

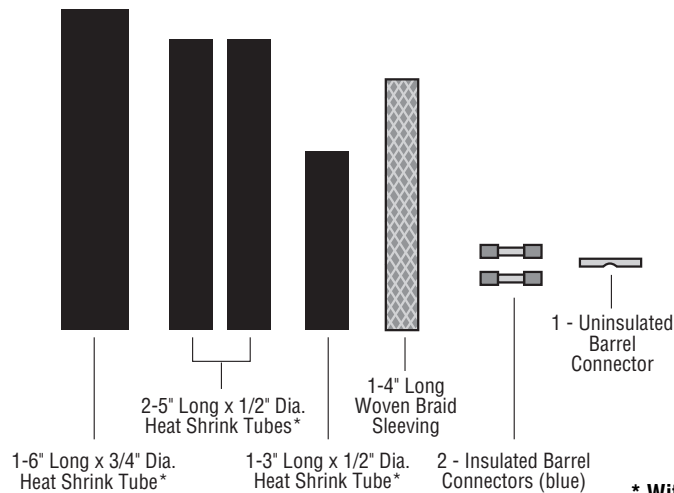
# Chromalox®

## Installation Instructions

### SERVICE REFERENCE

DIVISION 4	SECTION RG
SALES REFERENCE (Supersedes PJ479-1)	PJ479-2
161-511930-003	
DATE	JUNE, 2004

## RG-SK-1 Roof and Gutter Cable Splice Kit (386214)



\* With adhesive melt liner.

### INSTALLATION

**WARNING: Hazard of Electric Shock. Disconnect all power before starting. All installations must be effectively grounded in accordance with the National Electrical Code to eliminate shock hazard.**

**Note:** All electrical wiring, including GFCI (Ground Fault Circuit Interrupters), must be done according to National Electrical or local codes by a qualified person.

- Slide the splice kit parts on to the two cable pieces in the order shown.

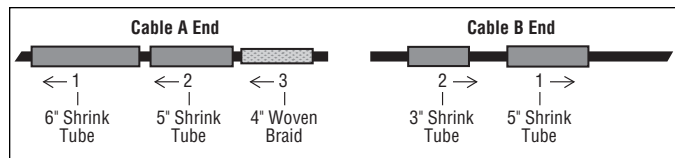


Figure 1

- Score the outer jacket 2" from the end of the cable. Remove the jacket to expose the braid.

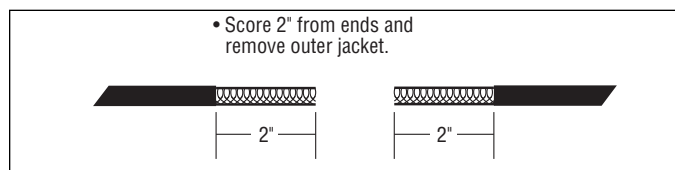


Figure 2

**CAUTION: Do not damage the braid or the base cable insulation.**

- For both cables, pick the braid apart near the outer jacket and pull the cable through the opening in the braid. Twist the braid into a pigtail.
- Using standard electrical cutters, cut a 3/4" long notch out of both cables, between the two conductor wires. Bare a 3/8" length of each conductor by stripping off the outside insulation and the inner black core material.

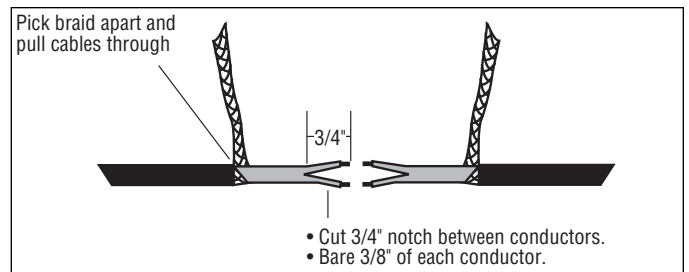


Figure 3

- Slide one end of each of the two blue insulated barrel connectors over the bare conductors on one of the cables. Crimp with a crimping tool.

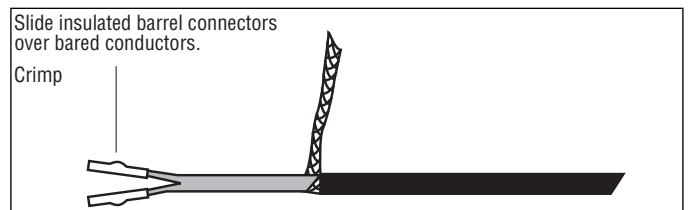
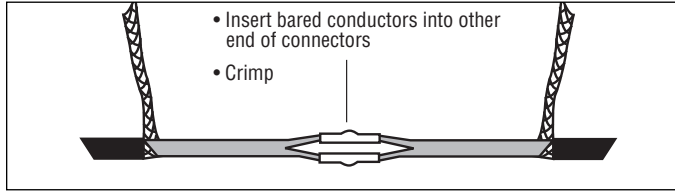


