HOW TO USE HEAT SHRINK TO SEAL LED POWER LEAD EXTENSIONS

Many of our light kits include 1/8” and ½” adhesive heat shrink tubing for use with extending LED power lead cables. The process works for both 2 conductor and 4 conductor power lead cable. Here’s an overview of the process.

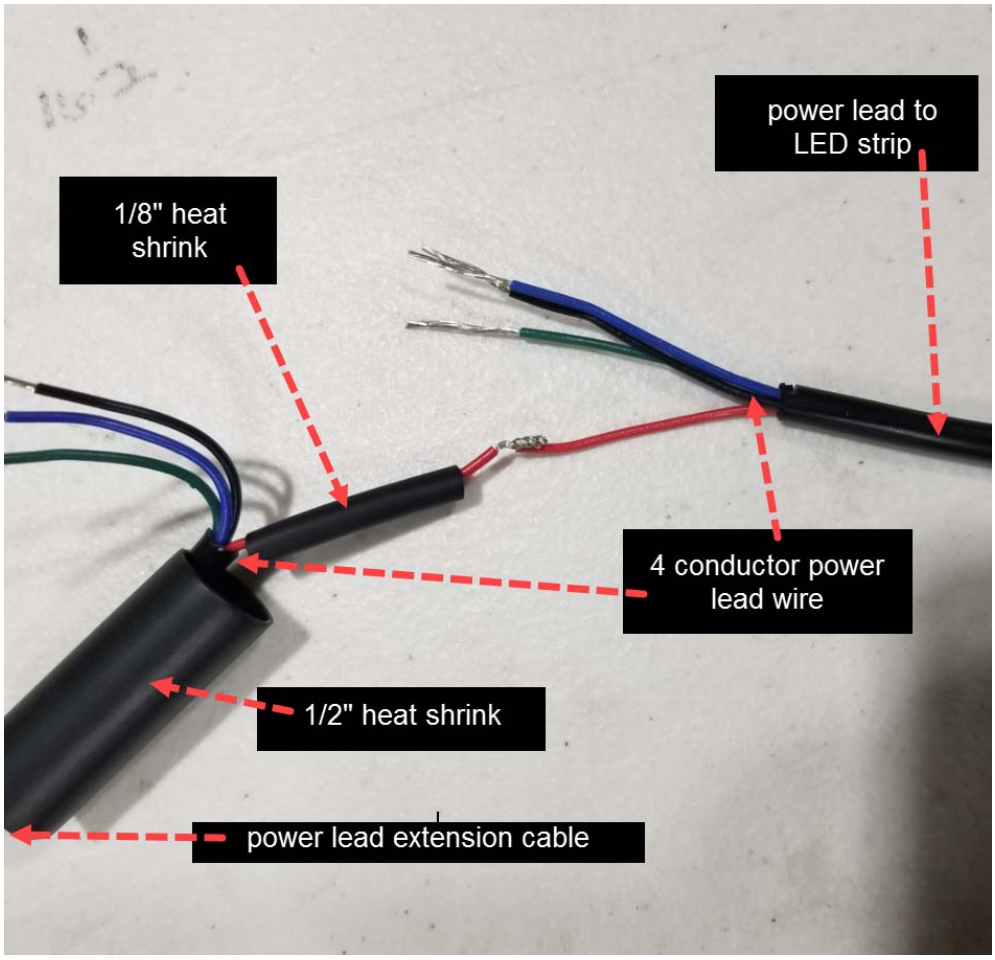
1. Strip back the insulation on the power lead cables you want to extend. This includes both the outer and inner cables.
2. Slide the 1/8” heat shrink tubing over a single power lead cable (e.g. just the red cable as shown in our photo below).
3. Slide the ½” heat shrink tubing over the entire cable. In our photo, you’ll see we’re using 4 conductor cable.
4. Tightly twist together to power lead cables. In our photo, we’re using the red inner power leads from both cables. Super important that when you twist these two wires together that none of the individual wire strands are sticking outward such that they might puncture the heat shrink seal. Cut back any excess wire.

