Installation Instructions

# HSK-PC Power/End Connection Kit

## For use in Commercial Heat Trace Applications

CHROMALOX

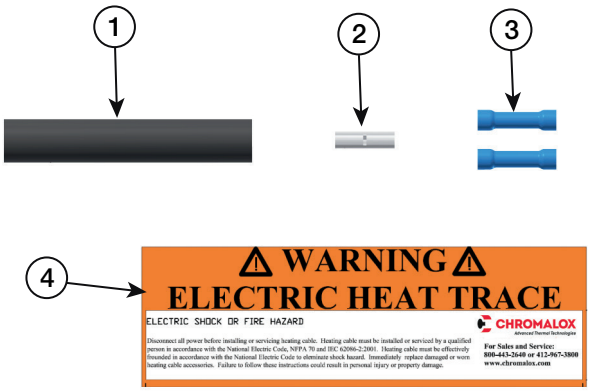
PJ958-3
161-511930-010
August, 2026

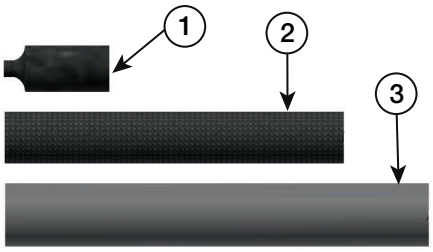
# HSK-PC Power/End Connection Kit

## Kit Contents

| Item | Qty | Description |
|---|---|---|
| 1 | 1 | 1/2” Dia. Heat Shrink Tube |
| 2 | 1 | Uninsulated Barrel Connector |
| 3 | 2 | Insulated Barrel Connectors |
| 4 | 1 | Adhesive-backed Warning Labels |

| Item | Qty | Description |
|---|---|---|
| 1 | 1 | 1/2” Dia. Heat Shrink Cap |
| 2 | 1 | 1/2” Dia. Woven Braid Sleeving |
| 3 | 1 | 3/4” Dia. Heat Shrink Tube |




### General

The Chromalox HSK-PC combines the power connections and end termination into one kit. The HSK-PC is used for commercial heat trace applications.

### Installation

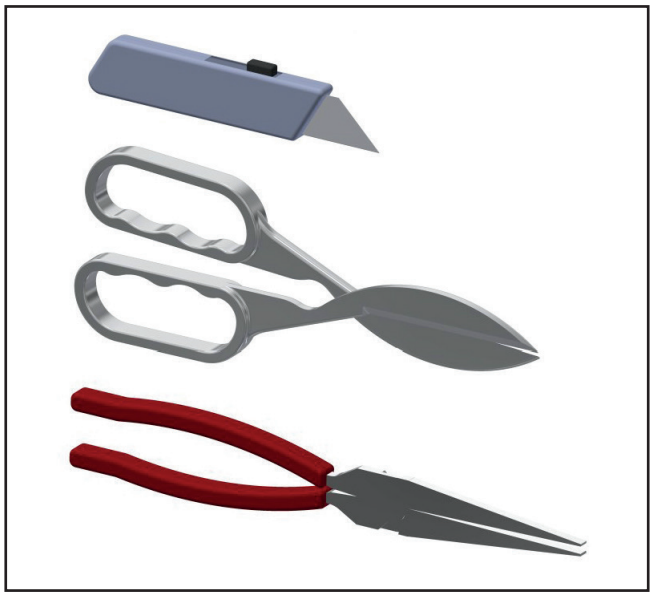
The minimum installation temperature for this kit is 0°F (-18°C).

### Certifications & Approvals

Ordinary Locations

C US

## Tools Required for Kit Installation



**⚠WARNING**

***HAZARD OF ELECTRIC SHOCK. Disconnect all power before opening. All installations must be effectively grounded in accordance with the National Electrical Code to eliminate shock hazard. To avoid electrostatic discharge wipe with a damp cloth.***

