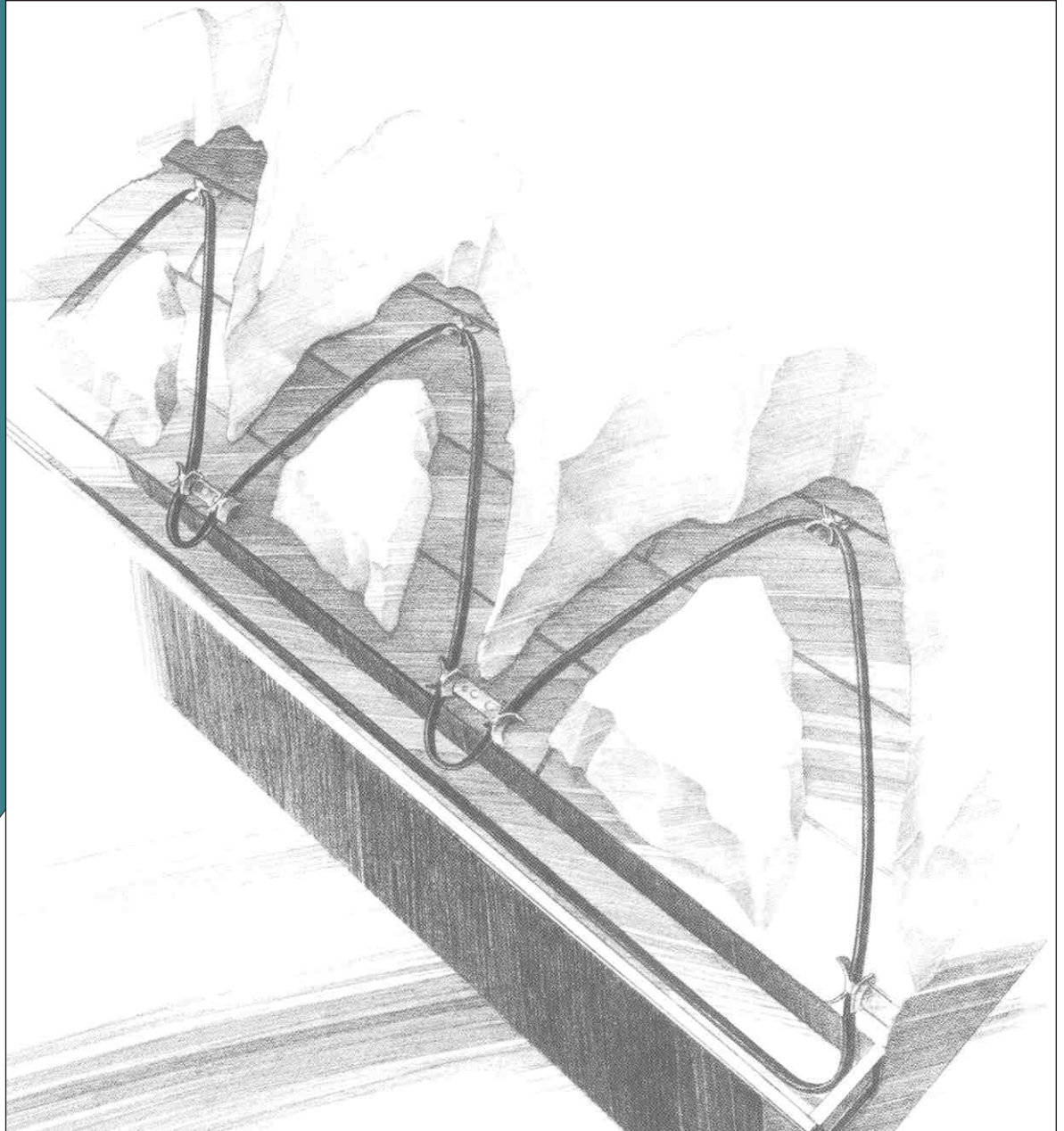


**IceStop™ System
Application Guide**

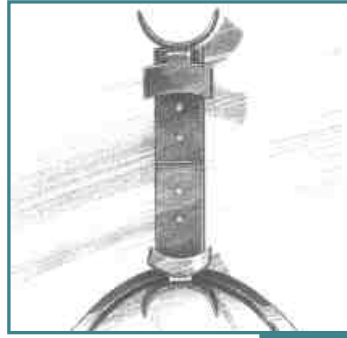


Self-Regulating protection
from ice and snow.