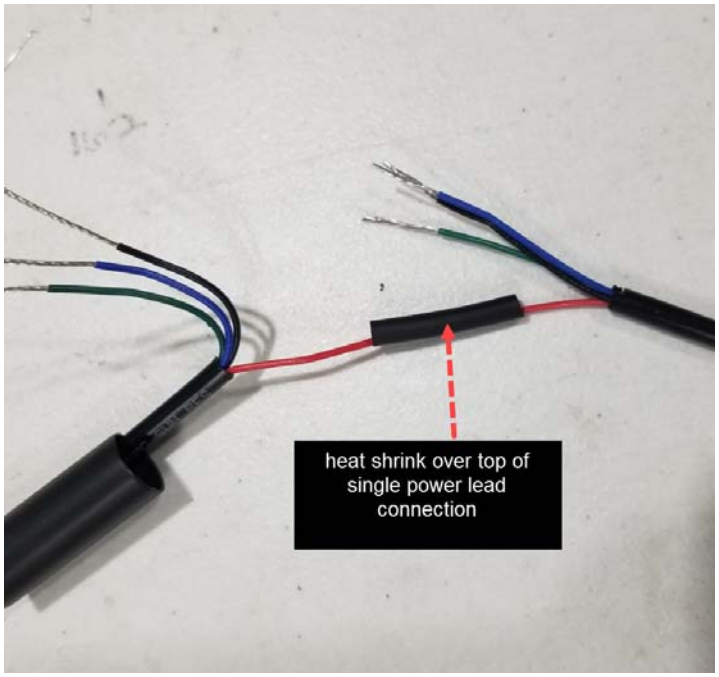
5. Slide the 1/8” heat shrink over the exposed twisted wires. Make sure the length of the 1/8” heat shrink tubing you are using is long enough to cover any exposed copper wire.

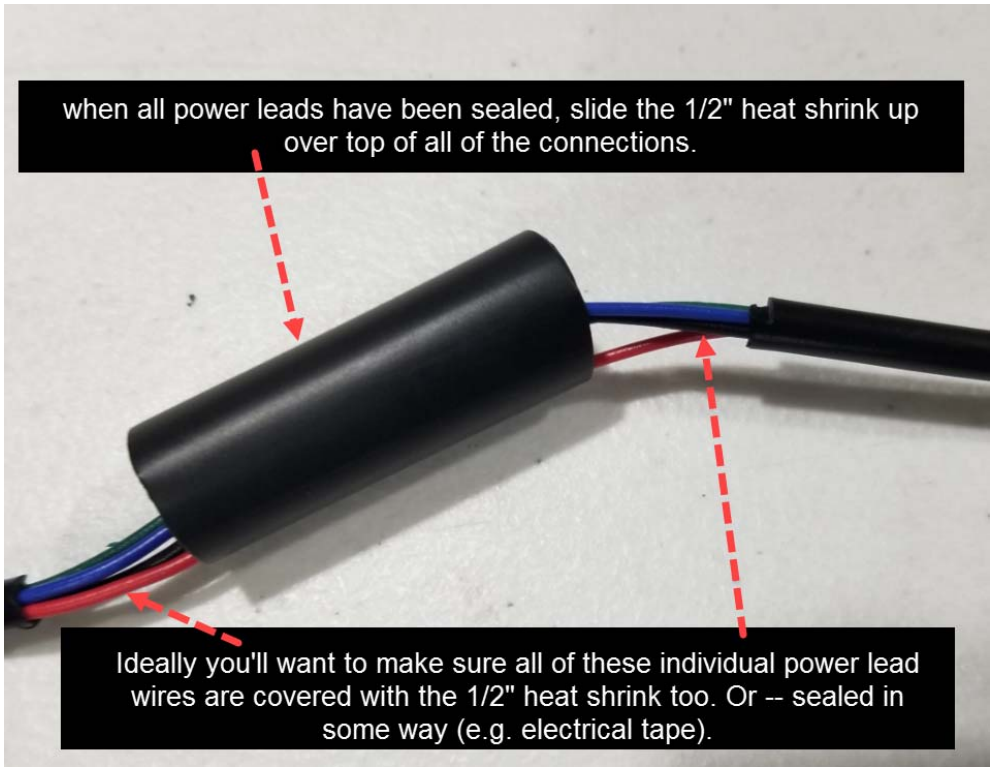
6. Using a heat gun, apply heat to the heat shrink and seal that one power lead connection.

7. Repeat steps 4, 5 and 6 above for each of the remaining power leads (green, blue and black cables in our example).

8. When all 4 power leads have been connected and sealed with 1/8” heat shrink, slide the ½” heat shrink over top of all four power lead wires and apply heat to seal.




heat shrink over top of single power lead connection


when all power leads have been sealed, slide the 1/2" heat shrink up over top of all of the connections.
Ideally you'll want to make sure all of these individual power lead wires are covered with the 1/2" heat shrink too. Or -- sealed in some way (e.g. electrical tape).