

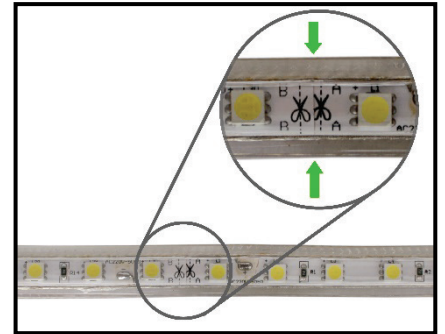
LED LONG RUN STRIP – INSTALLATION INSTRUCTIONS

LED-LS50XX

The wires in the Long Run strip are directional and must be connected the correct way around. If the strip is not working, simply move the power connector to the opposite end of the strip. If many lengths of strip are being connected together, it is easier to test each length is working before proceeding with the next.

Cutting the Long Run Strip Light

Cut the strip to the desired length. Cut only at the marked locations (every 1m), using a pair of scissors or carton knife. Be sure the cut is clean and vertical. Bend the strip to the left approximately two inches from the end and trim off any excess wire that might protrude. Bend the strip to the right approximately two inches from the end and again trim off any excess wire that might protrude with side cutters.



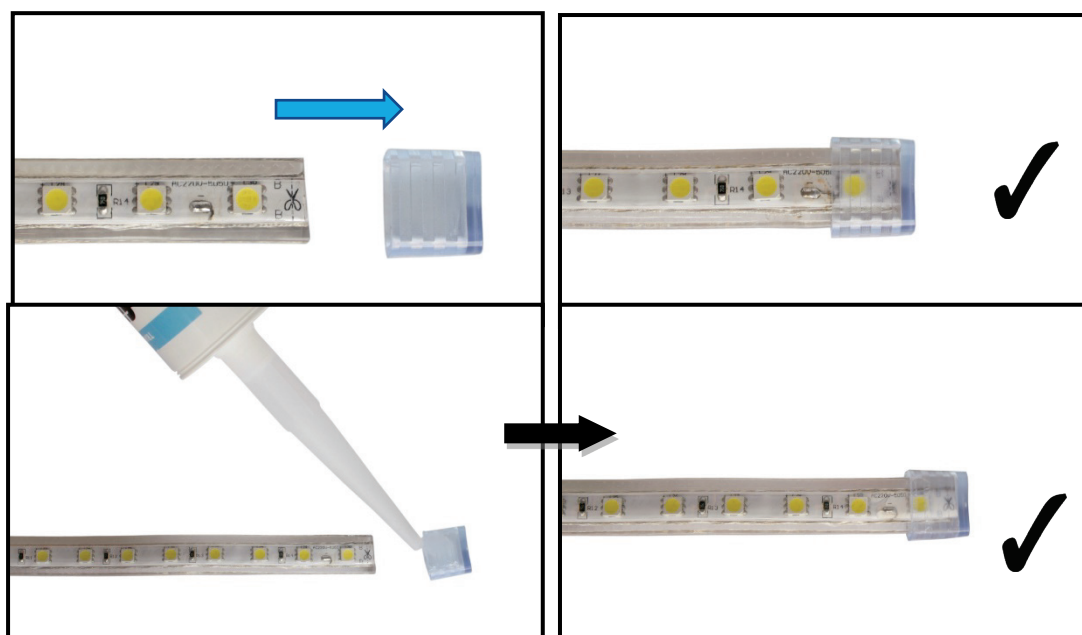
Apply End Caps

End caps are required at the exposed end of the Long Run strip for both waterproofing and safety.

Caution: Never install accessories with the strip plugged into the power.

Waterproofing End Caps

Put clear silicone into the end cap then push it firmly onto the end of the Long Run strip not attached to the power cord. Squeeze out and wipe away any excess silicone that emerges from around the edge of the cap. The silicone will prevent the end cap from falling off and create a water-tight seal.