**⚠WARNING**

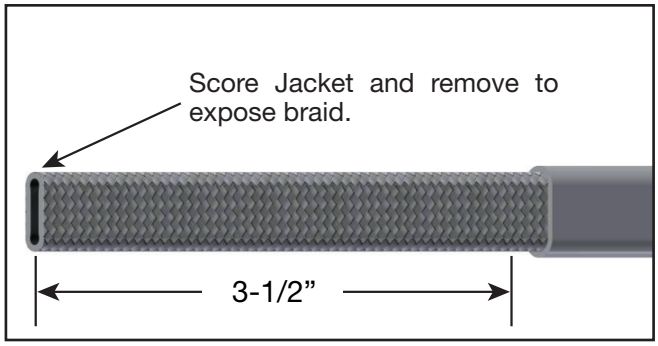
***Turn off power before removing junction box cover at all times.***

**⚠WARNING**

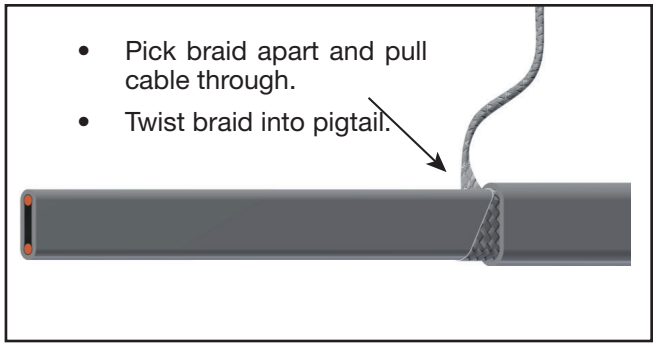
***Users should install adequate controls and safety devices with their electric heating equipment. Where the consequences of failure may be severe, back-up controls are essential. Although the safety of the installation is responsibility of the user, Chromalox will be glad to assist in making equipment recommendations.***

## HSK-PC Power Connection

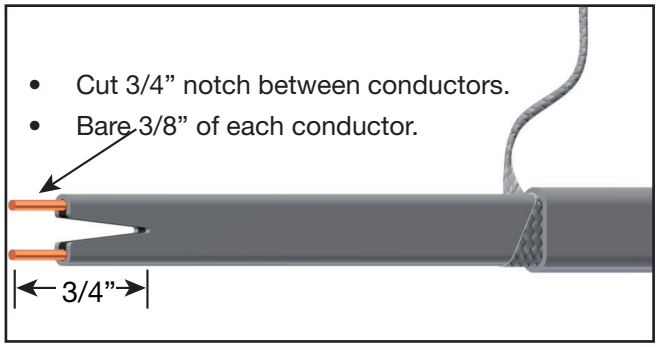
For use with CPR Heating Cables



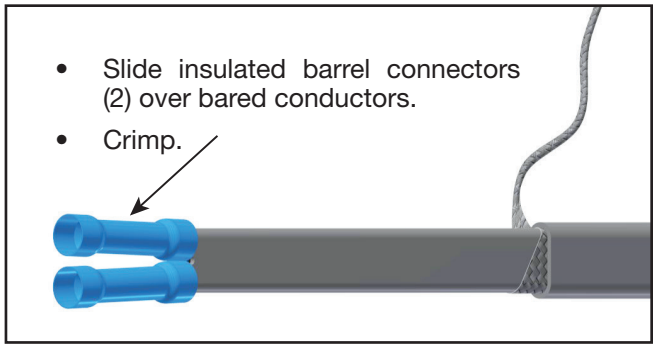

**1.** Score the cable outer jacket 3-1/2” from the cable end. Remove the jacket to expose the braid.



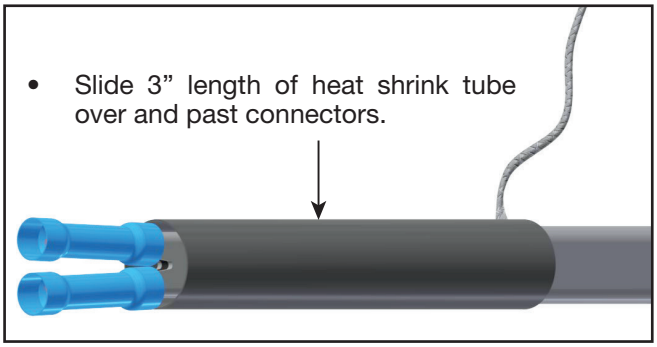

**2.** Pick the braid apart near the outer jacket and pull the cable through the opening in the braid. Twist the braid into a pigtail.



