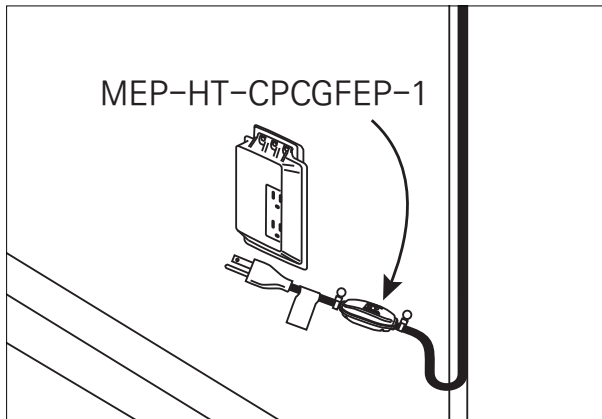


MEP-HT-CPCGFEP-1

Plug-In Power Connection Kit Installation Instructions



Description

- MEP-HT-CPCGFEP-1 is a ground fault protection equipped, plug-in power connection kit for use with (BK- and QM-) CRGX and LSRX with -CR suffix self-regulating heating cables.
- (BK- and QM-) CRGX and LSRX with -CR suffix self-regulating heating cables are allowed for both pipe freeze protection and roof & gutter de-icing applications.
- MEP-HT-CPCGFEP-1 complies with requirements for ground-fault protection of equipment.
- Warning: MEP-HT-CPCGFEP-1 plug-in power connection kit is limited to maximum 15A circuit breaker size.
- Use HT-CPCG-1 hard-wired power connection kits for circuit breaker size up to 40A.

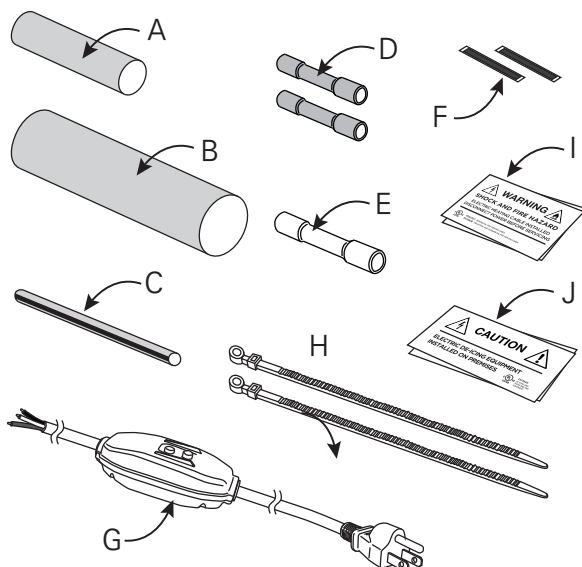
Tools Required

- Ratcheting Crimp tool, Klein 3005CR
- Utility knife
- Heavy duty scissors
- Needle nose pliers
- Heat gun
- Wire stripper

Additional Materials Required

- Receptacle shall be listed for the US and certified for Canada, grounded 120 volt with suitable approval for the specific location(receptacle must be rated for outdoor use).

Kit Contents

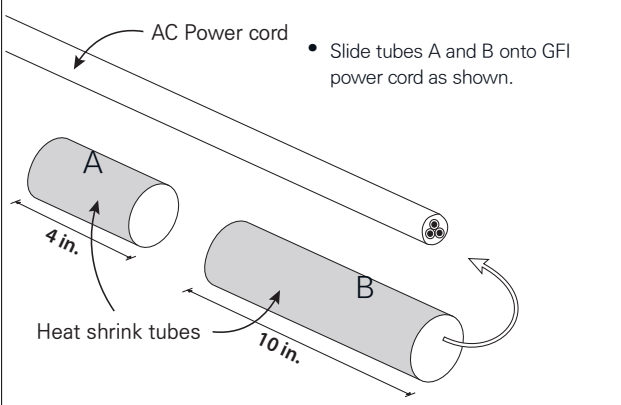


Item	Description	Dimension	Qty.
A	Heat shrink tube (Black)	0.63 x 4 in.	1
B	Heat shrink tube (Black)	0.79 x 10 in.	1
C	Heat shrink tube (Green/Yellow)	0.16 x 2 in.	1
D	Heat shrink butt splices (Blue)	0.11 x 1.5 in.	2
E	Heat shrink butt splice (Yellow)	0.13 x 1.6 in.	1
F	Mastic tape	0.4 x 2 in.	2
G	Plug-in GFI cord and plug		1
H	Cable ties	0.19 x 8 in.	2
I	Warning label for pipe installations		2
J	Caution label for roof installations		2