IceStop System

Install roof clips at the width and height distances specified in the design guidelines. Run the heating cable through the clips. You can use clips to enter it into the gutter or to rout it around sharp edges, abrasive surfaces or other hazards that could cause mechanical damage.



Extend the bottom of the heating cable loops into the gutter.

Protect valleys with a loop of heating cable placed high enough to clear the overhang.

Place a barrier, such as a snow fence, above the heating cable to prevent damage from snow slides.

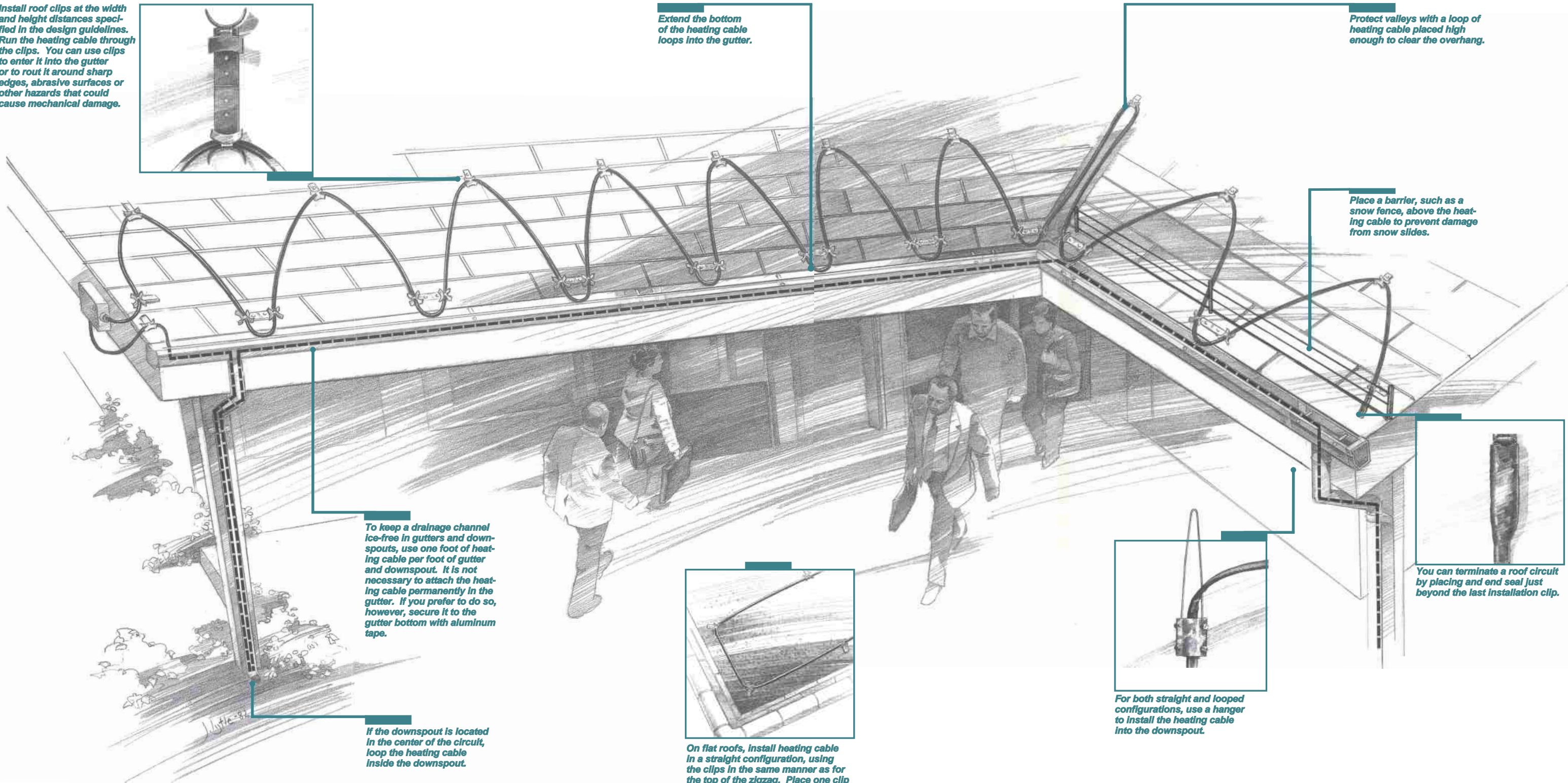
To keep a drainage channel ice-free in gutters and downspouts, use one foot of heating cable per foot of gutter and downspout. It is not necessary to attach the heating cable permanently in the gutter. If you prefer to do so, however, secure it to the gutter bottom with aluminum tape.

