

## Description

The SLCBL-RCLIP10 and SLCBL-RCLIP50 Roof Clip Kit and the SLCBL-RDOWN1 Downspout Hanger Bracket Kit are suitable for use with all SpeedTrace and SLCBL series heating cables. Do not use other hardware or techniques which may damage the heating cable and cause electrical hazard, risk of fire, or poor performance.

## SLCBL-RCLIP10 / SLCBL-RCLIP150

SLCBL-RCLIP10 and SLCBL-RCLIP50 roof clips are used to secure SpeedTrace and SLCBL series heating cables to shingle and metal seam roofs and gutters. For applications where nails and screws will be used to install clips, go to page 2. For applications where adhesive will be used to install clips, go to page 3. SLCBL-RCLIP10 includes 10 clips and SLCBL-RCLIP50 includes 50 clips.

## SLCBL-RDOWN1

SLCBL-RDOWN1 downspout hanger bracket is used to provide mechanical protection to the SpeedTrace and SLCBL series heating cable as it goes over sharp edges and to hold the heating cable in place at the top of downspouts. Refer to page 4 for instructions on how to install the SLCBL-RDOWN1 hanger bracket.

## Tools Required (installed per NFPA70, National Electrical Code (NEC), Article 426)

- Screw driver
- Pliers
- Caulking gun

## Recommended Adhesives for Metal Roofs

- SpeedBonder H3300 (Methacrylate Adhesive)
- SpeedBonder H4800 (Methacrylate Adhesive)
- Plexus MA300 (Methacrylate Adhesive)
- Plexus MA310 (Methacrylate Adhesive)
- Grey RTV 167 Adhesive (Neutral-cure Silicone Adhesive)

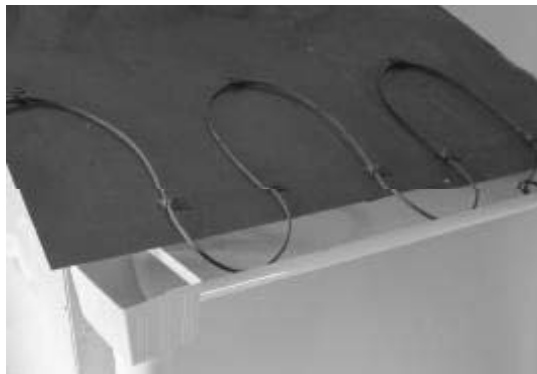
Kit Contents		
Item	Qty	Description
SLCBL-RCLIP10 (A)	10	Roof clips
SLCBL-RCLIP50 (A)	50	Roof clips
SLCBL-RDOWN1 (B)	1	Hanger bracket

## WARNING:

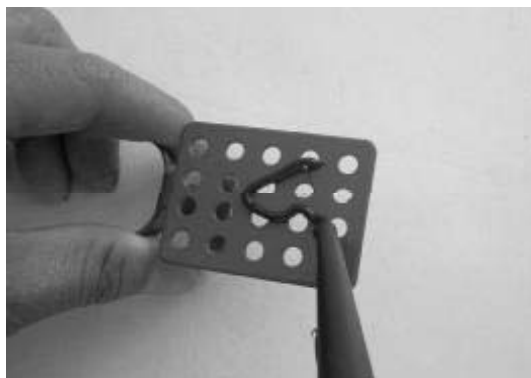
- Roof Clips and Hanger Brackets must be installed properly to ensure proper operation and to prevent the risk of electrical hazard or fire. Follow all design, installation, assembly, and test instructions carefully.
- To minimize the risk of fire from sustained electrical arcing if the heating cable is damaged or improperly installed, and to comply with the requirements of national electrical codes, ground-fault equipment protection must be used on each heating cable branch circuit.
- Article 426 of the National Electrical Code and Section 62 of CAN/CSA-C22.1. Canadian Code governing the installation of SpeedTrace and SLCBL series heating cables must be used on each heating cable branch circuit. Arcing may not be stopped by conventional circuit protection.
- Do not use Clip and Hanger Bracket for installation on slate or tile roofs as damage may occur to roof material. Consult roofing manufacturer for components approved for use on specific roof material.
- De-energize all power circuits before installation or servicing.
- Keep ends of heating devices and kit components dry before and during installation.
- Damaged heating cable can cause arcing or fire. Do not energize damaged heating cable. Repair or replace damaged heating cable prior to applying power.
- While using pliers to close clamps on heating cable, heating cable should not be crushed or altered in any way.
- The cable should not be twisted during installation.

