LED Light System

How to Shorten Low Voltage LED Light Strip Cables

These low voltage cables connect the Light Strips on the Awning to the Light Control Box.

NOTE: This is NOT for the Power Cord that plugs into the wall outlet.

**WARNING:**
- FAILURE TO FOLLOW THESE INSTRUCTIONS CAN RESULT IN PERSONAL INJURY!
- CABLES MUST BE DISCONNECTED AT BOTH ENDS BEFORE ATTEMPTING THIS PROCESS.
- PLEASE READ THESE INSTRUCTIONS IN ITS ENTIRETY BEFORE ATTEMPTING TO COMPLETE THIS PROCEDURE.

**Tools Needed:** Pliers, Wire Cutters, Wire Strippers, Ruler, Jewelers’ Screwdriver, Marking Pen

1. Notice the Cable end that is molded permanently to the cable. This end cannot be shortened. See Fig. 1.

2. Notice the Cable end that includes removable parts. This end can be shortened. See Fig. 2.

3. Unscrew the Compression Fitting at the end while holding the Connector Body. Slide the Compression Fitting away from the Connector Body, along the cable. See Fig. 3.

4. Hold the Tip of the connector and unscrew the Connector Body. See Fig. 4.

5. Slide the Body along the cable. Notice the Fingers under the Compression Fitting that need to be slightly loosened by wiggling the cable, to move the Body. See Fig. 5.

6. Slide the Body away from the tip, exposing the back of the Connectors. See Fig. 6.
7. Choose **ONE Colored Wire**. Use a marking pen to mark this Wire and its connector so the correct Wire is connected back to the correct Connector during reassembly. See **Fig. 7**.

8. Using the jeweler’s screwdriver, unscrew the top Screws on each Connector, releasing the wires. Separate the cable from the Connector. See **Fig. 8**.

9. Cut the cable to the desired length. **Note**: Leave extra length. Do not cut the cable too short.

10. Strip 3/8” of white outer Jacket off the cable. See **Fig. 9**. **CAUTION**: Use care to not damage the insulation on either of the two low voltage wires inside the cable.

11. Strip 1/8” of insulation off each wire sticking out of the cable. See **Fig. 10**. **CAUTION**: Use care to not damage the copper wire strands.

12. Insert the Wires, one at a time into the Connectors. Tighten the top Screw on each Connector, after inserting the Wire. See **Fig. 11**. **Note**: In Step 7, **ONE Wire and Connector** were marked to identify proper connection during reassembly.

13. Slide the Body toward the Connector, while holding the cable. See **Fig. 12**.

14. Screw the Body onto the Connector. See **Fig. 13**.

15. The black Collar fits under the Fingers. See **Fig. 14**.

16. Screw the Compression Fitting onto the Body. See **Fig. 15**.

17. Test for proper operation.

18. If the lights do not work, check the following:

   a. Ensure the correct color wire is connected to the correct connector. Refer to **Step 7** and **Step 12**.

   b. Ensure proper connection of each wire inside each connector. See **Step 12**.

   c. Check each wire for copper strands that short out to the other connector. They must not touch each other or the lights will not work.