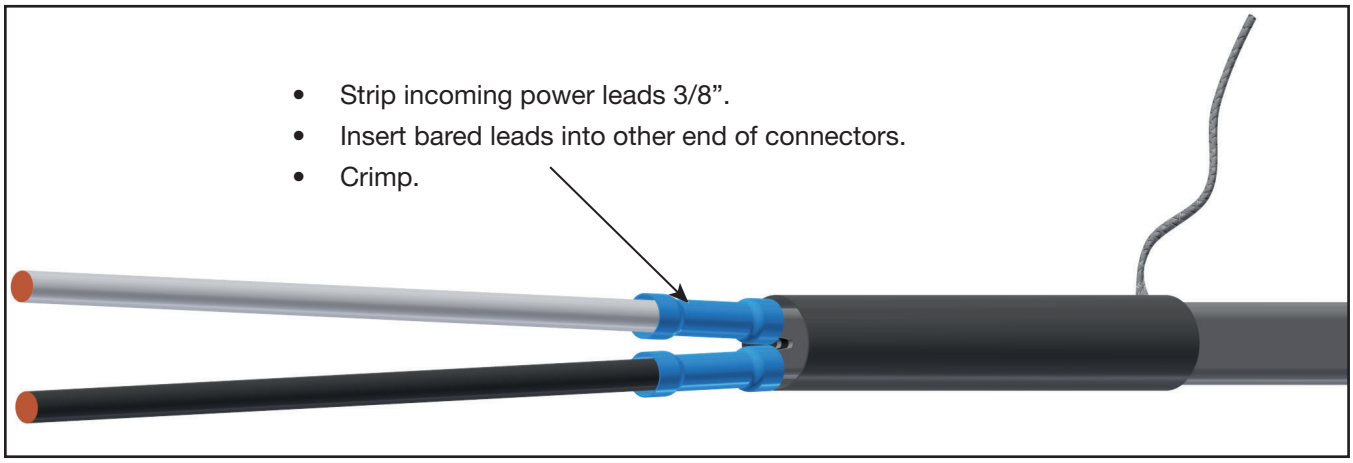

**3.** Using standard electrical cutters, cut a 3/4” long notch out of the cable, between the two conduc-tor wires. Bare a 3/8” length of each con-ductor by stripping off the outside insulation and the inner black core material.



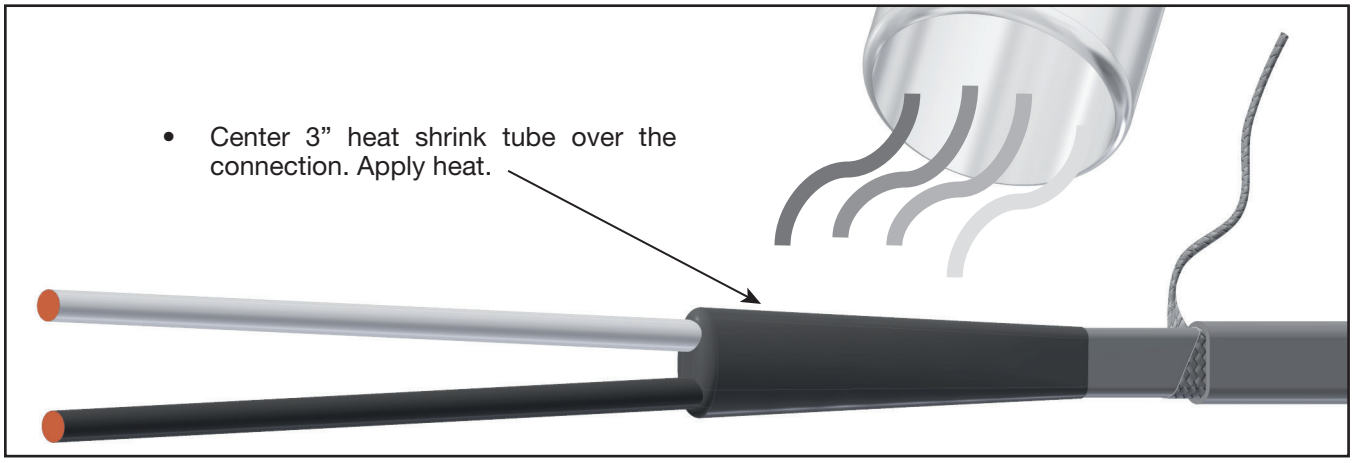

**4.** Slide one end of each of the two insulated barrel connectors over the bare portion of the conductors. Crimp the barrel connectors on using a crimping tool.



