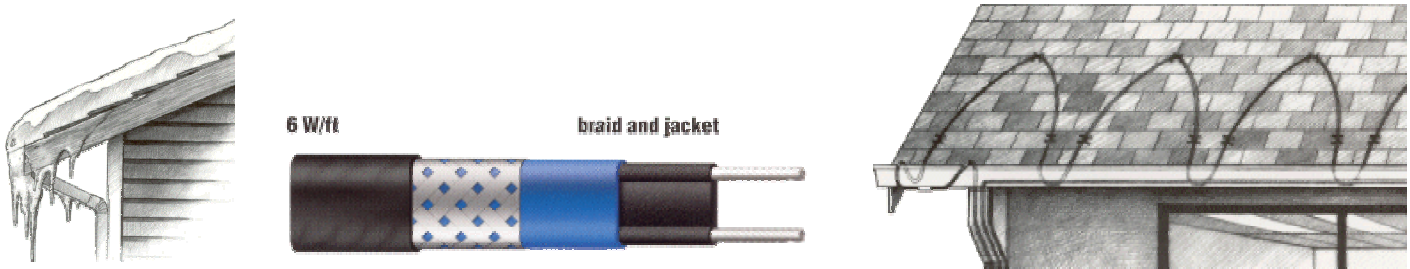


# WinterGard Plus Heat Tape for Roof & Gutter Deicing

WinterGard Wet heat tape is designed for use at 120V using 6 watts per foot in a length as long as 150' of heat tape for roof and gutter deicing. The jacketing over the metal braid is to protect against water damage, allowing you to install this in wet locations. Depending on the temperature you must protect against, the following information applies. WinterGard Wet is designed to keep ice and snow from building up along the edge of your roof and in gutters and down spouts.



WinterGard WET 120V 6 watt per foot heat tape is used to keep snow and ice from building up on eave troughs and roof edges.

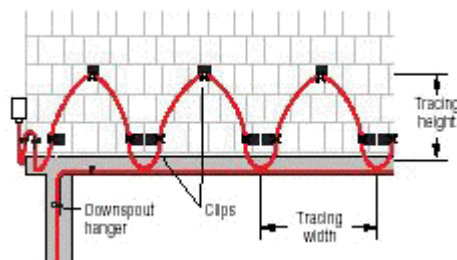
## How to design your roof and gutter deicing system:

Calculate the length of heat tape needed. Take the number of feet of roof edge times the figure from the chart below. Add the total length of the gutter and down spout. Add 1' for the power connector.

**Example:** Overhang of 12", roof edge of 70' with 40' gutter and 15' of down spout. The 12" overhang calls for 2' of roof heating tape cable for every foot of roof edge, so  $70' \times 2 = 140'$  plus 40' for the gutter length, equals 180' of roof heating cable, plus 15' of down spout equals 195'. Since we are over the maximum length allowed on one circuit, we must split this into 2 heating circuits. Assuming your system will start protecting when the temperature drops below 40 degrees F, we can make one roof heat cable on a 20 amp breaker circuit, and the second roof heat cable on a 15 amp breaker circuit. The roof edge calculated to 140' of roof heating cable plus 1' for the power connection, so we will make this the 20 amp circuit which could have been a maximum of 150' in total cable length. The second heating tape cable can be on a 15 amp circuit because it is shorter than 125', since the gutter is 40', plus 15' of down spout, and 1' for the power connector plus 3' for a tee splice for a down spout, or a total of 59' of gutter and down spout heating tape cable.

The Maximum run at 40 degrees F start up temperature is 150' on a 20 amp circuit, and 125' on a 15 amp circuit.

## WinterGard Wet Cable Length for Roof Deicing



Roof Overhang	Tracing Width	Tracing Height	Feet of Heating Cable per foot of roof edge
12" Eave	2' between loops	18" up from edge	2' per foot of edge
24" Eave	2' between loops	30" up from edge	3' per foot of edge
36" Eave	2' between loops	42" up from edge	4' per foot of edge