WARMLYYOURS
RADIANT HEATING

Instructions For Snow Melt & Slab Heat Cable Repair

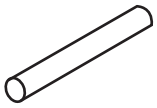
EFFECTIVE: August, 2011

Items needed:

1) A Splice Kit

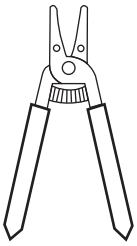
2 - 20 - 18 AWG Sealed Crimp + Solder Connectors FASTENAL P/N: 0710573

1 - 16-14AWG Uninsulated Butt Connector RadioShack P/N: 64-3036



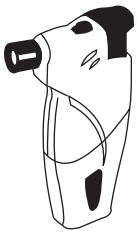
1 - .40 x 6" Heavy Wall, Adhesive-Lined Heat Shrink Tube FASTENAL P/N: 58654

2) Tools



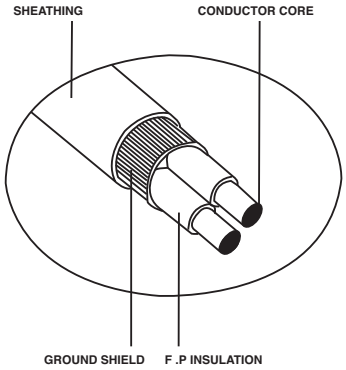
Wire strippers

Crimping tool

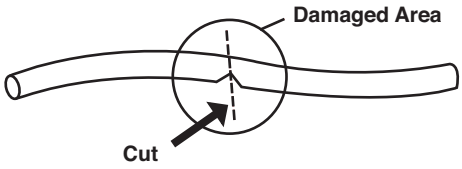


Butane Torch

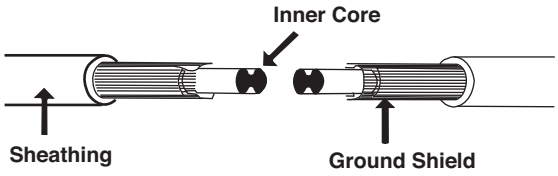
Hot air pistol



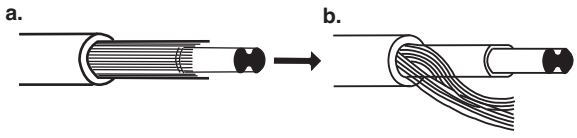
Step 1 - Determine where the damage is and make a clean cut through the wire.



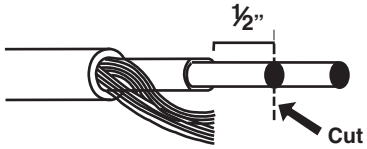
Step 2 - Using wire strippers, strip 1" of the outer insulation from both cables.



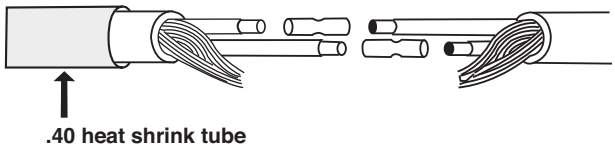
Step 3 - Separate the braided sheath wire from the inner layer of insulation.



Step 4 - Shorten one inner conductor wire of both the cables to 1/2".

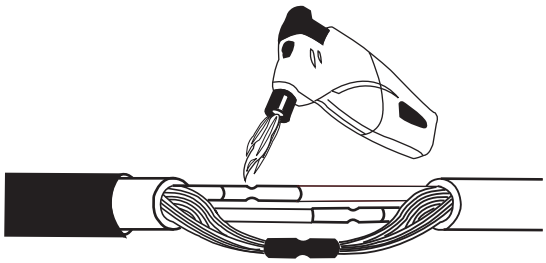


Step 5 - Place heat shrink lube over one side of the cable & then insert the inner conductor wires into each side of the crimp on connector.



Step 6 - Compress the crimp on the crimp solder connector on each side using crimp tool. Using a butane torch, carefully heat crimp connectors to seal crimp and melt solder. Do not overheat connector as damage may result.

Heat Connector with Butane Torch



Step 7 - Insert both Ground leads into the uninsulated crimp connector and crimp.

Step 8 - Slide the heat shrink tube over the complete joint and shrink it with a hot air pistol. Do not use a naked flame.