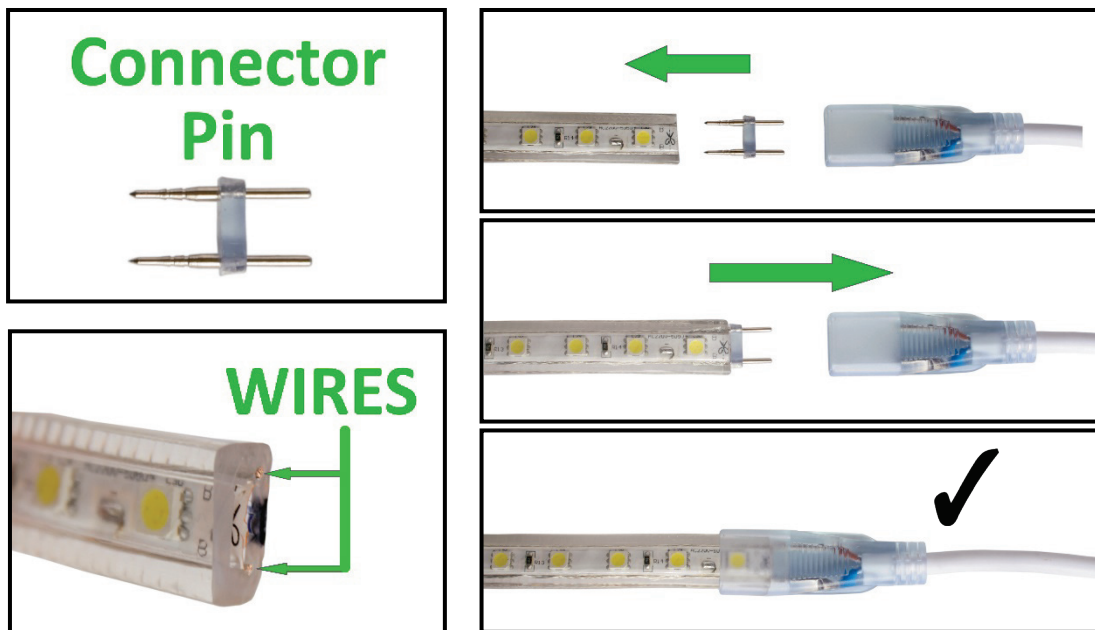


Attach Power Cords

Power cords connect the Long Run strip to a standard wall outlet. You must use the power cord supplied as it has a rectifier built in, which is an electrical device that converts alternating current (AC), which periodically reverses direction, to direct current (DC), which flows in only one direction. Installation of the strip without the rectifier in place will cause permanent damage to the Long Run strip.

Caution: Never install accessories with the Long Run strip plugged into the power.

Push the sharp ends of the pin connectors into the wires on the exposed end of strip until it stops. It's very important to push the pins in as level as possible to pierce down the wire length in order to make a good contact – check the pins are not angling off away from the wires inside the strip. Then slide the strip with the pins into the sleeve of the power cable socket, lining up the blunt connector pins with the pin sockets inside the power cable socket. Push firmly into place until it is in as far as it can go. For waterproofing, see the 'waterproofing connections' section below.



