



The World Leader in Vibrating Wire Technology

*48 Spencer Street
Lebanon, NH 03766, USA
Tel: 603•448•1562
Fax: 603•448•3216
E-mail: geokon@geokon.com
<http://www.geokon.com>*

Instruction Manual Cable Splicing Model 4500-9A,

No part of this instruction manual may be reproduced, by any means, without the written consent of Geokon, Inc.

The information contained herein is believed to be accurate and reliable. However, Geokon, Inc. assumes no responsibility for errors, omissions or misinterpretation. The information herein is subject to change without notification.

Copyright ©2012 by Geokon, Inc.
(Doc. REV Initial 10/12)

1. Cable Splicing– Geokon Model 4500-9A

Splicing together un-armored cable of various sizes

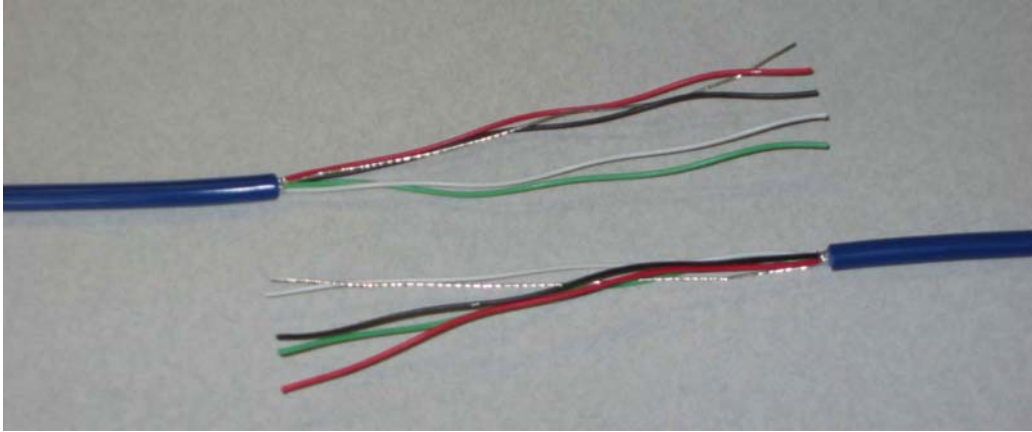
(Using an Uraseal CK200BSV Splice Kit)

Splice kit contents:

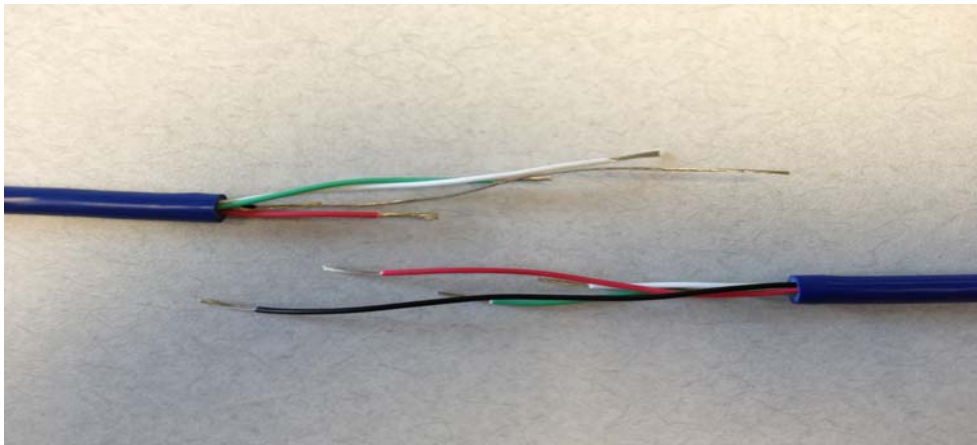


This encapsulant is non-hazardous and can be shipped worldwide as ordinary cargo. It is for use where it is not possible to find and use the more standard **3M Scotchcast™ Model 82-A1 Splice Kit** which is preferable on account of it being easier to use.

