



YOUR SAFETY IS IMPORTANT TO US

This guide contains instructions regarding safety as well as precautions to take to ensure a compliant and successful installation. Please pay special attention to this symbol and follow any instruction given.



Pre-assembled, self-regulating heating cables for pipes, roofs, gutters and downspouts 120V plug-in – 240V hard-wired

Congratulations, you are now a Pr*tecTHERM system owner! Please read and save these instructions. Read carefully before attempting to assemble, install, operate or maintain your Pr*tecTHERM™ system. Protect yourself and others by observing all safety information. Failure to comply with instructions could result in personal injury and/or property damage! Retain instructions for future reference.



Description

These heating cables provide pipe, roof, and gutter system protection from damage due to freezing, snow and ice, and can be used in residential and commercial applications. The self-regulated cables automatically adjust heat output according to the ambient temperature conditions. Under cooler conditions the heat output increases, and as the temperature rises the output decreases to save energy. The cables operate on 120V or 240V and are available in various pre-assembled lengths.



120V cable has an end seal, cold lead and plug.



240V cable has an end seal and a cold lead; requires a power connection in an appropriate junction box.

Features

- 120V cable includes a 30-inch cold lead and plug.
- 240V cable requires a power connection in an appropriate junction box.
- Suitable for plastic or metal pipes, shingle and metal roofs, gutters and downspouts.
- Ease of installation, as the cable can be overlapped without the risk of becoming overheated or burnt.

General Safety Information

Read all instructions in this manual and the following installation instructions and safety warnings. Electrical cables, if not installed correctly or if damaged, can present a fire or shock hazard or short out.

1. Depending on the length of the cable, a dedicated electrical circuit may be required.
2. Installation must be in compliance with National Electrical Codes (NEC) or Canadian Electrical Codes (CEC).
3. Use 30-mA ground fault protection on each heating cable branch circuit for maximum protection.
4. Use only fire-resistant insulation, such as certified fiberglass or preformed foam. Do not embed heating cable in the insulation.

5. Use fiberglass tape (PT-FGT, sold separately) or nylon cable ties when attaching cable to metal pipes. Do not use wire or metal clamps. On plastic pipes, attach the full length of cable with aluminum tape (PT-ALUT, sold separately).
6. Before installing or servicing, ensure that all power to circuits is OFF.
7. Do not twist cable during installation; the cable's minimum bending radius is 1.5 in.
8. Do not install heating cable under roofing material.
9. Do not expose cable to temperatures above 65 °C (150 °F), as this will damage the cable.
10. Do not use extension cords.
11. Save all instructions for future reference.



WARNING: Do not use damaged heating cables, cold leads or plugs. Remove and replace immediately.

Specifications

Model	Voltage	Length (ft)	Power Output on Pipe at 5 °C (40 °F)	Power Output in Ice & Snow at 0° C (32° F)	Max. exposure temperature
CS061PR006	120V	6	36 W	48 W	65 °C (150 °F)
CS061PR012	120V	12	72 W	96 W	65 °C (150 °F)
CS061PR018	120V	18	108 W	144 W	65 °C (150 °F)
CS061PR024	120V	24	144 W	192 W	65 °C (150 °F)
CS061PR037	120V	37	222 W	296 W	65 °C (150 °F)
CS061PR050	120V	50	300 W	400 W	65 °C (150 °F)
CS061PR075	120V	75	450 W	600 W	65 °C (150 °F)
CS061PR100	120V	100	600 W	800 W	65 °C (150 °F)
CS061PR125	120V	125	750 W	1000 W	65 °C (150 °F)
CS061PR150	120V	150	900 W	1200 W	65 °C (150 °F)
CS062PR050	240V	50	300 W	400 W	65 °C (150 °F)
CS062PR075	240V	75	450 W	600 W	65 °C (150 °F)
CS062PR100	240V	100	600 W	800 W	65 °C (150 °F)
CS062PR125	240V	125	750 W	1000 W	65 °C (150 °F)
CS062PR150	240V	150	900 W	1200 W	65 °C (150 °F)