

USING WATERPROOF CRIMP-STYLE SPLICE CONNECTORS

You may use the waterproof crimp-style splice connectors (simple referred to as splice connectors) to connect any system cables.

TOOLS AND MATERIALS NEEDED

You may need some of the following tools and materials in order to splice cables. Please be sure you have everything you need before beginning.

- ◆ Pliers
- ◆ Wire Stripper or Knife
- ◆ Cable Clips or Weather-Resistant Cable Ties

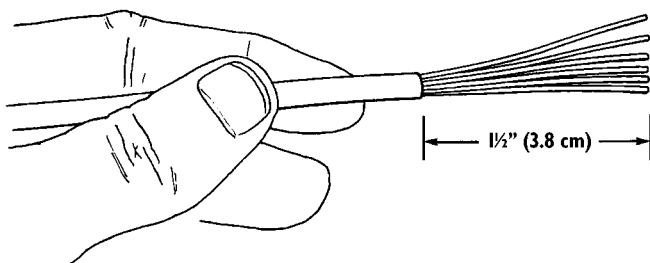
TIPS ON MAKING CONNECTIONS

For the best connection, note the following suggestions:

- ◆ Try to place the connection between cables inside a building, underneath an eave, or in another location similarly shielded from rain.
- ◆ When securing cables, place a cable clip or tie on each side of the connection point so the movement of the cables does not cause the connection to pull apart.
- ◆ It is a good practice to leave an extra length of cable near the connection point in case future adjustments or repairs are necessary.

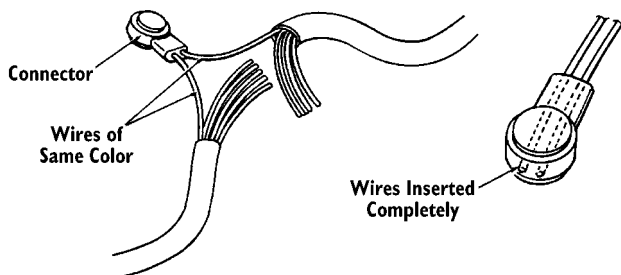
CONNECTING CABLES

1. Use a wire stripper or a knife to strip away about 1½ (3.8 cm) inches of the jacket (the outer covering) and shield (the foil-like inner covering on shielded cables) of the cable. Do not strip away any of the colored insulation on the individual wires. Repeat this procedure for the end of each cable you are connecting.



STRIP SHIELDING

2. Take a wire from one of the cables and place it into one of the holes at the end of a splice connector. Make sure you push the wire all the way in. You can check this by looking through the clear side of the splice connector.
3. Take the same colored wire from the other cable and place it into the other hole at the end of the splice connector. Make sure you push the wire all the way in. You can check this by looking through the clear side of the splice connector.

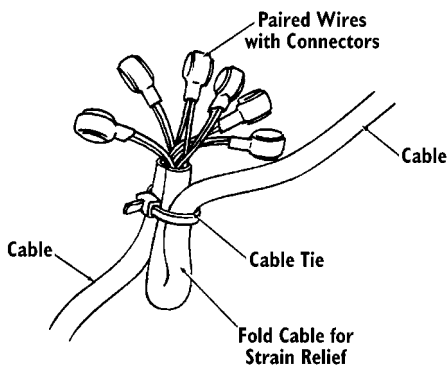


USING SPLICE CONNECTOR

4. Use pliers to snap the yellow cap into place, securing the wires.
5. Repeat this procedure for each set of colored wires and the bare drain wires.

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6. Use a cable tie to secure the two cables together as shown below.

Doing this provides a measure of strain relief which should prevent the wires from pulling apart under normal conditions. Cut off the excess cable tie when it is secure.



PROVIDING STRAIN RELIEF

7. Gather the wires and splice connectors neatly together and secure in a protected location.

Product Numbers: 7960

Davis Instruments Part Number: 7395-117
Waterproof Crimp-Type Splice Connectors
Rev. C Manual (7/7/99)

This product complies with the essential protection requirements of the EC EMC Directive 89/336/EC.

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