



## Instructions For Snow Melt & Slab Heat Cable Repair

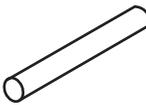
EFFECTIVE: August, 2020

### Items needed:

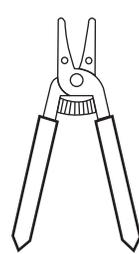
#### 1) A Splice Kit

  
2 - 20 - 18 AWG  
Sealed  
Crimp + Solder  
Connectors  
FASTENAL  
P/N: 07009714

  
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



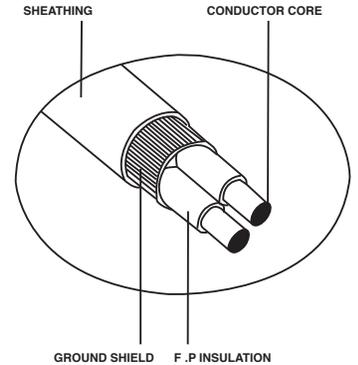
Crimping tool



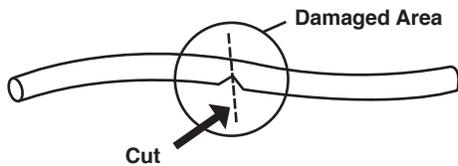
Butane Torch



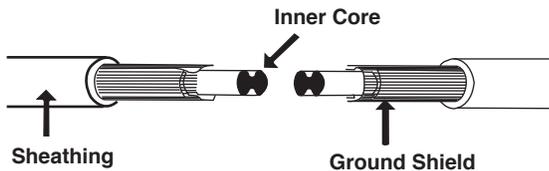
Hot air pistol



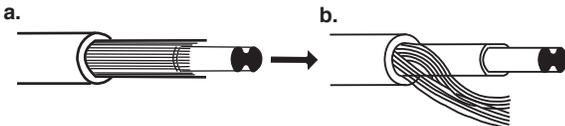
**Step 1** - Determine where the damage is and make a clean cut through the wire.



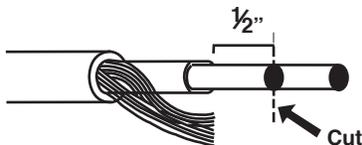
**Step 2** - Using wire strippers, strip 1" of the outer insulation from both cables.



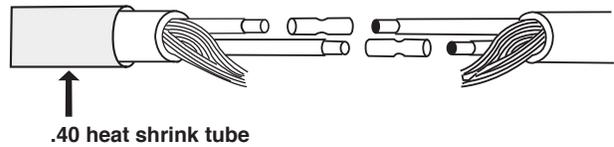
**Step 3** - Separate the braided sheath wire from the inner layer of insulation.



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

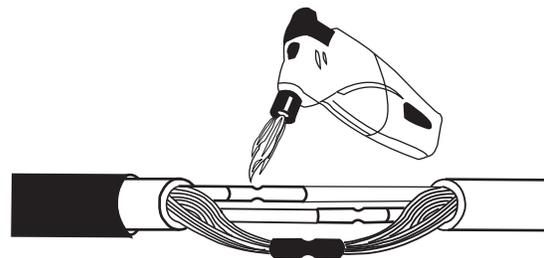


**Step 5** - Place heat shrink tube over one side of the cable & then insert the inner conductor wires into each side of the crimp on connector.



**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.