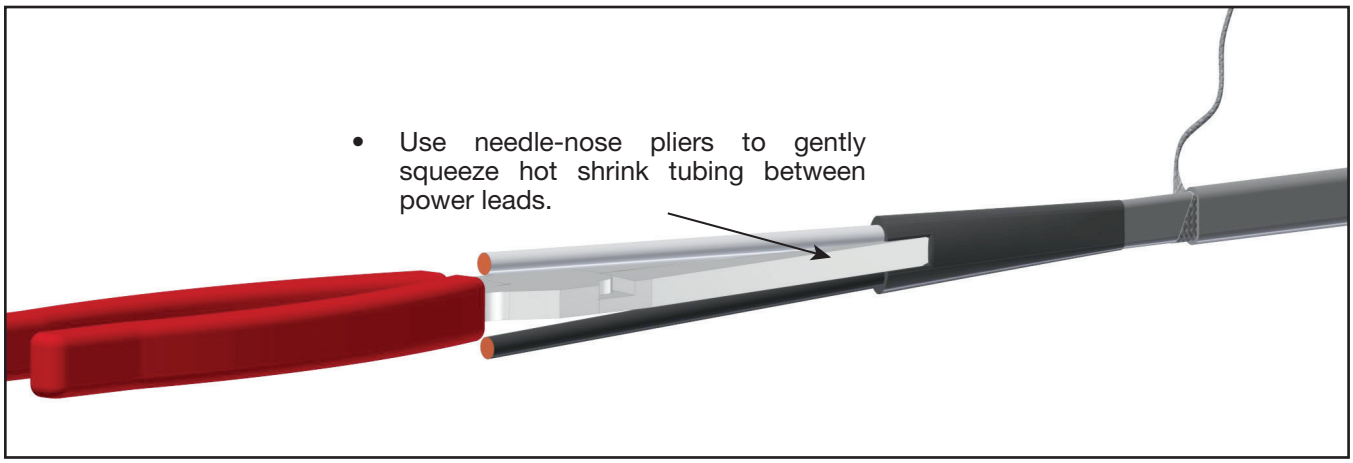

**5.** Slide a 3” length of heat shrink tubing over and past the barrel connectors.



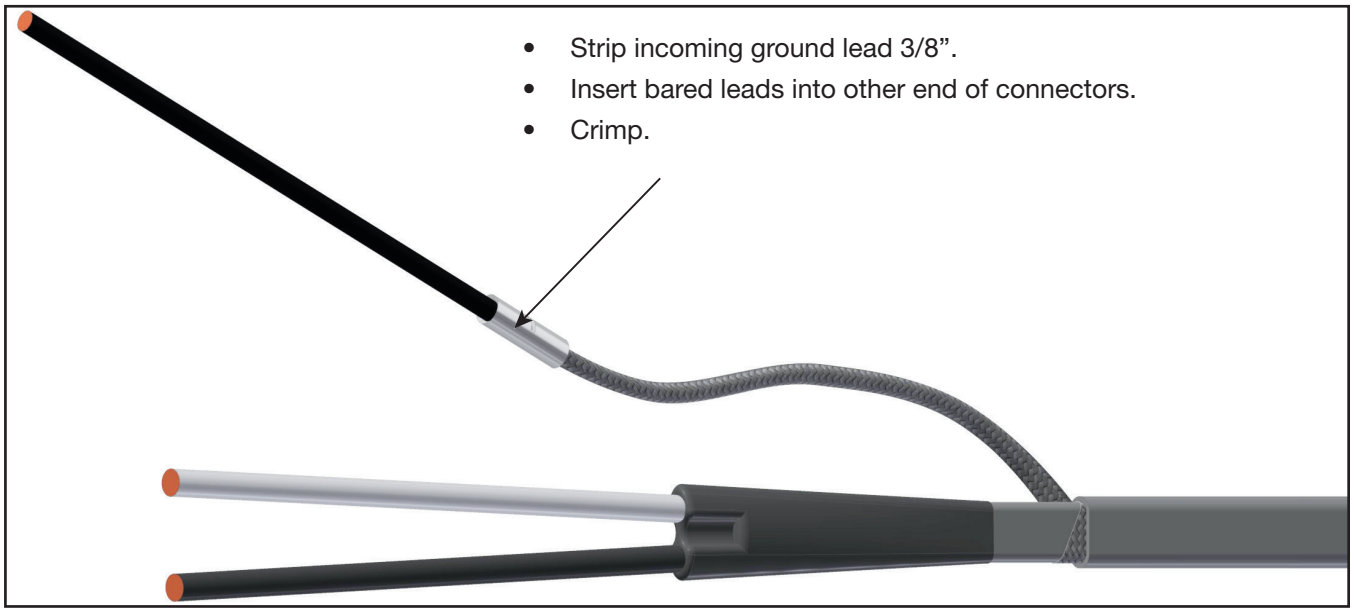

**6.** Strip the incoming power leads and ground wire to expose a 3/8” length of bare conductor. Insert the bared portion of the power leads into the other end of the insulated barrel connectors and crimp them.




**7.** Center the 3” length of heat shrink tubing over the connection. Apply heat evenly to shrink tubing around the heating cable, barrel connectors and power leads.



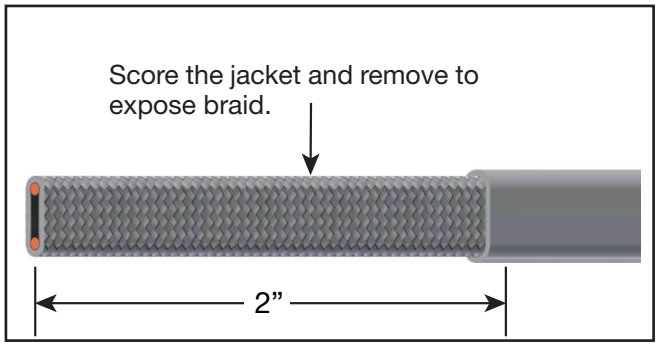

**8.** While the shrink tubing is still hot, gently squeeze the shrink tubing between the power leads with needle-nose pliers and hold until cool. The shrink tubing must remain visibly sealed when the pliers are removed. If the tubing does not remain sealed, reheat tubing and try again.



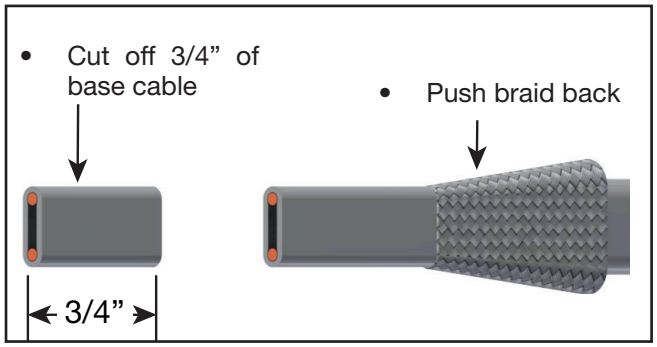

**9.** Insert the end of the braided pigtail into one end of the uninsulated (silver) barrel connector and crimp it. Insert the stripped end of the ground wire into the other end of the barrel connector and crimp it.

