

Installation Instructions

SERVICE REFERENCE

DIVISION 4	SECTION RG
SALES REFERENCE (Supersedes PJ478-1)	PJ478-2
161-511930-002	
DATE	MARCH, 2004

RG-PK-1 Power Connection Kit

CAUTION
ELECTRICAL HEAT TRACING

1 - 3" Long
x 1/2" Dia.
Heat Shrink
Tube

1 - 1/2" NPT
Compression
Cable
Connector
Assembly

2 - Insulated
Barrel
Connectors

1 - Uninsulated
Barrel
Connector

2 - Adhesive-backed
Warning Labels

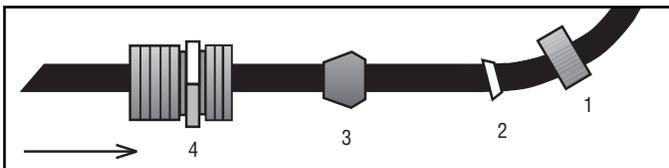
*With adhesive melt liner

GENERAL

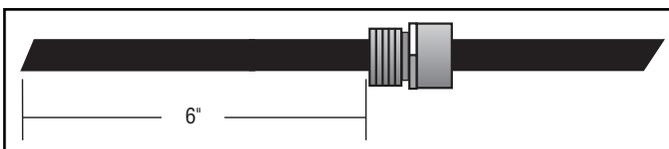
⚠ WARNING

ELECTRIC SHOCK HAZARD. Disconnect all power before installing or servicing heating cable and accessories. A qualified person must perform installation and service of heating cable and accessories. Heating cable must be effectively grounded in accordance with the National Electrical Code. Failure to comply can result in personal injury or property damage.

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

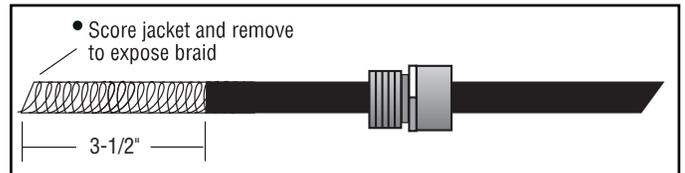


- Slide the four (4) components of the nylon cable connector onto the heating cable in the order shown.

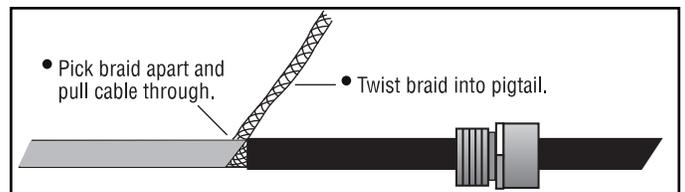


- Assemble the connector and tighten, leaving six inches of cable extending through the connector.
- Score the cable outer jacket 3-1/2" from the cable end. Remove the jacket to expose the braid.

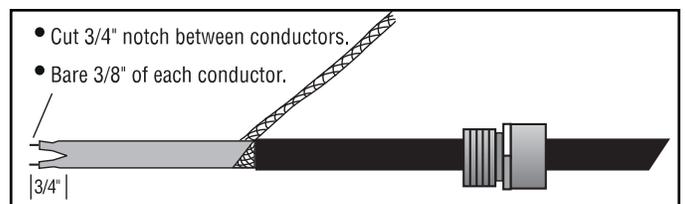
CAUTION: Do not damage the braid or the base cable insulation.



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

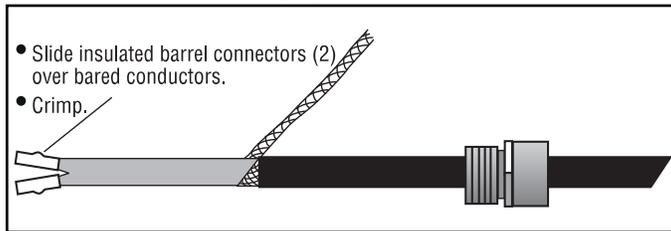


- Using standard electrical cutters, cut a 3/4" long notch out of the cable, between the two conductor wires. Bare a 3/8" length of each conductor by stripping off the outside insulation and the inner black core material.