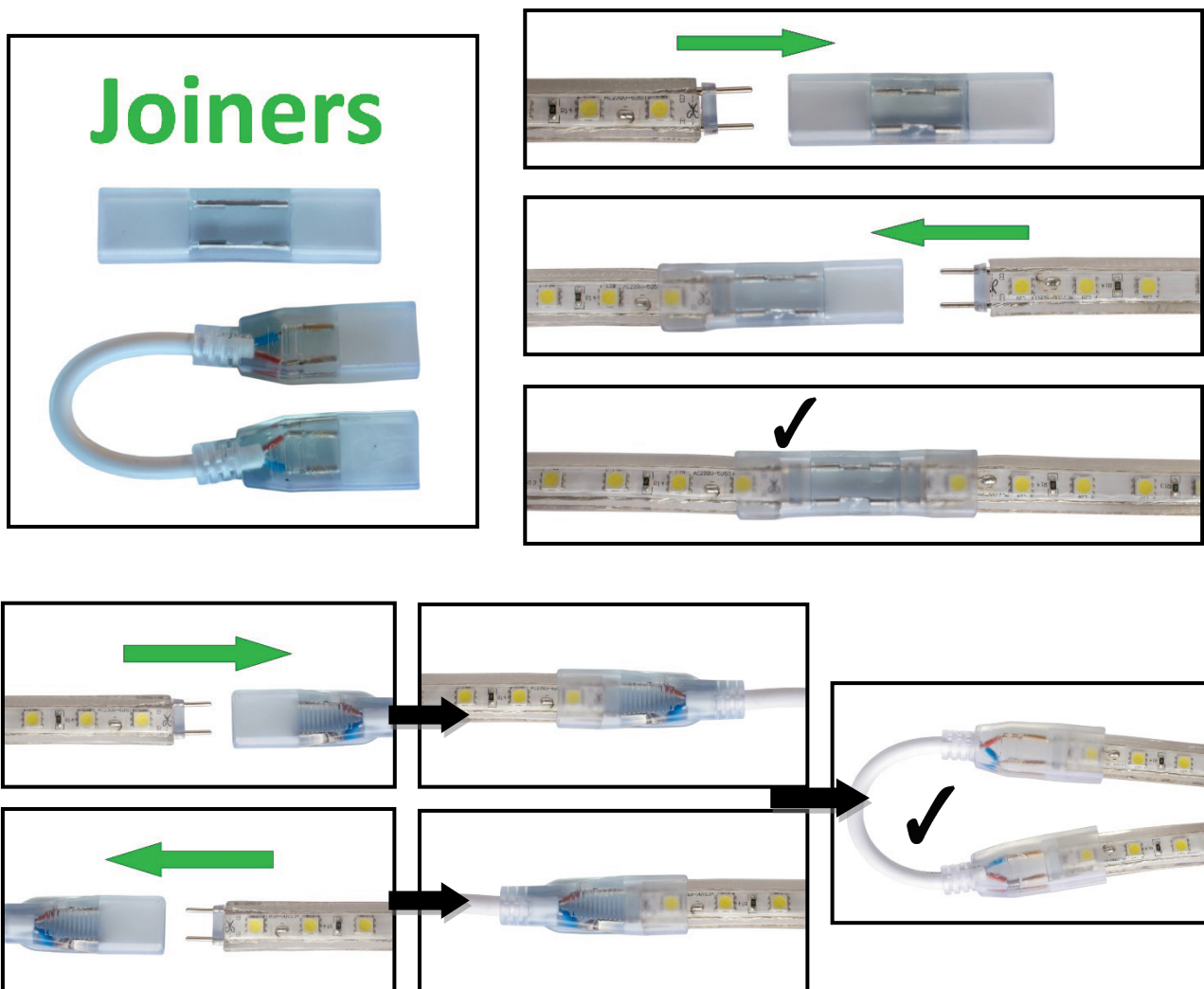
Important: For wet locations, seal the connection with silicone sealant and cover with glue lined heat shrink tubing.

Apply Inline Joiners

To connect two pieces of Long Run strip, use a joiner.

Push the sharp ends of the pin connectors into the wires on the exposed end of strip until it stops. It's very important to push the pins in as level as possible to pierce down the wire length in order to make a good contact – check the pins are not angling off away from the wires inside the strip.

Then slide the strip with the pins into the sleeve of the joiner socket, lining up the blunt connector pins with the pin sockets inside the joiner socket. Push firmly into place until it is in as far as it can go. Then do the same for the other section of the strip to join the two pieces together. Test the connection to make sure the second piece is installed the correct way around (if not then remove the sections from the power, and remove the section from the joiner. Then join the strip with the pin as above, and re-test).