## HSK-PC End Termination

For use with CPR Heating Cables




**1.** Score the outer jacket 2” from the end of the cable. Remove the jacket to expose the braid.



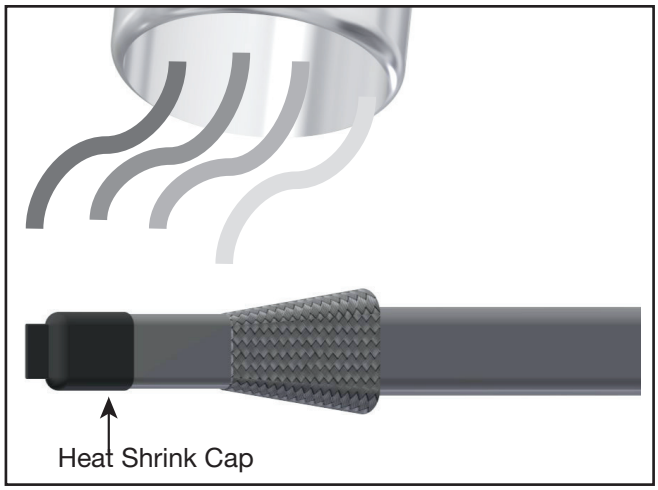

**2.** Push the braid back, and cut off the end 3/4” of the base cable.

**⚠WARNING**

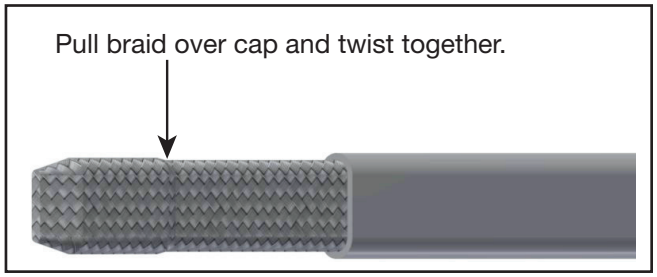
***When removing the outer jacket, be careful not to damage the braid or the base cable insulation.***

**⚠WARNING**

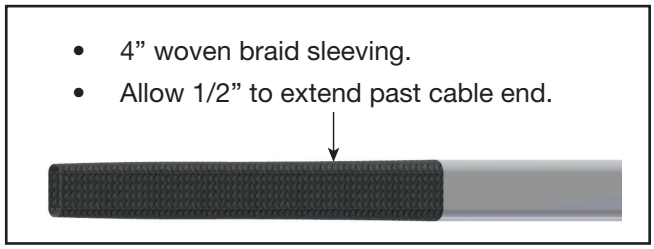
***ELECTRIC SHOCK HAZARD. To prevent short circuits, do not connect the buss wires together. Keep braid out of heat shrink cap.***