MEP-HT-CPCGFEP-1

Plug-In Power Connection Kit

1
AC Power Cord



AC Power cord

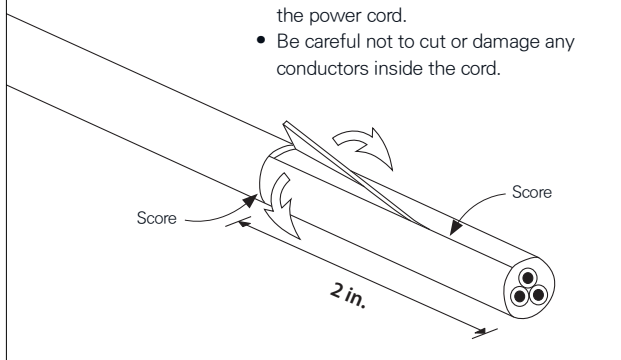
- Slide tubes A and B onto GFI power cord as shown.

Heat shrink tubes

4 in.

10 in.

2



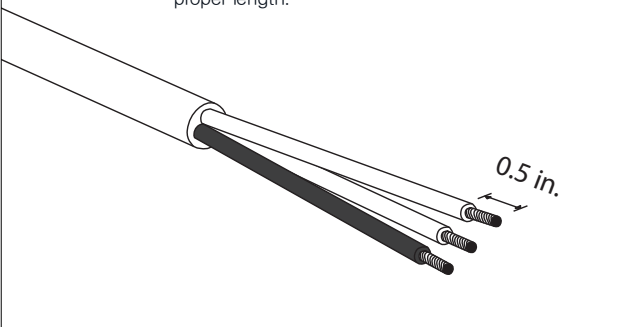
- Gently score and strip outer jacket of the power cord.
- Be careful not to cut or damage any conductors inside the cord.

Score

2 in.

WARNING: DO NOT DAMAGE CONDUCTORS

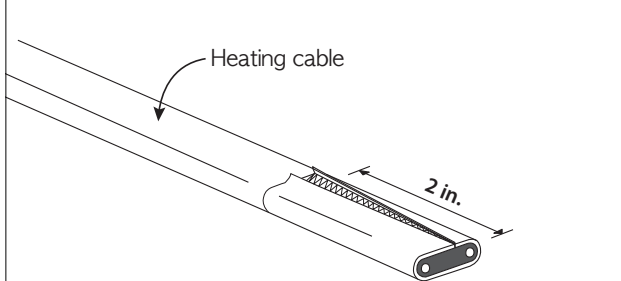
3



- Strip wires of the power cord to the proper length.

0.5 in.

4



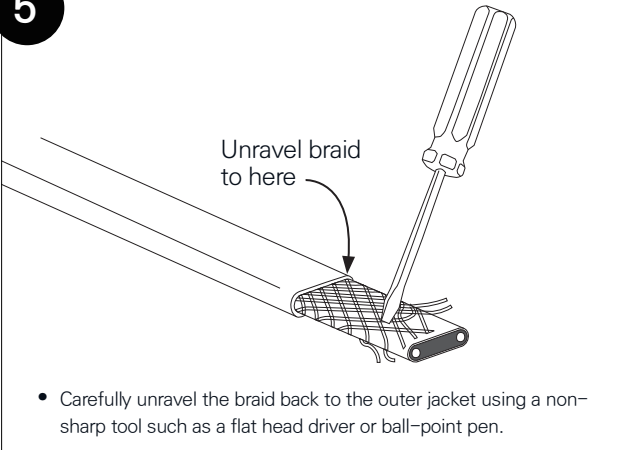
- Gently score around and down outer jacket.
- Remove outer jacket.

Heating cable

2 in.

WARNING: DO NOT DAMAGE BRAIDING

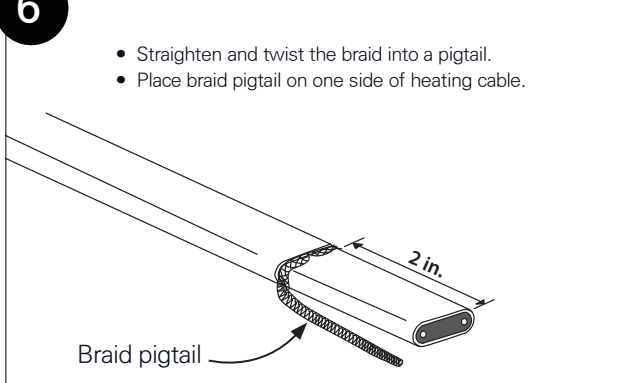
5



Unravel braid to here

- Carefully unravel the braid back to the outer jacket using a non-sharp tool such as a flat head driver or ball-point pen.