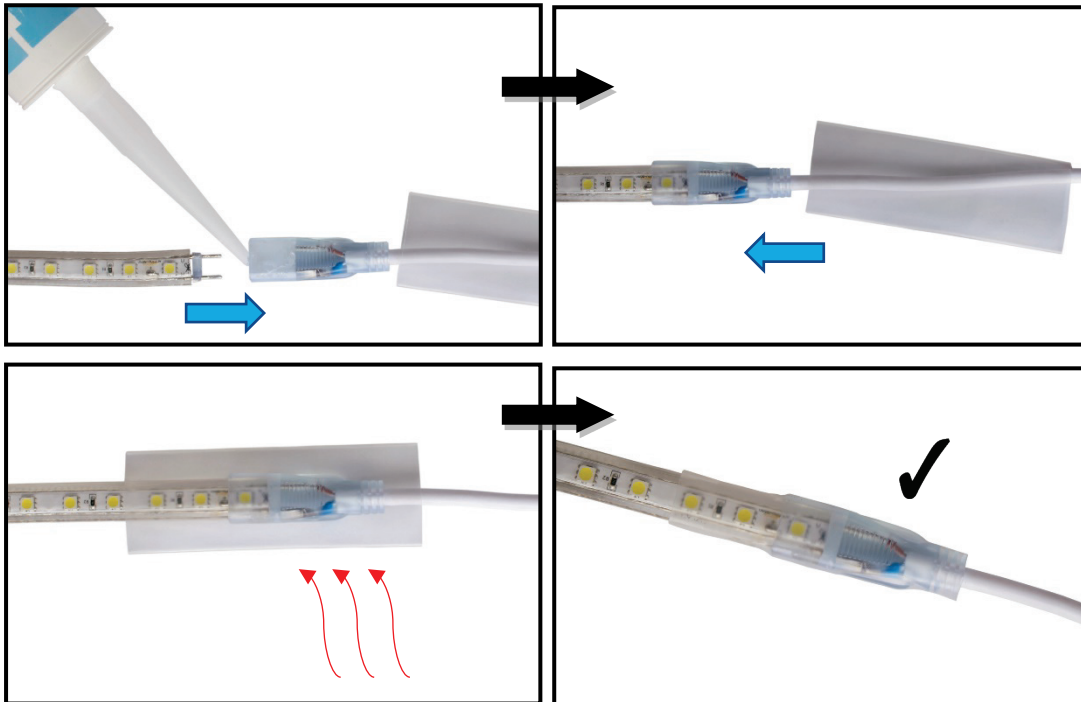
Important: For wet locations, seal the connection with silicone sealant and cover with glue lined heat shrink tubing (see 'waterproofing connections').

Waterproofing Connections

You will need:

- Clear silicone sealant
 - Heatshrink tubing ~24mm Diameter (any colour will do, but we recommend the black dual-wall tubing from Jaycar, as it has a glue lining which melts, and when set creates a good water-tight seal)
 - Heat gun or hairdryer
1. Place the heatshrink tubing over the Long Run strip, ready to slide into place over the connection. You may need to do this before you connect the strip to the power cord or joiner, otherwise run it down the strip from the other end. Make sure the tube is long enough to cover the connection with a little to spare.
 2. Check that your connection of the power cord or joiner to the strip is working - it's very frustrating to get to the end and find out it's not connected correctly!
 3. Place the silicone around the join, where the strip enters the connector.
 4. Slide the heatshrink tubing into place over the connection – it should cover the entire connection, then apply heat to the tubing evenly all around – it will start to shrink down and encase the connection. Let it cool.
 5. Let the connection sit for 24 hours before installation to let the silicone inside set and allow the connection to become robust.

For waterproofing end caps, see the 'Apply End Caps' section of this instruction leaflet.



Important: It's a good idea to test if the rope is connected properly and working before waterproofing connections.