## SLCBL-RCLIP10/SLCBL-RCLIP50 with Screw or Nail

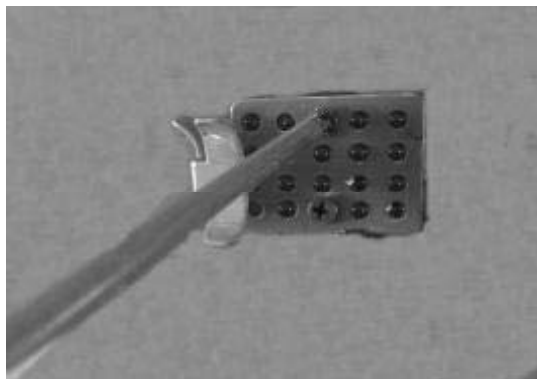
1. Determine heating cable layout and clip placement according to SLCBLUC and SLCBLUC-GF installation instructions.



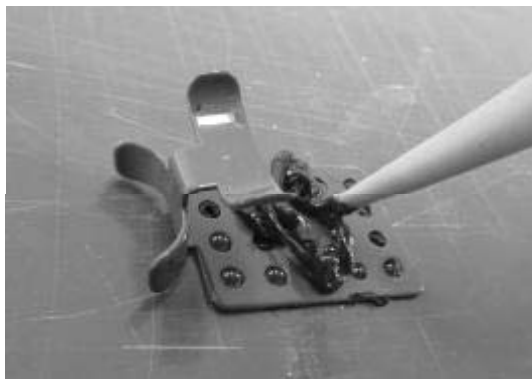
2. Apply sealant, appropriate for your roof, to back side of clip where nail or screw will be used.



3. Orient the clip as needed. Attach clip to roof using a nail or a screw.



4. Spread sealant on top of nail or screw heads.

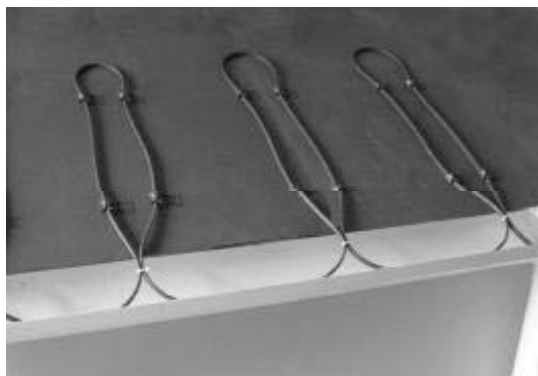


5. Install heating cable. Use pliers to close clamps, but do not crush the heating cable.



## SLCBL-RCLIP10/SLCBL-RCLIP50 with Adhesive

1. Determine heating cable layout and clip placement according to SLCBLUC and SLCBLUC-GF installation instructions.



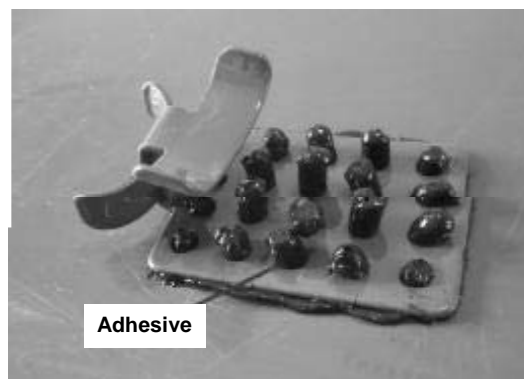
### 2. Adhesive Selection:

Select appropriate adhesive.  
For most metal roofs, we recommend GE RTV 167.

3. Prepare roof surface per adhesive manufacturer's specification. Apply a liberal amount of adhesive to back side of Roof Clips.



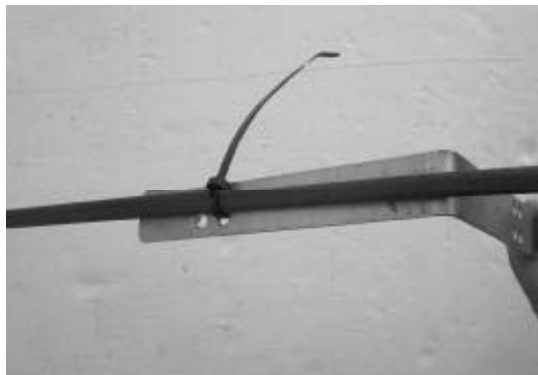
4. Place clip on prepared surface. Press down to ensure adhesive flows through holes.



5. Install heating cable. Use pliers to close clamps as shown on page 2. Do not crush the heating cable.

## Installing SLCBL-RDOWN1 Downspout Hanger Bracket in Gutter

1. Bend the SLCBL-RDOWN1 to approximately 90 degree. Insert cable ties through holes on the SLCBL-RDOWN1.



2. Position the SLCBL-RDOWN1 and tighten the cable ties. Trim off excess cable tie.



3. The SLCBL-RDOWN1 should be centered on the edge of the downspout to prevent mechanical damage and to support the heating cable.



4. The SLCBL-RDOWN1 can be used to protect the heating cable from sharp edges.

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