If the downspout is located in the center of the circuit, loop the heating cable inside the downspout.

On flat roofs, install heating cable in a straight configuration, using the clips in the same manner as for the top of the zigzag. Place one clip every three feet.

You can terminate a roof circuit by placing an end seal just beyond the last installation clip.

For both straight and looped configurations, use a hanger to install the heating cable into the downspout.



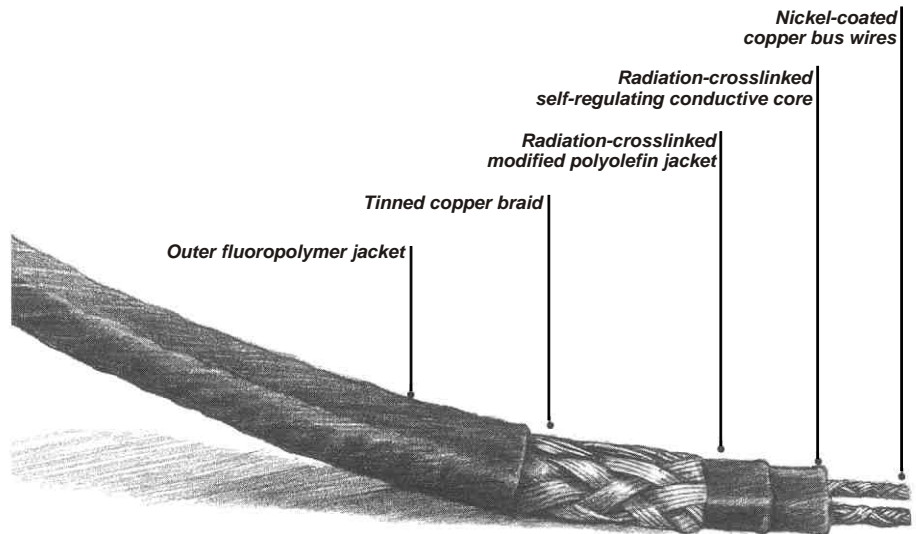
IceStop System

The temperature-sensitive core of the Raychem IceStop self-regulating heating cable consists of specially blended polymers and current-conducting carbon extruded between two parallel copper bus-wires,

At low temperatures, the carbon particles are close together, allowing electrical current to flow through the core from one conductor to the other, generating heat. As the temperature rises, the core expands and interrupts the carbon network, increasing electrical resistance, reducing current flow, and decreasing heat output.

This continuous process occurs automatically and independently at each point, allowing IceStop heating cable to supply heat where and when needed.

Parallel circuitry and self-regulation make the difference



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Versatile

Because it's self-regulating and can't overheat, IceStop heating cable can be applied on all gutter and roof materials, including wood, plastic, and asphalt. It can be installed at temperatures as low as 40°F and used at 120, 208, 220, 240, or 277 Vac without design changes or transformers.

Reliable

The rugged Raychem IceStop system offers long product life with minimum system maintenance. The heating cable can be bent, overlapped, spirited, or closely spaced without overheating. Thin, flat, and flexible, it conforms to any roofing surface for efficient heat transfer. The product withstands abuse during installation and operation and retains its mechanical properties by resisting sunlight.

Energy-saving

The IceStop system reduces energy waste, by automatically increasing heat output as ice and snow develop and by decreasing output as they melt...supplying heat only when and where needed.

Cost-effective

Now you can estimate labor costs with confidence...and savings. The IceStop system speeds installation while it reduces errors, delays, and wasted product. Because of its parallel-circuit design, IceStop heating cable can be cut to the proper length at the job site without affecting heat output per foot.

Easy to use

Raychem's IceStop system does not require thermostatic controls.* In addition, a special end seal terminates the heating cable, eliminating the need for loop circuits. IceStop cable can be quickly and easily repaired if damaged.

*If automatic control is desired, Raychem offers a simple ambient-sensing thermostat.



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