

Items needed:

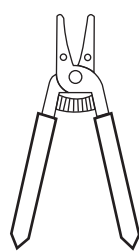
1) A Splice Kit

1 - 14 - 16 AWG
Uninsulated butt
connector.
FASTENAL
P/N: 58615

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

1 - 3/8" x 6" Flexible, Adhesive-Lined Heat
Shrink Tube. FASTENAL P/N: 0714596

2) Tools



Wire strippers



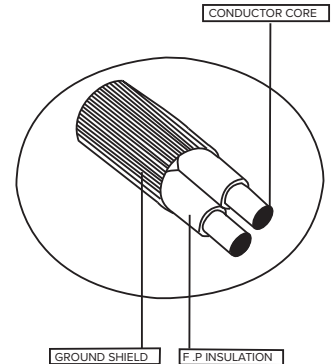
Crimping tool



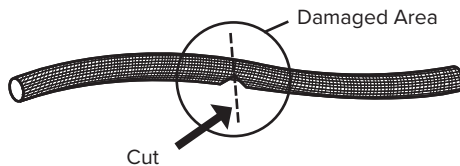
Butane Torch



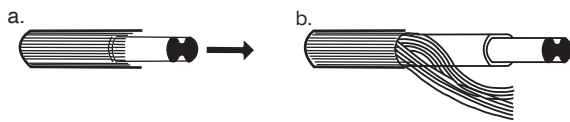
Hot air pistol



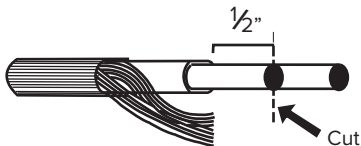
Step 1 - Determine where the damage is and make a clean cut through the wire.



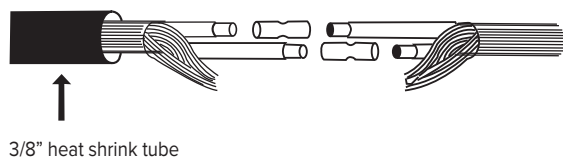
Step 2 - Separate the braided sheath wire from the inner layer of insulation.



Step 3 - Shorten one inner conductor wire of both the cables to 1/2". Remove 1/4" of insulation from each inner conductor.

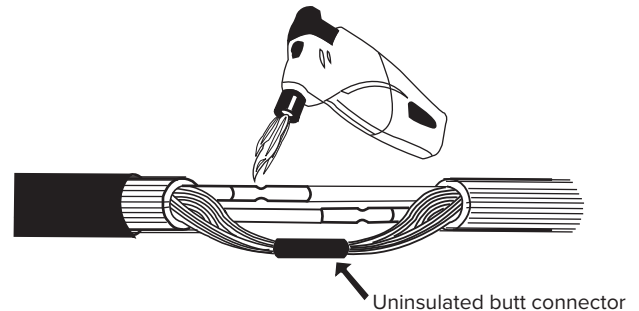


Step 4 - Place heat shrink tube over one side of the cable then insert the inner conductor wires into each side of the crimp-on connector.



Step 5 - Compress the crimp-on connector on each side using crimp tool and overlap both braided sheath wires and connect them with the uninsulated butt connector connector. Using a hot air pistol, carefully heat crimp connectors to seal crimp and melt solder. Some hot air pistols do not get hot enough to melt solder in the sealed crimp butt splice connector. A butane torch can be used to melt this solder. Be sure to not overheat the connectors with the torch. Damage can result.

Heat Connector with Butane Torch



Step 6 - Slide the heat shrink tube over the completed joint and shrink it with a hot air pistol. Do not use a naked flame. Verify sealant flow at both ends of the tube. There should be clear glue at each end of the tube. This will ensure a waterproof seal.

