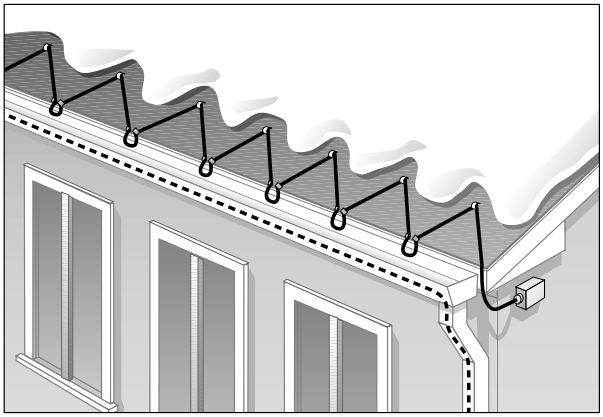
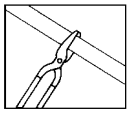
SRF-RG

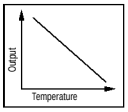
Self-Regulating Roof & Gutter

- **Roof and Gutter De-Icing**
- **Fast, Easy Installation**
- **Cut to Length**
- **UL Listed**
- **CSA Certified**





Cut to Length in Field



Self Regulating Output

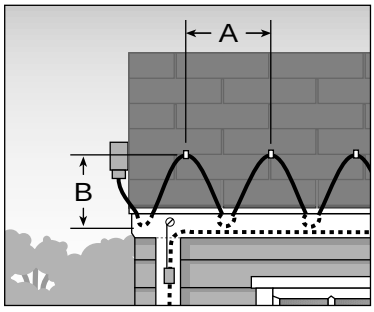
Description

Chromalox SRF-RG self-regulating heating cable provides reliable freeze protection of roofs and gutters. Because SRF-RG is self-regulating, it automatically adjusts to the appropriate heat output as ambient conditions change, making it both energy efficient and cost effective. The protective waterproof outer jacket is suitable for wet applications in downspouts and roof drains.

Likewise, it is easy to apply SRF-RG following the provided instruction sheets and utilizing the required accessory kits. It can be cut-to-length and single overlapped. Simply trace the gutter or roof and energize the cable when precipitation is expected. From that point on, SRF-RG will rapidly increase its output when in contact with snow or ice, providing maximum melting power. When the roof and gutters are clear of snow and ice, the SRF-RG cable will regulate its output and save energy.

Applications

1. To calculate the amount of cable needed, multiply roof edge length to be heat traced by the spacing factor. The spacing factor (feet of cable required per foot of roof edge) is determined by the roof overhang, heating width (A) and heating height (B):



2. Add the total gutter length and the total downspout length to the figure calculated in step 1 to get the total length of cable required.

Roof Overhang (In.)	Heating Width A (Ft.)	Heating Height B (In.)	Spacing Factor
12	2	18	2
24	2	30	3
36	2	42	4

3. Determine how many circuits are required. Divide the total length of cable by the maximum circuit length (see specifications, next page). Round that number up (for example, 2.1 to 3) to get the total number of circuits.

WARNING — A ground fault protection device is required by NEC to minimize the danger of fire if the heating cable is damaged or improperly installed. A minimum trip level of 30 mA is recommended to minimize nuisance tripping.

Suggested breakers with 30 mA ground fault trip levels are:

- 120V Single Pole Westinghouse GFEPD, Square D QO, EPD Style
- 120/240V Single Pole Westinghouse GFEPD, Square D QO, EPD Style.

Represented By: Ross & Pethtel
Phone: 225-273-2202 Website

SRF-RG

Self-Regulating Roof & Gutter *(cont'd.)*

Specifications

Buss Wire		16 AWG, Nickel-Coated Copper
Ground Braid		Tinned Copper Braid Under Jacket
Outer Jacket		UV Stabilized Weatherproof Jacket
Environmental Use		Use only in Ordinary Areas, 150°F Max. Exposure Temperature
Output Wattage		12 W/Ft. in Snow or Ice @ 32°F
Service Voltage	SRF 5-1RG	120 Vac
	SRF 5-2RG	208 - 277 Vac

Maximum Circuit Length (Ft.)

	120 Vac			208 - 277 Vac		
Start Up	15A	20A	30A	15A	20A	30A
0°	90	120	175	135	185	275
-20°	75	100	150	120	160	250

Ordering Information

Product	Use	Model	Stock	PCN	Wt./1000' (Lbs.)
Cable					
120V	Cable with braid and weatherproof jacket	**SRF 5-1RG**	**S**	**386329**	60
208 - 277V	Cable with braid and weatherproof jacket	**SRF 5-2RG**	**S**	**386337**	60
Accessories					
Power Connection Kit	Power termination into junction box with 1 end seal and 2 "Warning-Electric Traced" adhesive labels	**RG-PK-1**	**S**	**386206**	60
Splice Kit	Materials for 1 splice of cable	**RG-SK-1**	**S**	**386214**	60
End Seal Kit	Materials for 1 cable end termination	**RG-EK-1**	**S**	**386257**	60
Roof Clips	To attach cable to standard roofing material, 10 per kit	**RCK-1**	**S**	**340179**	60
Downspout Hangers	To support cable in gutter downspout, 1 pack per carton	**RDK-1**	**S**	**340160**	60
Aluminum Tape	Aluminum foil installation tape with pressure sensitive adhesive, 180 ft. roll. Used to secure cable placement in gutters.	**AT-1**	**S**	**383355**	60

Note — Cables are UL Listed for Snow Melting and De-Icing Equipment.

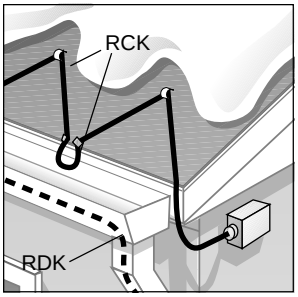
Roof & Gutter Accessories

RG-PK-1 (386206)

Power Connection Kit

Power termination into junction box with one end seal and two "Warning-Electric Traced" labels

RCK-1 & RDK-1

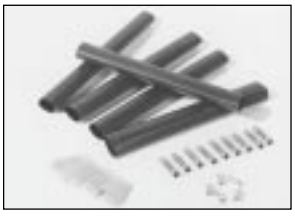


Mounting Kits

RCK-1 (340179)
Roof clips (10) to attach cable

RDK-1 (340160)
Downspout hangers (1) to suspend cable in downspout

RG-SK-1 (386214)



Splice Kit

Materials to splice two cables. Special weatherproof sleeving to insure trouble-free operation

RG-EK-1 (386257)

End Seal Kit

Seals cable at end termination

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