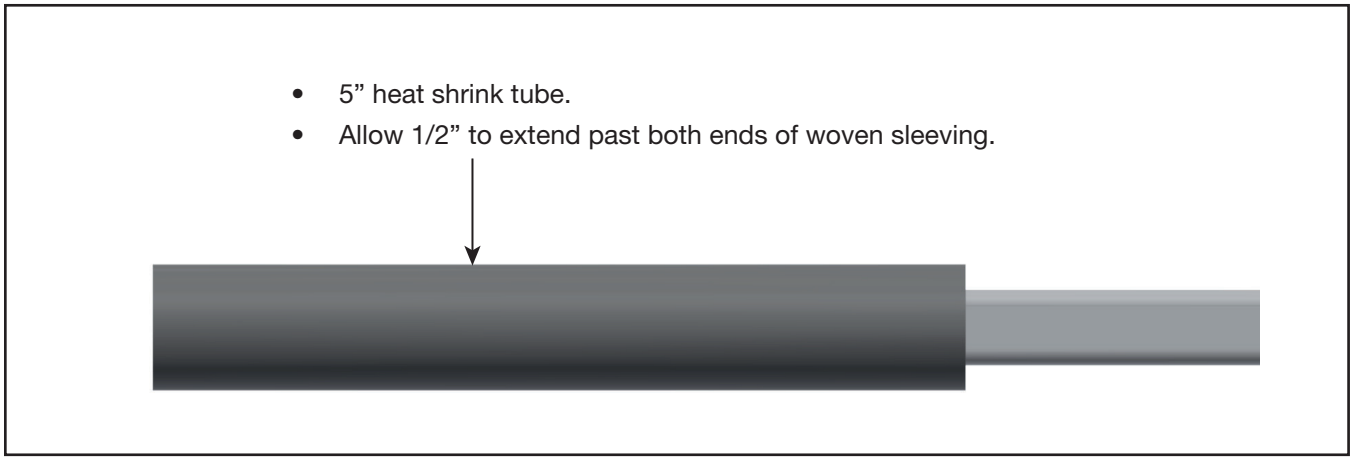

**3.** Slide the heat shrink cap over the end of the cable. Apply heat evenly until it shrinks around the cable.



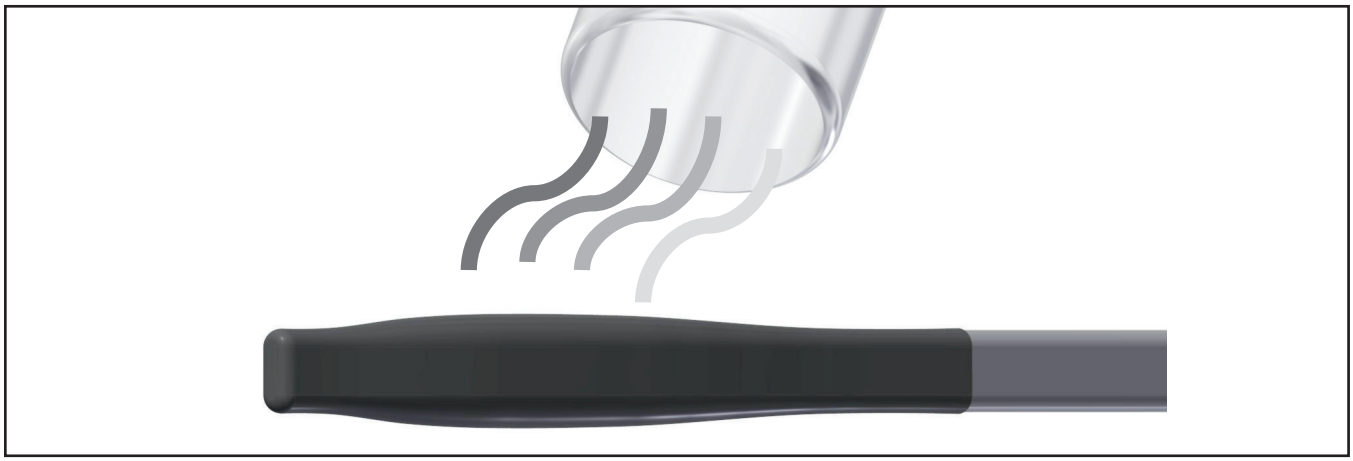

**4.** Pull the pushed-back braid over the sealed end cap and twist the braid end together.



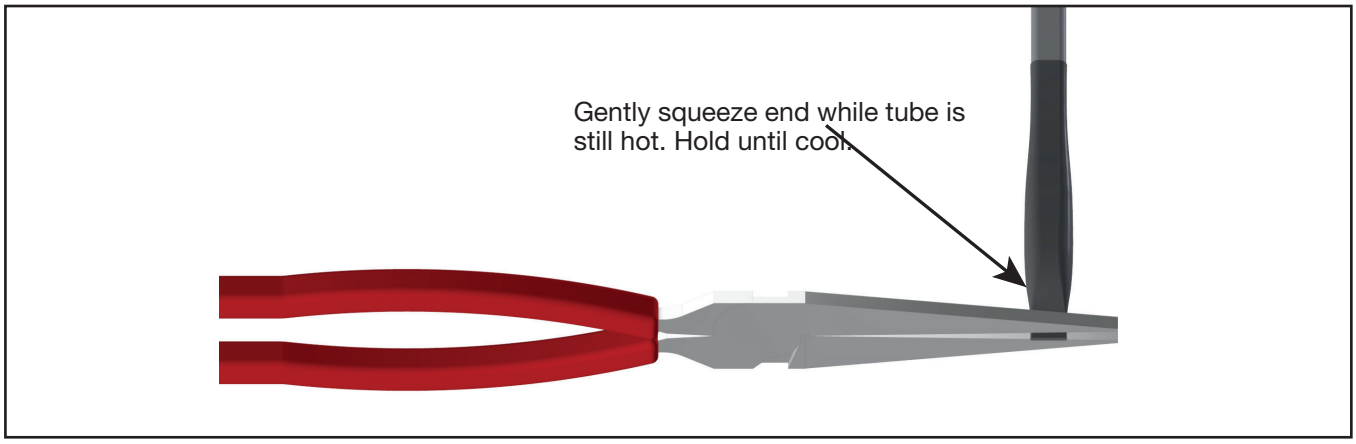

**5.** Slide the 4” woven braid sleeving over the end of the cable, allowing at least 1/2” to extend past the end of the cable.




**6.** Slide the 5” heat shrink tubing over the woven braid piece, allowing 1/2” to extend past the end of each end of the woven sleeving.



**7.** Apply heat evenly to the heat shrink tube until it shrinks around the cable.




**8.** While the shrink tubing is still hot, gently squeeze the end of the shrink tube with pliers and hold until cool. The end must remain visibly sealed when the pliers are removed. If the tube does not remain sealed, then repeat steps 7 and 8.

**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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