Figure 4

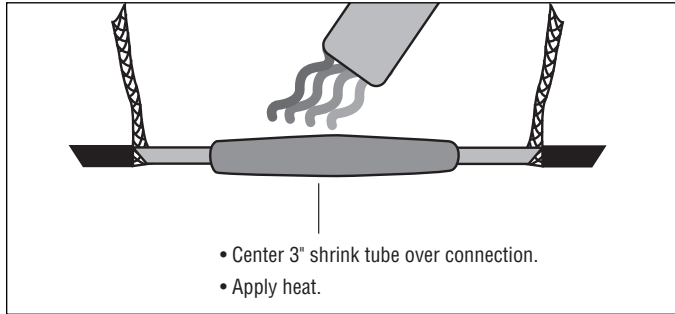
## INSTALLATION

6. Insert the bared ends of the conductors of the other cable into the uncrimped ends of the insulated barrel connectors. Crimp on.



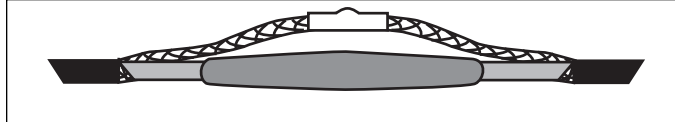
**Figure 5**

7. Center the 3" shrink tube over the insulated barrel connector, being careful to keep the braid pigtails out from under the shrink tube. Apply heat evenly until the tube shrinks down around the cables and the connectors. The adhesive should flow from both ends. Allow the tubing and the adhesive to cool before going on to the next step.



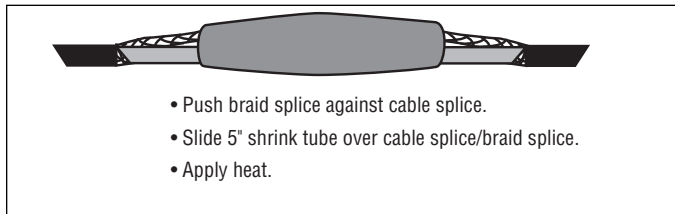
**Figure 6**

8. Insert the braid pigtail of one cable into one end of the uninsulated (silver) barrel connector and crimp it on. Insert the braid pigtail of the other connector end and crimp it on.



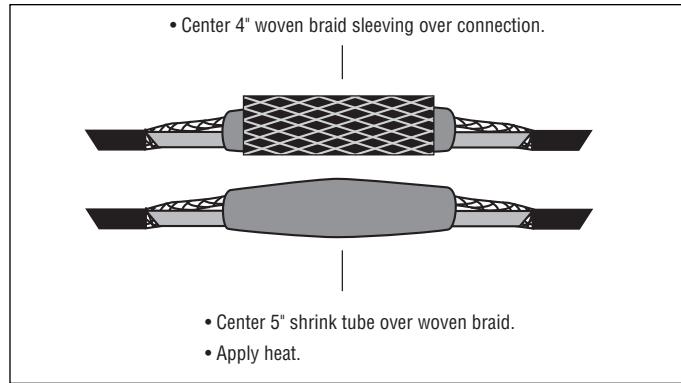
**Figure 7**

9. Push the braid splice against the insulated cable splice. Center the 5" heat shrink tube over the braid splice/cable splice. Apply heat evenly until the tube shrinks down around the connection. Allow to cool.



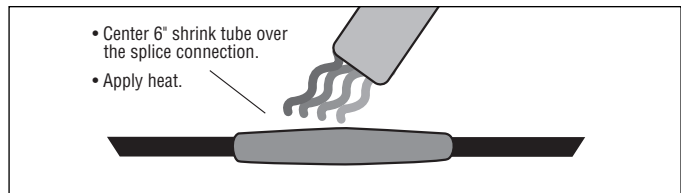
**Figure 8**

10. Center the 4" woven braid sleeving over the splice connection and then center the 5" length of 3/4" heat shrink tube over the woven sleeving. Apply heat evenly until the tube shrinks. Allow to cool.



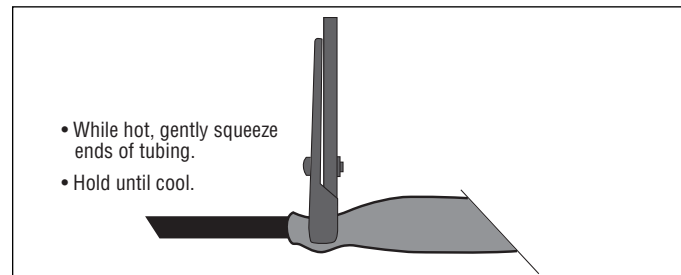
**Figure 9**

11. Center the 6" heat shrink tube over the splice connection. Apply heat evenly until the tube shrinks down around the cables and the adhesive melts.



**Figure 10**

12. While the tubing is still hot, gently squeeze each end of the tubing with pliers and hold until cool. Each end must remain visibly sealed when the pliers are removed. If the tube does not remain sealed reapply heat and squeeze again with pliers.



**Figure 11**

### Limited Warranty:

Please refer to the Chromalox limited warranty applicable to this product at <http://www.chromalox.com/customer-service/policies/termsofsale.aspx>.

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