



HeatDefender Gutter Applications (All Cable Configurations) Installation Instructions

ROOF TYPES

- Gutter Applications
 - <6" wide gutter - Use HS-700, 3.125" wide base and cover (1-2 cable runs)
 - >6" wide gutter - Use HS-800, 5" wide base and cover (1-3 cable runs)

LAYOUT

- HeatDefender should be installed inside gutter with applicable number of runs of heat trace cables inserted into base extrusion.
- Heat trace cable should continue into gutter system downspout to maintain a continuous path for meltwater. If downspout continues underground, heating cable should extend below frost line.
- HS-800 or HS-700 base does not need to be attached to the gutter. In high-wind areas, an adhesive recommended by the heat trace cable manufacturer may be used.
- When installing HeatDefender, consider the heat cable's minimum radius and space components to avoid damaging the heating cable.

INSTALLATION

1. Measure length of gutter where heat cable will be used.
2. Based on gutter measurement, calculate number of sections of HeatDefender cable concealer needed, and cut the HS-800 or HS-700 base and cover to meet the length requirements.
3. Place HS-800 or HS-700 base into gutter.
4. Run the heat cable through the base extrusion when the HS-800 or HS-700 base is in place. Lift the base to firmly press the cable into the channel(s) without damaging the gutter.
5. When heat cable is correctly set in base, test for power.
6. Once power is confirmed, align the cover with the base and press both components together until they snap closed.
7. If wind uplift is a concern, an adhesive approved by the heat cable manufacturer for metal roofing can be applied to the base and adhered to the gutter. **Note:** If using adhesive, gutter interior surface must be clean and free of debris.
8. Continue running cable into downspout with a turnaround and termination at the cable end.
9. Connect the remaining end of the heating cable to the control unit.
10. Plug in the control unit.