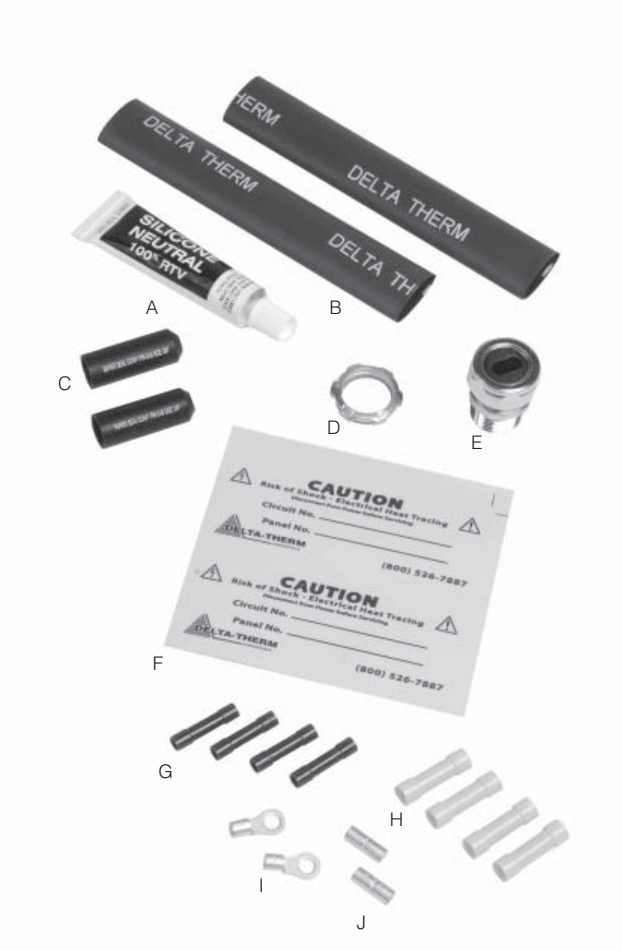
WARMZONE
Premier Radiant Heating

PCK-RG

IN Series Power Connection Kit For Roof And Gutter De-Icing

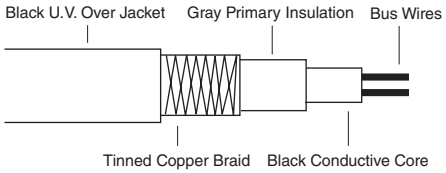


A. Silicone Sealant
B. Heat Shrink Sleeve .5" x 1.5" (1 x 15cm) (2)
C. Heat Shrink Cap .5" x 1.5" (1 x 15cm) (2)
D. .50" (2cm) Sealing Locknut
E. Connector Assembly
F. Caution Labels (2)
G. LG Butt Connectors (4)
H. SM Butt Connectors (4)
I. Ring Connectors (2)
J. Non-Insulated Butt Splices (2)

DESCRIPTION

PCK-RG allows you to make electrical connections for all IN Series CBT self-regulating heating cables used in roof and gutter applications. The kit contains the necessary materials (except weather-tight junction box) for one power connection, one splice connection, and two end terminations.

SR CABLE CUTAWAY



Detail 1.

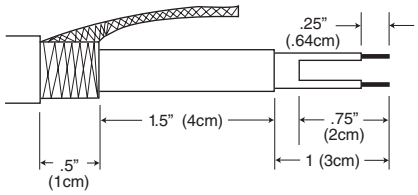
CONNECTING TO POWER

1. Attach connector assembly to the Junction Box through a .5" (1cm) NPT fitting. Loosen connector assembly and insert 10" (25cm) of cable through into junction box. Tighten connector assembly.
2. Strip end of cable (in junction box) as outlined on detail 1. Slide one piece of shrink tube over cable. Connect buss wire to the power input using the barrel connectors.
3. Cover the entire spliced area (from barrel connectors over black conductive core to gray over jacket) with silicone sealant and let cure overnight. Center shrink tube over barrel connectors and apply heat to shrink.
4. Twist braid into a conductor and attach ring connector.
5. Connect the ring connector to the connection box using the grounding screw (not supplied).
6. Push the splice and input power wire into the connection box, then attach the gasket and cover.
7. Attach caution labels to the junction box and circuit breaker panel and circuit breaker panel.

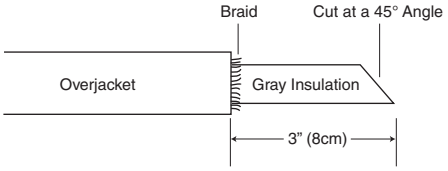
WARMZONE
12637 South 265 West, Suite 100
Draper UT 84020
www.warmzone.com
Toll Free: 888.488.9276
Fax: 801.948.7599
sales@warmzone.com

WARNING

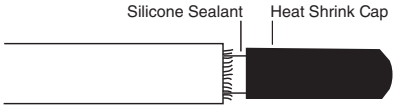
WARNING: This kit and the cable used with it must be installed by a qualified electrician. All assembly, installation, and test instructions must be followed. Improper installation can result in property damage, serious injury, and/or death due to electric shock and fires. Please call Delta-Therm Corporation at 1-800-526-7887 with any installation or operating questions.



Detail 1. Stripping.



Detail 2. Trim End of Cable.



Detail 3. Heat Shrink Cap.

STRIPPING THE CABLE (DETAIL 1)

1. Score and remove 3" (8cm) of the black overjacket to expose the braid.
2. Carefully separate 3" (8cm) of braid back to the overjacket, then twist the braid into a cold lead. Trim the cold lead to remove the tapered end.
3. Remove 1" (3cm) of gray over jacket from the end exposing the black conductive core.
4. Cut out the center of core material .125" wide x .75" long (.32 x 2cm).
5. Strip conductive core .25" (.64cm) from the end of each bus wire, using a wire stripper or utility knife.

END CAP TERMINATION (DETAIL 2 AND 3)

1. Remove 3” (8cm) of black over jacket and braid from end. Cut braid off.
2. Trim the end of the heating cable so that one bus wire is .25” (.64cm) shorter than the other. Caution: Do not terminate self-regulating cable by connecting the two bus wires. Doing so will destroy the cable. If you have any questions, please call 1-888-488-9276.
3. Slide the heat shrink cap over the end of the cable, leaving .5” (1cm) from end cap to black overjacket exposed.
4. Using a heat gun, shrink the sleeve into place. Heat until glue begins to flow from cap.
5. Apply silicone sealant over .5” (1cm) exposed area covering edge of overjacket and braid.

WARMZONE
Premier Radiant Heating

12637 S. 265 W., Suite 100 Draper UT, 84020 Office: (801) 948-7500 Fax: (801) 948-7599 (888) 488-9276