Armacost LIGHTING
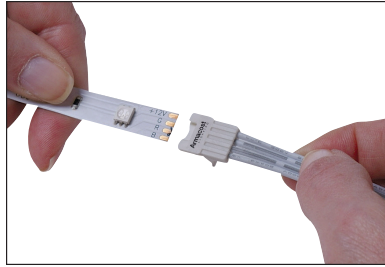

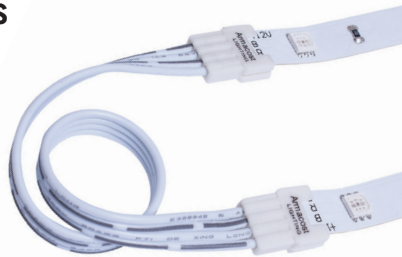# SureLock™ Connectors

For RGB LED Tape Lighting

Compatible with four-conductor, 10mm wide tape that has appropriate copper pad contact points.

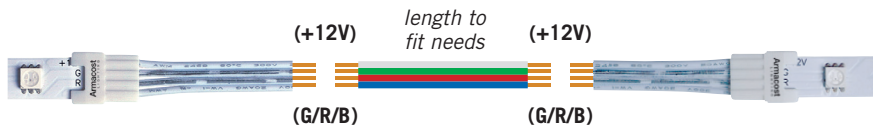**To view an online video tutorial, visit armacostlighting.com/surelock.**

SureLock™ Wire Lead Connectors

SureLock Wire Lead Connectors are used for going around corners or, when cut in half, to create two power leads (like jumper cables) for bridging gaps and extending wires.

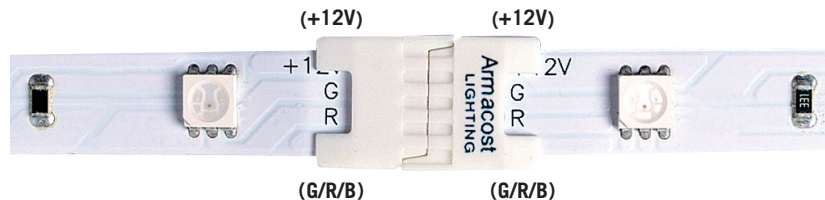**IMPORTANT:** Always use the +12V/G/R/B indicators printed on the tape light to maintain the same polarity.

To increase the wire length between two LED strips, simply splice in the extra wire. 20 gauge or heavier wire is generally recommended.

length to fit needs

(+12V)   **(+12V)**

(G/R/B)   **(G/R/B)**

Be sure all wire splice connections are secure and sealed. Options include soldering, electrical tape, crimp connectors, terminal blocks, wire nuts, etc.

SureLock™ Splice Connectors

SureLock Splice Connectors are used to join two strips, creating a continuous run of LED lighting.

(+12V)   **(+12V)**

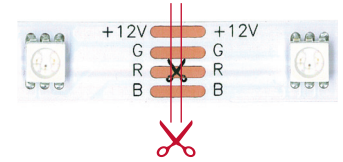**(G/R/B)**   **(G/R/B)**

If the +12V/G/R/B marks do not line up, flip the tape strip and use the opposite end for proper +12V/G/R/B alignment.
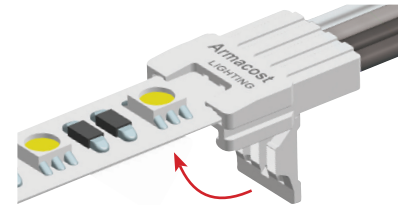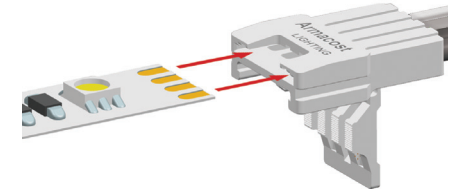
How to use SureLock Connectors

SureLock Connectors – both the wire lead and splice models – connect to the copper pads on cut sections of LED tape lighting. Connect to only clean copper pads. Do not use connectors on soldered joints.
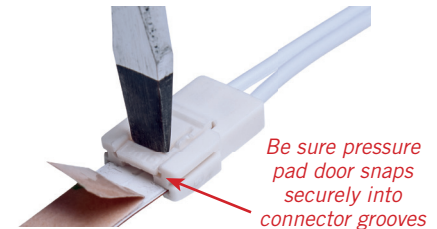
IMPORTANT: If the RGB LED tape you are using has a scissors symbol printed on the copper pads, carefully cut to either side of the scissors symbol, as shown. Discard the small center section with the scissors symbol, as some ink is not conductive and could interfere with the connection. If there isn't a scissors symbol, cut in the center of the copper pads. Always use sharp scissors. If your LED tape model has very short copper pads, you may have to cut to one side or the other of the pads to leave sufficient copper surface area, so the SureLock connector can make proper contact.

- Carefully peel back a small section of the adhesive tape paper backing – remove only the paper, not the adhesive underneath.

- With the connector in an upright position (logo facing up), carefully insert the LED tape into the channel grooves, as shown at right.

- Use a gentle, side-to-side motion while inserting to make sure the tape light is seated <u>fully inside</u> the connector.

- Once the lighting is seated, push to close and securely lock the pressure pad door. If needed, put the tape and connector upside down on a hard surface and use a flat head screwdriver to close and lock the door in place.

Once tape is fully inside connector, close and lock pressure pad door.

Be sure pressure pad door snaps securely into connector grooves

Use a flat head screwdriver to securely lock door if necessary.

- Perform an overall power test to ensure that all connections are secure and all LEDs light before final installation.

Follow the same basic instructions when using SureLock Splice Connectors.

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