EasyHeat™ PSR Cable

Roof and Gutter De-Icing, Self-Regulating, Pre-Terminated. For Residential and Commercial Applications.

Product Overview

- PSR is a parallel resistance, self-regulating cable provided in pre-terminated lengths with factory sealed connections.
- These cables are a top-of-the line solution for abating roof, gutter and downspout ice dams.
- The self-regulating heating cable automatically varies its heat output as the surrounding temperature changes.

Applications

- Suitable for shingle, slate, metal, wood and flat roofs with either plastic or metal gutters/downspouts.
- Commercial and residential roof and gutters prone to ice damming and dangerous icicles.
- Downspouts that freeze and clog.

Features

- 120 Vac and 240 Vac models available.
  - — 120 Vac models have an integral three-wire plug with a pilot light.
  - — 240 Vac models have a three wire pigtail.
- Pre-terminated lengths from 6 ft to 100 ft (1.83 m to 30.48 m); 8 Watts/ft in ice.
- Manufactured with a water-resistant TPE outer jacket.
- Cables are rated at 5 Watts per foot (0.30 m) at +50°F (+10°C).
- One year limited warranty.

Heating Cable Control Options and Power Connection

- 120 Vac cables should be plugged into a ground fault protected electrical receptacle.
- 240 Vac cables are designed to be directly connected into an appropriate electrical outlet box supplied by ground fault protected circuit.

Accessories

- Hanger kits and roof clips are available.
  - — DSH Downspout Hanger
  - — ZH-C Roof Clips and Spacers

Certifications

- UL Listed to Canadian Safety Standards and CSA Certified for ordinary locations.

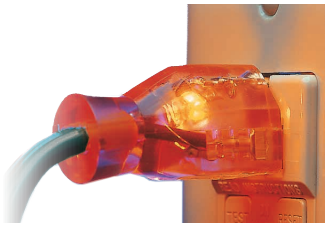
Notes

- *Per NEC and CEC requirements ALWAYS use a ground fault protection device (GFEP) to reduce the danger of fire from a damaged or improperly installed heating cable. Electrical fault currents caused by damaged or improperly installed cable MAY NOT BE LARGE ENOUGH to trip a conventional circuit breaker.*
- *Heating cables must be installed in compliance with all national, state/provincial and local codes. Check with your local electrical inspector for specific details.*
- *It is recommended that the circuit supplying the heating cable have ground fault protection; this is mandatory by electrical code for some applications in many regions. Consult an electrical inspector to determine the specific ground fault requirements for your application prior to installation.*
- *Do not alter the length of the heating cable — cable is factory sealed and alteration will result in risk of electrical fire or shock.*
- *If more than one heating cable is used on a single electrical circuit please refer to the maximum heater length per circuit breaker size chart. Make sure the total heating cable length does not exceed the length specified in this table.*
- *Minimum installation temperature for the heating cable set is -22°F (-30°C).*

Illustrated Features

Pilot Light

120 Vac models have a pilot light in the PSR plug confirms connection to a good power source.



Three Wire Pigtail

240 Vac models have a three wire pigtail that should be directly connected into an appropriate electrical box supplied by ground fault protected circuit.

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How To Determine The Length of Cable You Need

The total heating cable length for de-icing is determined by including all elements of the roof system that need protection. Use Tables 1 and 2 to determine the total length of cable. Usually one cable will be sufficient for both roof and gutter areas. For larger installations, use separate cables for roof area and gutter/downspout area.

Table 1: Determination of Total Cable Requirements

Model Number	Number of Cables
Roof Edge	From Table 2 based on eave overhang
Gutter	1 ft (30.48 cm) of cable/foot of gutter (if gutter is wider than 6 in (15.24 cm), use 2 traces)
Downspout	2 ft (60.96 cm) of cable/foot of downspout–cable is looped down and back
Roof Valley	6 ft (1.83 m) of cable/valley - loop 3 ft (0.91 m) up valley and back
Dormer Perimeter	1 ft (30.48 cm) of cable/foot of dormer perimeter

Table 2: Cable Length Factors vs. Eave Overhang

Eave Overhang E	Loop Height H	Length Factor Shingle Roof ① with Sawtooth Pattern	Length Factor Metal Roof ② with Loop Pattern
12 in (30.48 cm)	18 in (45.72 cm)	1.9	2.5
24 in (60.96 cm)	30 in (76.20 cm)	2.7	3.5
36 in (0.91 m)	42 in (1.07 m)	3.6	4.5
48 in (1.22 m)	54 in (1.37 m)	4.6	5.5

Cable length required = Length Factor × Roof Length (m/feet)
Notes:
① Typical shingle roof with sawtooth pattern.
② Typical metal roof with loop pattern spaced 24 in (61 cm) for other spacing these factors will need to be adjusted accordingly.
For other designs, contact your local EasyHeat™ sales representative.

Product Selection

Catalog Number	Description	Carton Quantity	Carton Weight lb (kg)	UPC
PSR1006	6 ft (1.83 m) length, 30 Watts, 120 Vac	5	4 (1.8)	0-13627-06907-7
PSR1012	12 ft (3.66 m) length, 60 Watts, 120 Vac	5	7 (3.2)	0-13627-06908-4
PSR1018	18 ft (5.49 m) length, 90 Watts, 120 Vac	5	8 (3.6)	0-13627-06913-8
PSR1024	24 ft (7.32 m) length, 120 Watts, 120 Vac	5	10 (4.5)	0-13627-06909-1
PSR1050	50 ft (15.24 m) length, 250 Watts, 120 Vac	5	17 (7.7)	0-13627-06910-7
PSR1075	75 ft (22.86 m) length, 375 Watts, 120 Vac	2	10 (4.5)	0-13627-06911-4
PSR1100	100 ft (30.48 m) length, 500 Watts, 120 Vac	2	13 (5.9)	0-13627-06912-1
PSR2006	6 ft (1.83 m) length, 30 Watts, 240 Vac	5	4 (1.8)	0-13627-06867-4
PSR2012	12 ft (3.66 m) length, 60 Watts, 240 Vac	5	7 (3.2)	0-13627-06868-1
PSR2018	18 ft (5.49 m) length, 90 Watts, 240 Vac	5	9 (4.1)	0-13627-06873-5
PSR2024	24 ft (7.32 m) length, 120 Watts, 240 Vac	5	10 (4.5)	0-13627-06869-8
PSR2050	50 ft (15.24 m) length, 250 Watts, 240 Vac	5	16 (7.3)	0-13627-06870-4
PSR2075	75 ft (22.86 m) length, 375 Watts, 240 Vac	2	9 (4.1)	0-13627-06871-1
PSR2100	100 ft (30.48 m) length, 500 Watts, 240 Vac	2	13 (5.9)	0-13627-06872-8