

Available Kits

Description	Package Quantity	Order Quantity
Starter Kit	EA	
Basic Kit	EA	
Professional Kit	EA	
Road Warrior Kit	EA	

Molds

Description	Specify Wire Gauge	Order Quantity
Butt Splice	12-10	
Butt Splice	16-14	
Butt Splice	22-18	
Hanger/Ring	12-10	
Hanger/Ring	16-14	
Hanger/Ring	22-18	

Supplies

Description	Package Quantity	Order Quantity
Sealant Sticks	1-24	
Sealant Sticks	25	
Sealant Sticks	100	
Mold Release	2 oz	
Wire Cleaner	2 oz	
80w Melting Gun	1	
Wire Stripper/Crimper	1	
Crimper	1	
Compact Clamp	1	
Large Clamp	1	

Description*	10-12 Gauge Yellow	14-16 Gauge Blue	18-22 Gauge Red
Butt Splices			
2 to1 Butt Splices			
Ring Terminals #8	N/A	N/A	
Ring Terminals 1/4			
Ring Terminal 3/8			

Visit www.spliseal.com for the latest product and pricing info.



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Connection Protection

INTRODUCTION

SpliSeal is a revolutionary new way for you to make professional, sealed connections almost anywhere. Our high tech potting polymer seals conductors and connectors to virtually eliminate contamination and subsequent failure of the connection. Our high quality Aircraft Aluminum molds and supplies ensure you years of service and our durable American made toolbox helps you organize and protect your investment (not included with the starter kit).

Please take a moment to read over the Safety section; nothing you can do with SpliSeal is worth getting hurt, so take the time to familiarize yourself with safe operating procedures. If anything in the Safety section is unclear, be sure to contact a SpliSeal representative for clarification.

Before you start sealing splices, read through the Operating Instructions and the Techniques and Tips section; reviewing these sections will ensure that your SpliSeals will be of the highest quality, first time, every time. We highly recommend making up a couple of test pieces using the same wire and connectors you will be sealing, and practicing on those before starting work on the splices you intend to seal.

Be sure that you have a clean, stable surface to set the gun on while it's heating up and after you've made a SpliSeal. Remember that the tip of the gun and the melted sealant can reach 400°F, so be sure the area is free of flammable and combustible materials and make sure that the surface the gun is resting on will not be damaged if it comes in contact with the gun tip or hot sealant.

- 6 Give the sealant 60 seconds to cool (longer if the mold is warm) before removing the clamp. Remove the sealed connection from the mold and inspect it carefully for flaws or exposure of the sealed connector. Minor touch-ups can be made by depositing small amounts of sealant directly from the gun tip. Once you're happy with the integrity and appearance of your seal, you can clean off any molding flash around the wires and break or cut off the sprue.



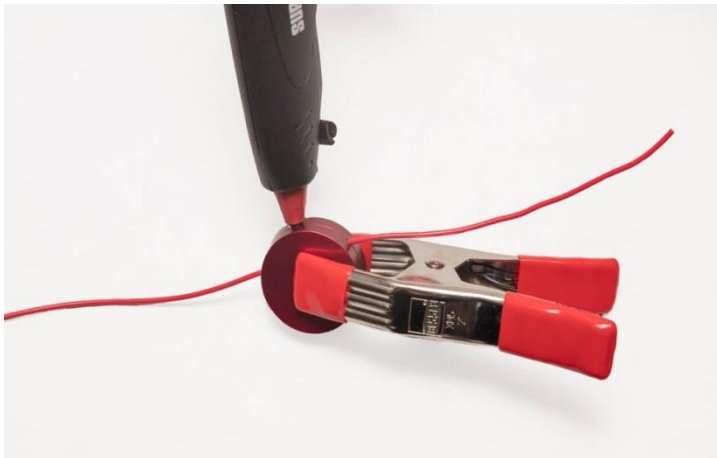
- 7 Unplug your gun when splicing is completed.

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- 4 Place the other half of the mold over the pins and secure the mold halves together with the provided clamp



- 5 Once your Gun is fully heated (you can check by squeezing a little sealant out onto a safe surface), place the gun nozzle into the injection port of the tool and rapidly squeeze the trigger until you feel some resistance. After a few strokes, you may notice sealant oozing out past the wire and you'll feel resistance against the trigger. On the last pull of the trigger, raise the nozzle from the injection port and make a small puddle of sealant about 1/4" in diameter. This will allow the splice to pull in extra material as the sealant shrinks a little as it cools.



SAFETY

Please read this section carefully before each use and always work safe.

