREE of charge if it is determined that: 1) The heat cable has failed due to a manufacturing issue with the heat cable we provided, or, 2) The issue occurred as the result of our failed workmanship. If it is determined that the cable system is not operating properly as the result of ANY other cause, you will be charged our standard rate of \$250 (job minimum) plus \$90/man/hour for time spent performing the inspection, plus material cost to fix the problem. Please note that we are not licensed electricians and are not allowed

to make adjustments to your electrical system. Job minimums and labor charges will also apply for system adjustments, as in the case of re-installation after roofing.

General Notes

Upon your request we will provide a lien waiver upon completion of this work and receipt of final payment. Roof Gutter Now LLC. is not responsible for the reoccurrence of ice dams or ice accumulations on your roof, in your gutters or at any other location or surface around your building after your heat cable system has been installed and tested for proper function. Please understand that heat cables do not eliminate all ice accumulations in gutters. Debris management systems such as screens and covers can affect the performance heat cable and gutter systems. We are not responsible for any issues relating to gutter covers/screens as it relates to the installation of your heat cable system. Roof Gutter Now LLC. warrants that the work performed under this agreement shall be performed in a workmanlike manner. If our work fails as a result of faulty workmanship within FIVE years from the date of work completion, Gutter Now LLC. has exclusive liability of the repair or replacement. Any damages as the result of ice build-up, ice damming, or condensation is not covered under this warranty. In order to obtain the warranty coverage provided in this paragraph, Customer must inform Roof Gutter Now LLC. in writing that the work has failed within sixty days after Customer has discovered or should conceivably have discovered the failure of the work. There are no implied warranties of merchantability or fitness for a particular purpose applicable to this transaction. All express or implied warranties except those provided in this agreement and available under Minnesota Stat. Section 327A.02 are excluded from this transaction and shall not apply to the labor provided under this agreement. Roof Gutter Now LLC. shall not be liable for special, incidental, indirect or other similar damages arising from breach of warranty. Under no circumstances will Roof Gutter Now LLC. be liable or responsible in any fashion for damages growing out of or owing to any delay of any kind in the performance of the work described in this agreement.

THESE TERMS AND CONDITIONS SHALL CONSTITUTE THE FINAL, COMPLETE AND EXCLUSIVE AGREEMENT OF THE PARTIES WITH RESPECT TO THE SUBJECT MATTER HEREIN, AND SHALL SUPERSEDE ALL PRIOR OFFERS, PURCHASE ORDER(S), NEGOTIATIONS, UNDERSTANDINGS AND AGREEMENTS. IN THE EVENT GUTTER NOW NEEDS TO INITIATE LEGAL ACTION AGAINST CUSTOMER TO COLLECT ANY OUTSTANDING AMOUNTS DUE AND OWING FOR SERVICES RENDERED, SUPPLIES OR MATERIALS, CUSTOMER AGREES TO BE RESPONSIBLE FOR AND INDEMNIFY ROOF GUTTER NOW FOR ANY AND ALL ATTORNEY FEES, COST AND DISBURSEMENTS IN CONNECTION WITH COLLECTION EFFORTS IF A CONTRACT IS TERMINATED BY CUSTOMER FOLLOWING THE CUSTOMERS EXECUTED AGREEMENT, CUSTOMER SHALL BE LIABLE FOR AND AGREES TO PAY GUTTER NOW 15% OF CONTRACT PRICE FOR LIQUIDATED DAMAGES AND OR ADMINISTRATIVE EXPENSES.

LIMITATION OR LIABILITY: ROOF GUTTER NOW SHALL NOT BE RESPONSIBLE OR OTHERWISE LIABLE TO THE HOMEOWNER OR ANY OTHER PERSON UNDER ANY CIRCUMSTANCES FOR ANY EXPENSE OR COMPENSATORY, SPECIAL, GENERAL, CONSEQUENTIAL, INCIDENTAL, PUNITIVE OR EXEMPLARY DAMAGES ARISING OUT OF OR IN ANY WAY CONNECTED WITH THIS AGREEMENT, INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR PERSONAL INJURY, LOST PROFITS, LOSS OF USE, OR FOR ANY DAMAGES OR SUMS PAID BY THE HOMEOWNER TO THIRD PARTIES, EVEN IF ROOF GUTTER NOW HAS BEEN ADVISED OF POSSIBILITY OF SUCH DAMAGES. THE FOREGOING LIMITATION OF LIABILITY SHALL APPLY WHETHER ANY CLAIM IS BASED UPON, AMONG OTHERS, PRINCIPLES OF CONTRACT, WARRANTY, NEGLIGENCE OR OTHER TORT, BREACH OF ANY STATUTORY OR COMMON LAW DUTY, PRINCIPLES OF INDEMNITY OR CONTRIBUTION OR THE FAILURE OF ANY LIMITED OR EXCLUSIVE REMEDY TO ACHIEVE ITS ESSENTIAL PURPOSE. ., A) PERSON OR COMPANIES FURNISHING LABOR OR MATERIALS FOR THE IMPROVEMENT MAY ENFORCE A LIEN UPON THE IMPROVED LAND IF THEY ARE NOT PAID FOR THEIR CONTRIBUTIONS, EVEN IF THE PARTIES HAVE NO DIRECT CONTRACTUAL RELATIONSHIP WITH THE OWNER.

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