

# SnoTrace™

Systems for Snow and Ice Melting



**The Heat Tracing Specialists®**

Commercial Products

## Surface Heating

Thermon offers the most advanced line of electric snow and ice melting systems available . . . anywhere!

Prevention of snow accumulation and ice formation is an annual concern at any facility located within the Snow Belt. Thermon has developed effective, reliable snow melting and deicing systems able to withstand the rough treatment associated with pouring concrete or laying asphalt.

When the needs of a project call for access to the facility, even during adverse weather, engineers call on Thermon for the most reliable line of snow melting and deicing equipment available. Be it a hospital emergency entrance, train loading platform or traction surface for a people mover, Thermon can design a system to meet the needs of the project.



## SnoTrace™ KSR™ Self-Regulating Heating Cables

Self-regulating heating cables have become the industry standard for snow and ice melting systems. Thermon's KSR cables are high performance heating cables with cut-to-length parallel circuitry, easily adapted to variations in design found at the jobsite. KSR cables are specifically designed for direct burial in concrete and can even withstand the higher temperatures found with asphalt installations.

Designing a SnoTrace KSR system is easy with the Thermon Design Guide. Simply determine the area requiring snow and ice melting and decide what level of protection is required. Establishing circuit layouts and power connection points is also easy.

Thermon has a variety of other snow and ice melting options. Contact Thermon for recommendations on these applications.



## SnoTrac™ Skin Effect Heating Systems

Based on skin effect heating technology, a SnoTrac system utilizes a rugged, thick-walled ferromagnetic "heat tube" to melt snow and ice. This heat tube, embedded in concrete or asphalt, utilizes a custom SnoTrac conductor to safely deliver energy into the system. A truly unique feature of a SnoTrac system is its ability to provide snow melting to extremely large areas with a minimal number of circuits.

Each SnoTrac system is engineered by Thermon for the application. Heat tracing materials, power distribution and control, plus detailed installation and operation instructions, are provided. Thermon also offers turnkey SnoTrac systems guaranteeing system performance.



## Roof and Gutter Protection

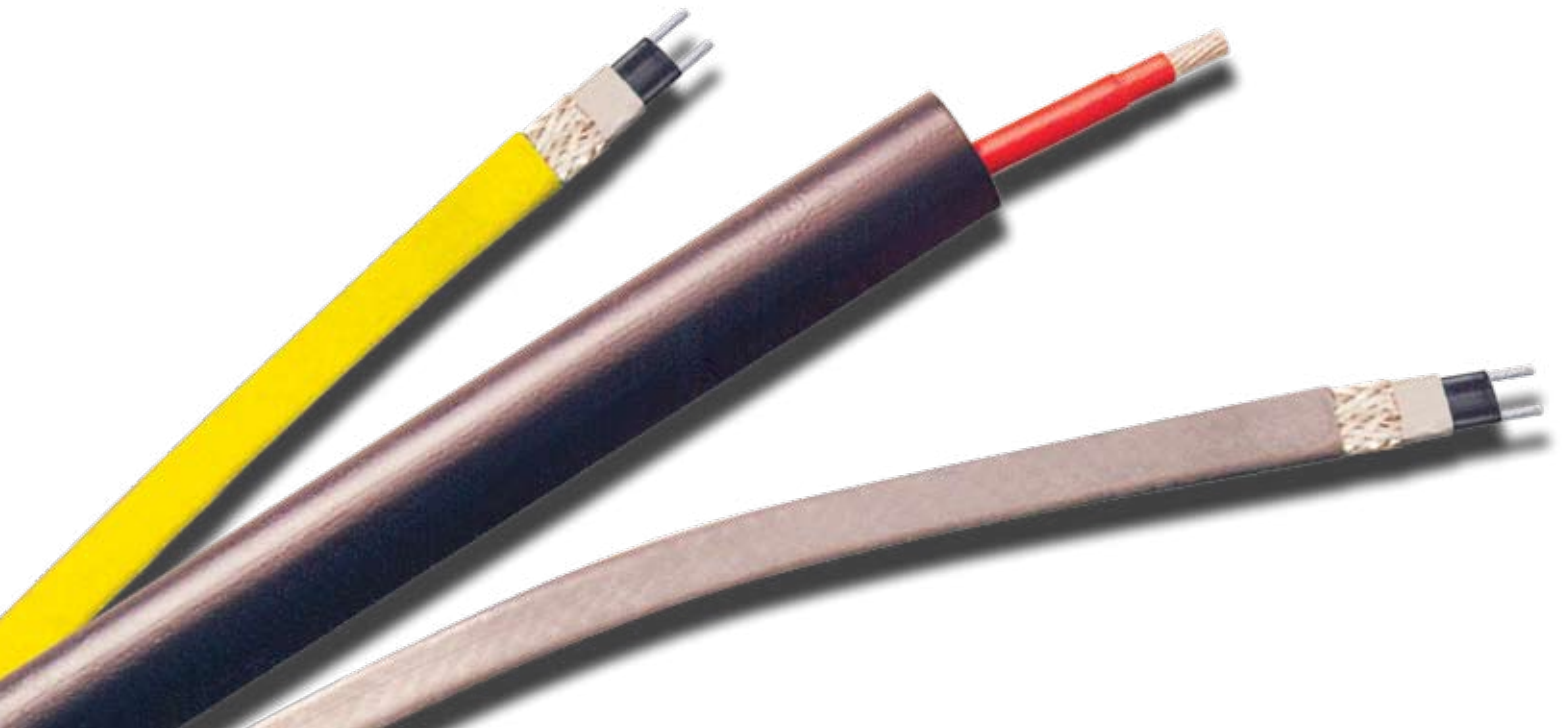
As water attempts to drain from a roof, any blockage that prevents its prompt removal can cause it to back up under the roofing material and even into the walls of a structure. If this happens, repair costs can be significant.

If gutters and downspouts are blocked by ice, there is no place for the melting snow to go. As a result, melting snow and ice on the roof refreezes in the form of icicles at the roof overhangs and gutters. These icicles frequently grow and can become ice spears threatening pedestrians below.

## SnoTrace™ RGS™ Self-Regulating Heating Cables

Avoiding the possibility of property damage and ensuring a safe environment can be accomplished with Thermon's RGS self-regulating electric heat tracing cables and accessories. UL Listed and CSA approved specifically for the application, RGS roof and gutter cables include a robust UV stabilized outer jacket extruded over a metallic grounding braid.

As a radiation cross-linked, self-regulating heating cable, RGS varies its output based on operating conditions. When surrounded by snow or ice, RGS generates more heat to provide a clear path for water runoff to pass from the roof through the gutters and downspouts to safe drainage points. When exposed to dry air, the RGS output decreases to reduce energy consumption.



## Other Products

Thermon offers additional cut-to-length cables or complete turnkey systems for the following applications:

- Hot Water Temperature Maintenance
- Pipe Heating
- Freezer Floor Frost Heave Protection
- Tank and Hopper Heating
- Control and Monitoring Systems



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