6



- Straighten and twist the braid into a pigtail.
- Place braid pigtail on one side of heating cable.

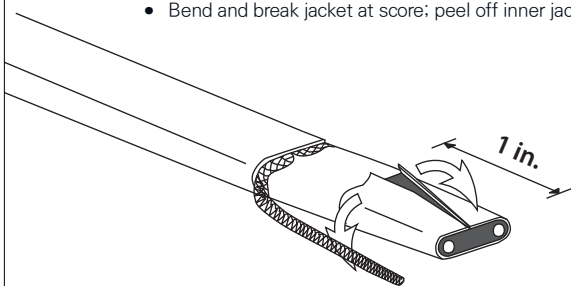
Braid pigtail

2 in.

MEP-HT-CPCGFEP-1 Plug-In Power Connection Kit

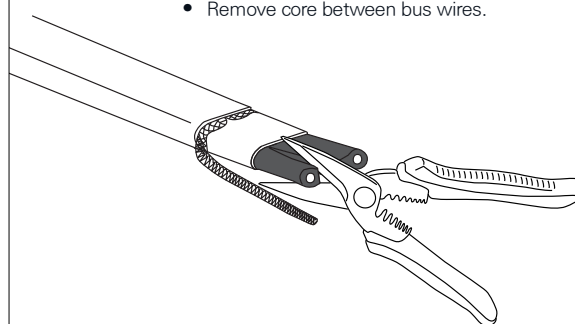
7

- Gently score down and around the inner jacket 1 inch from end of cable.
- Bend and break jacket at score; peel off inner jacket.



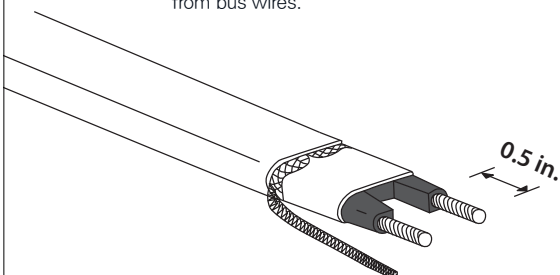
8

- Remove core between bus wires.



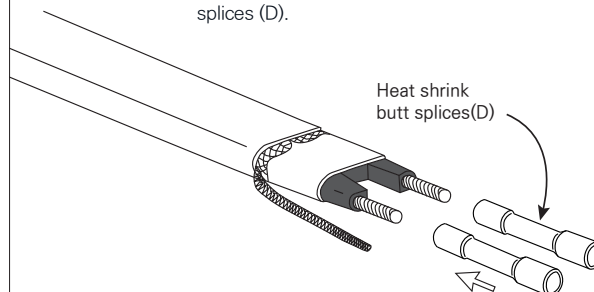
9

- Strip cores at the end of bus wires to the proper length. Remove all the remaining core material from bus wires.



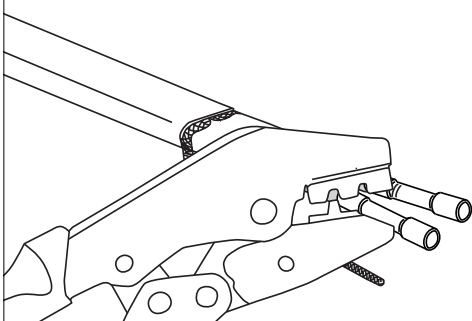
10

- Prepare two blue heat shrink butt splices (D).



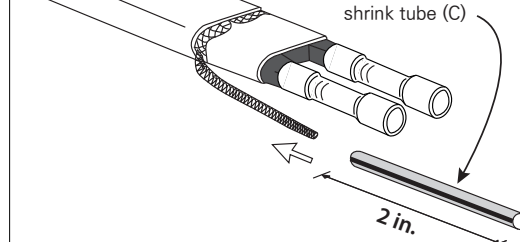
11

- Using ratcheting crimp tool, crimp one stripped bus wire into each of the blue butt splices (D).