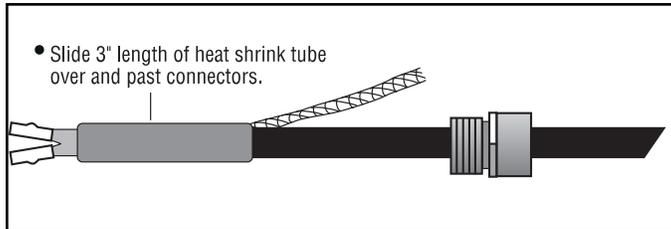


GENERAL

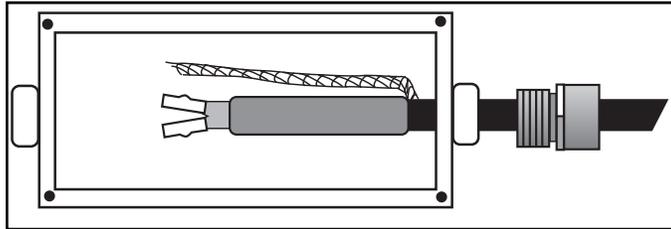
6. Slide one end of each of the two insulated barrel connectors over the bare portion of the conductors. Crimp the barrel connectors on using a crimping tool.



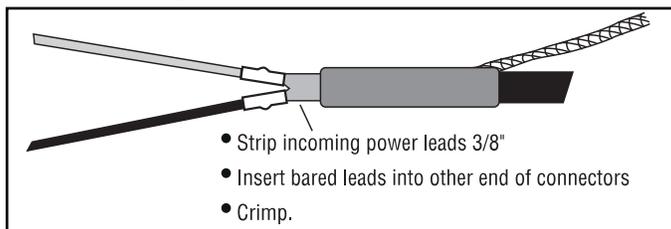
7. Slide a 3" length of heat shrink tubing over and past the barrel connectors.



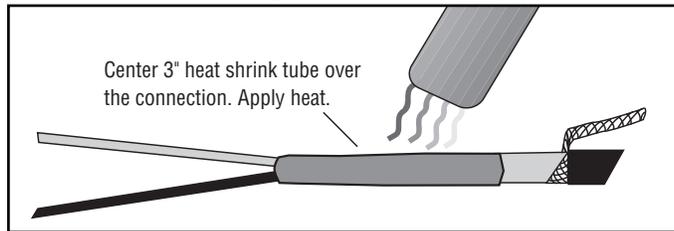
8. Insert entire assembly into NEMA 4 or 4X Electrical Junction Box. Junction box should be protected from weather if possible.



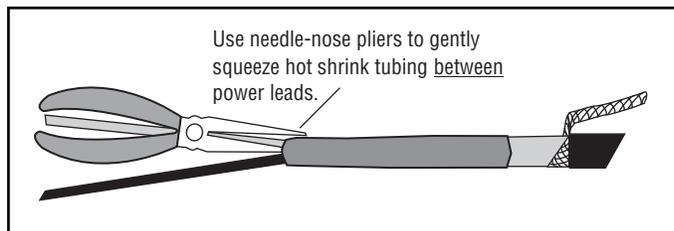
9. Strip the incoming power leads and ground wire to expose a 3/8" length of bare conductor. Insert the bared portion of the power leads into the other end of the insulated barrel connectors and crimp them.



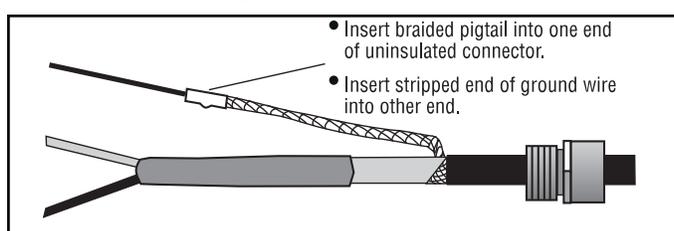
10. Center the 3" length of heat shrink tubing over the connection. Apply heat evenly to shrink tubing around the heating cable, barrel connectors and power leads.



11. 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 the tubing and try again.



12. 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.



13. Carefully push the connected wires into the power termination box and secure the cover. Screw the 1/2" compression cable connector into the power termination box to form a water-tight seal.

Limited Warranty:

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

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PRECISION HEAT AND CONTROL

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