

INSTALLATION : required materials

- Wire stripper (precision) for 30 AWG to 14 AWG wire.
- Small scissors (sharp edges).
- Soldering iron.
- Heat gun (for the heatshrink)
- Small finishing pick (to strip the braiding) or finishing nail.
- Cutter.

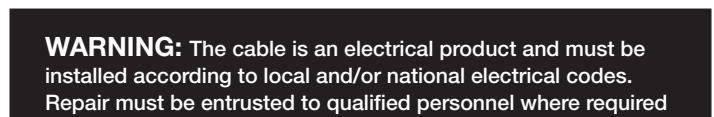
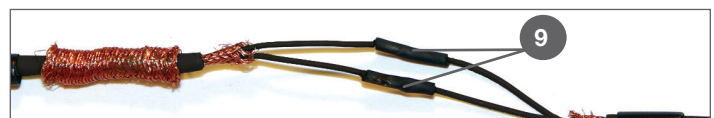
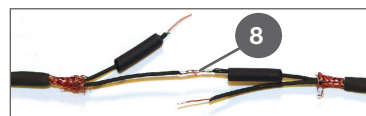
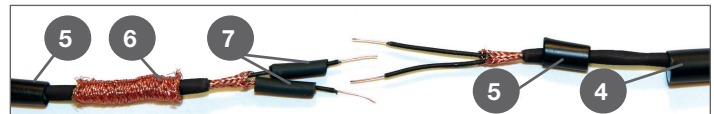
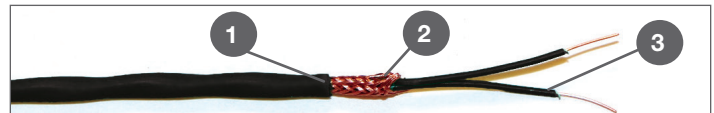
PROCEDURE: On each end of cable to be repaired

- 1** Remove 2" (5.1 cm) of the cable plastic jacket without cutting the metal braiding underneath.
- 2** From the end, remove 1¹/₂" (3.8 cm) of the metal braiding.
- 3** Remove 1/2" (1.3 cm) of insulation on the wire. Make sure not to nick the heating element, which could eventually cause a failure.
- 4** Insert one end of the cable in a 5/16" x 4" (8 mm x 10 cm) heatshrink tube to completely cover and seal the area to be repaired.
- 5** Insert at each end a 1/4" x 1/2" (6 mm x 12 mm) heatshrink that will serve to maintain the braiding into place.
- 6** Cut approximately 3¹/₂" (8.9 cm) of braiding on the support wire (in your repair kit), compress the braiding its support wire, then slide (insert) the braiding on one of the two edges of the cable to be repaired.
- 7** Insert a 1/8" x 3/4" (3 mm x 19 mm) heatshrink, which will be used to cover the welded joint, around each of the conductors.
- 8** Twist and weld the two corresponding ends of the heating element with the soldering wire, if necessary clean the soldered joint and file it to remove any cutting edge that could damage the heatshrink.
- 9** Slip the 1/8" x 3/4" (3 mm x 19 mm) heatshrink over each soldered joint and heat it in order to shrink it. Ensure that the heatshrink partly covers the cable insulation on each side.
- 10** Slip the metal braiding over the repaired section and gently stretch it out. Then slip the 1/4" x 1/2" (6 mm x 12 mm) heatshrink over each end of the metal braiding, center and heat.

- 11** Slip the 5/16" x 4" (8 mm x 10 cm) heatshrink over the metal braid and the repair and ensure to completely cover the metal braid and part of the cable jacket at each end. Heat the heatshrink to allow the adhesive to cover completely the cable at each extremity.

NOTE: If the heating element is too short, use a piece of the heating resistance wire (included in your repair kit) in order to join both ends (step 8). Measure the missing needed length, and add 1" (2.5 cm). Strip 1/2" (1.3 cm) on both ends. When the time will come to cut your metal braiding (step 6) and the 5/16" (8 mm) heatshrink (step 4), add this length to the 6" (15.2 cm) that is normally recommended. Since you will have to weld in two spots, you will need twice as many 1/8" x 3/4" (3 mm x 19 mm) heatshrinks (step 7).

IT IS NOT RECOMMENDED TO REPAIR A CABLE IN A CURVE. STRAIGHTEN IT OUT FIRST.



WARNING: The cable is an electrical product and must be installed according to local and/or national electrical codes. Repair must be entrusted to qualified personnel where required by law.