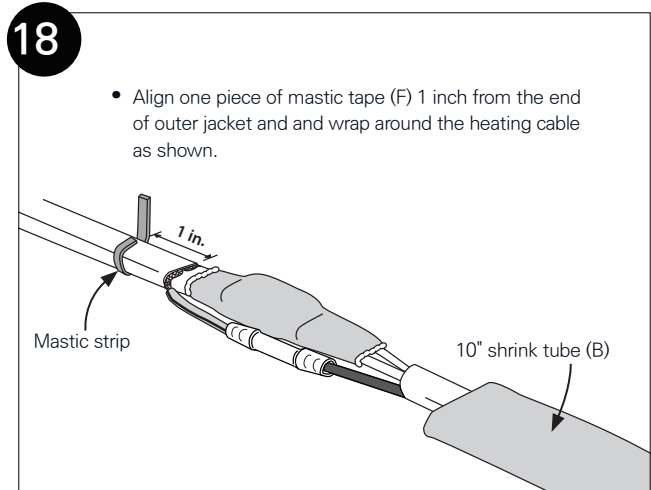
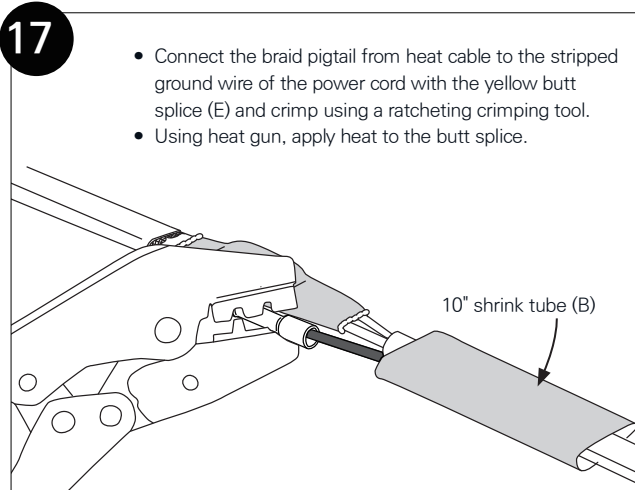
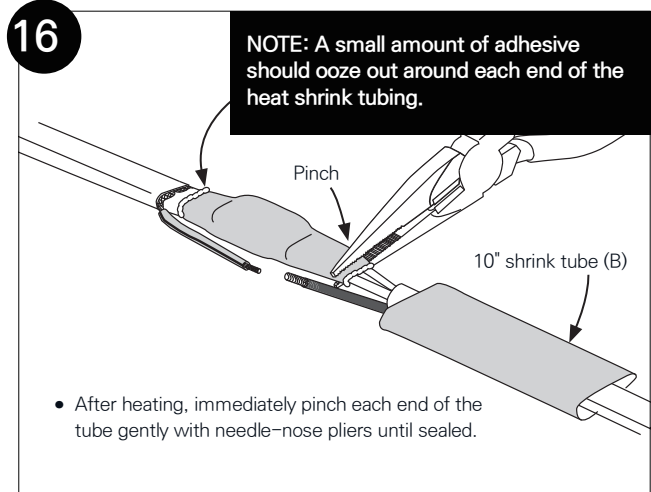
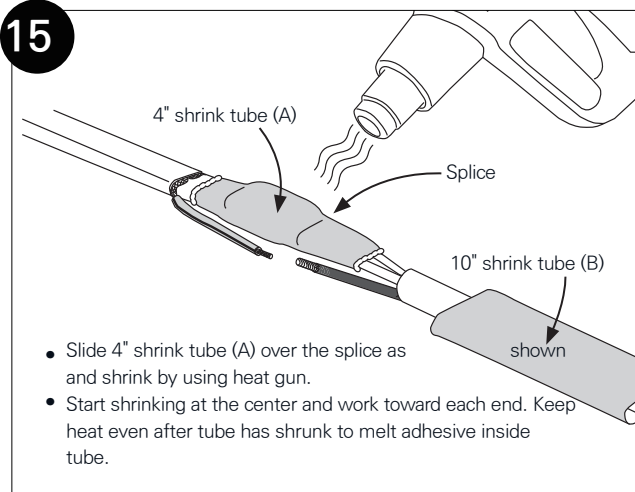
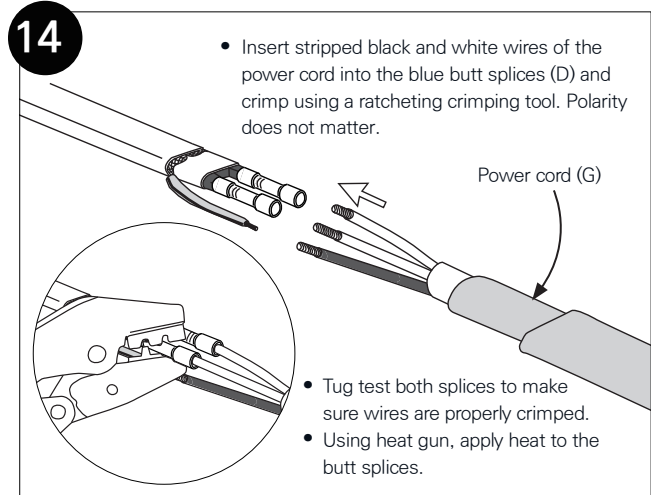
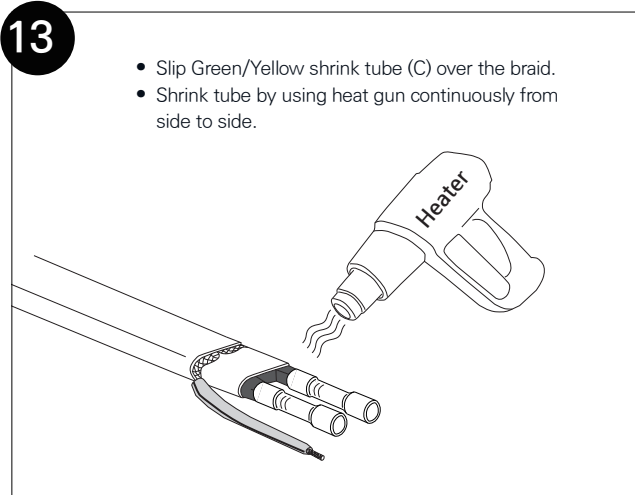
12