1. Wear safety glasses and protective gloves. Sealant is injected at approximately 400°F, under pressure and can flow in unexpected directions.
2. Do not expose gun to rain or moisture. Take extra care when working outdoors to keep gun dry.
3. Keep gun and supplies away from children and pets and store in locked area when not in use.
4. Do not carry gun by cord or unplug from outlet by pulling electrical cord.
5. Unplug gun when not in use. Do not leave gun unattended when it is plugged in.
6. Do not use gun with undersized extension cords. Be sure any extension cords used are heavy enough to carry the amperage load of the gun you are using.
7. Do not use any material other than recommended sealants.
8. Avoid accidental discharge—do not touch sealant stick or trigger except to dispense sealant. Feeding or pushing glue stick with too much force into heated gun may cause hot sealant to unexpectedly expel from nozzle or to flow back from inlet tube, causing potential injury or gun damage.
9. Review these instructions before each use.
10. Be sure your work area is clean, dry, well-lit and free of flammable and combustible materials. Do not use in areas where fumes may collect that could cause a fire or explosion.
11. Be sure all splices have a good electrical and mechanical connection—no amount of insulation will protect a poor quality splice from failing. Property damage and death can occur as a result of improper connections.
12. Do not use near heat sources.

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TECHNIQUES AND TIPS

Here are a few things you can do to ensure high quality seals every time.

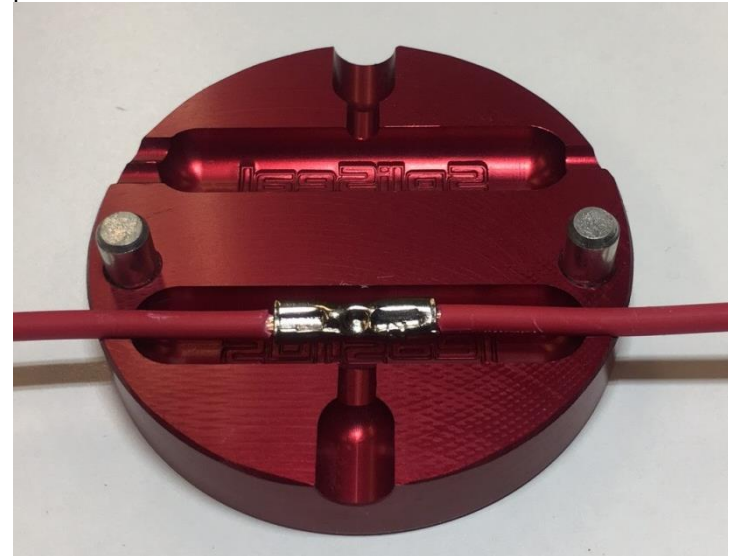
1. Take your time. Allow plenty of time for setup, sealing and cleanup. Working in a rush leads to poor workmanship and potential injury. You've chosen to use the best sealing method available—take the time to do the job right the first time.
2. Spray the molds with mold release prior to first use and periodically thereafter. (Approximately 25-30 uses)
3. Make sure the wires and connectors being sealed are clean. Dirt, grease, and oils (even the oil from your skin) can cause poor adhesion of the sealant to the connection. Clean the connection and surrounding wires before placing them in the mold. Straighten wires to keep connector centered in mold.
4. Use a marker to confirm alignment of the connection in the mold. This will ensure that the connector is well centered and completely covered with sealant.
5. Keep injecting sealant until you feel resistance against the trigger. The sealant stick may not move the same distance every time you pull the trigger, so be sure the mold is full before pulling the gun away from the injection port. Remember to raise the gun and make a small pool of sealant above the injection port to allow for shrinkage.
6. Use the proper mold for the connector being sealed. Using a larger or smaller mold will cause excessive sealant usage or poor protection of your connector. See the back page of this booklet for additional molds
7. Use only SpliSeal recommended sealant sticks, clamps and guns. Our sealant sticks are specially blended to provide higher strength and flexibility than a hot glue stick. Larger clamps or vise grips can damage your molds. A high temperature gun is required. Don't risk your seal by using a craft-type gun.

Visit www.spliseal.com for more tips and instructional videos.

OPERATING INSTRUCTIONS

Be sure your work area is clean and well lit.

1. Plug in your SpliSeal Melting Gun and install the SpliSeal sealant stick you plan to use.
2. While the gun is heating up (about 5 minutes), make sure the connector being sealed has a good mechanical and electrical connection - if there is any doubt about the integrity of the connection, now is the time to make sure it's right. **Be sure the mold has been sprayed with mold release to ensure easy removal of the sealed splice.**
3. Center the splice in the SpliSeal mold half with the alignment pins



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