Green/Yellow heat shrink tube (C)



MEP-HT-CPCGFEP-1

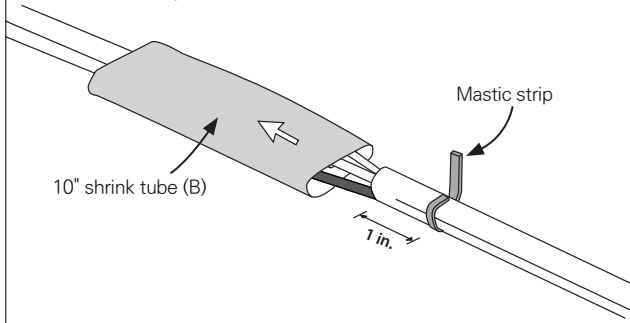
Plug-In Power Connection Kit



MEP-HT-CPCGFEP-1 Plug-In Power Connection Kit

19

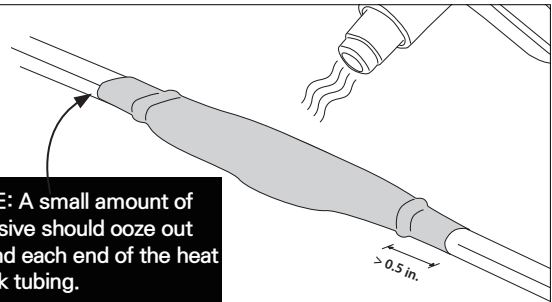
- Slide 10" shrink tube (B) over splice area as shown.
- Align the second mastic tape strip (F) 1 inch from the end of outer jacket of the power cord and wrap around the power cord as shown.



20

NOTE: A small amount of adhesive should ooze out around each end of the heat shrink tubing.

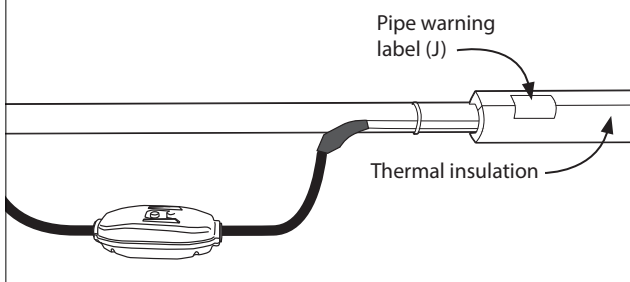
- Center 10" shrink tube (B) over the splice as shown and shrink by using heat gun. Check to see the tube extends over the ends of both the heating cable and power cord.
- Using heat gun, shrink the tube thoroughly. Start at the center and work toward each end. Keep heat even after tube has shrunk to melt adhesive inside tube.



21a

For pipe application

- To prevent damage to the GFI device (J), use cable ties (I) to secure the device to the wall or ceiling near the receptacle.



21b

For roof & gutter application

- To prevent damage to the GFI device (G), use cable ties (H) with appropriate fasteners based on the substrate to secure the device to the wall near the receptacle.