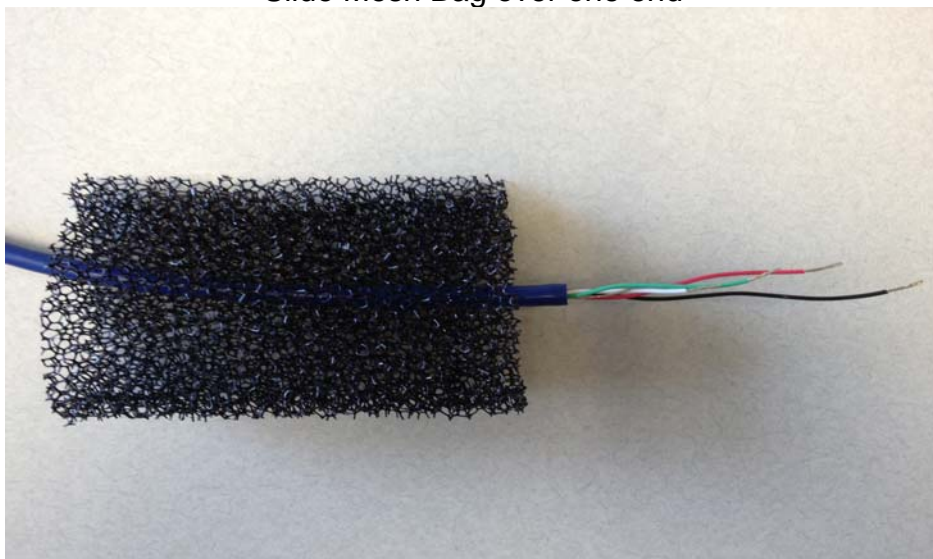
Strip cable jacket 3.5 inches



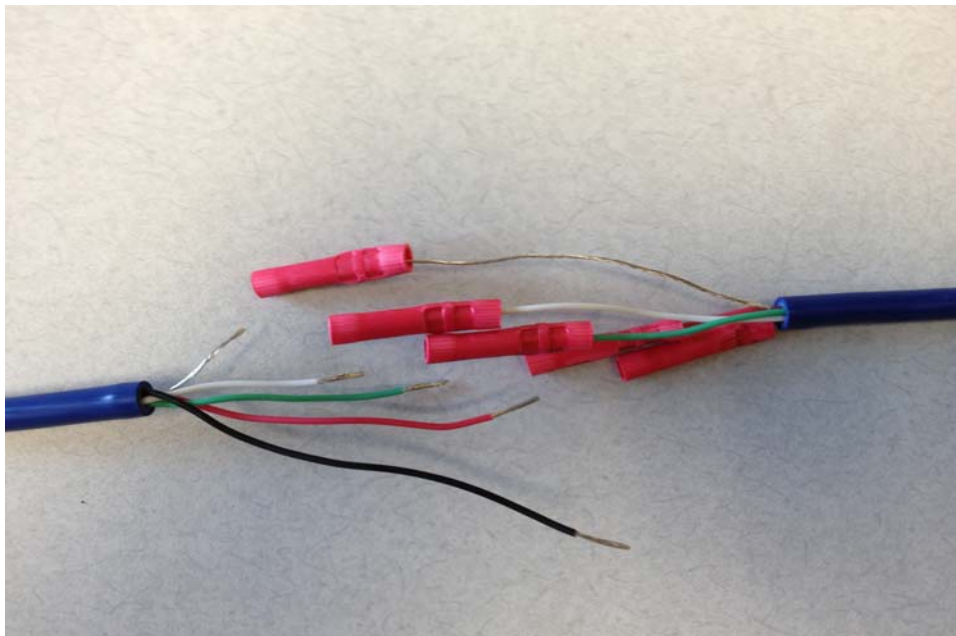
Cut conductors in staggered pattern and strip ends 3/8":



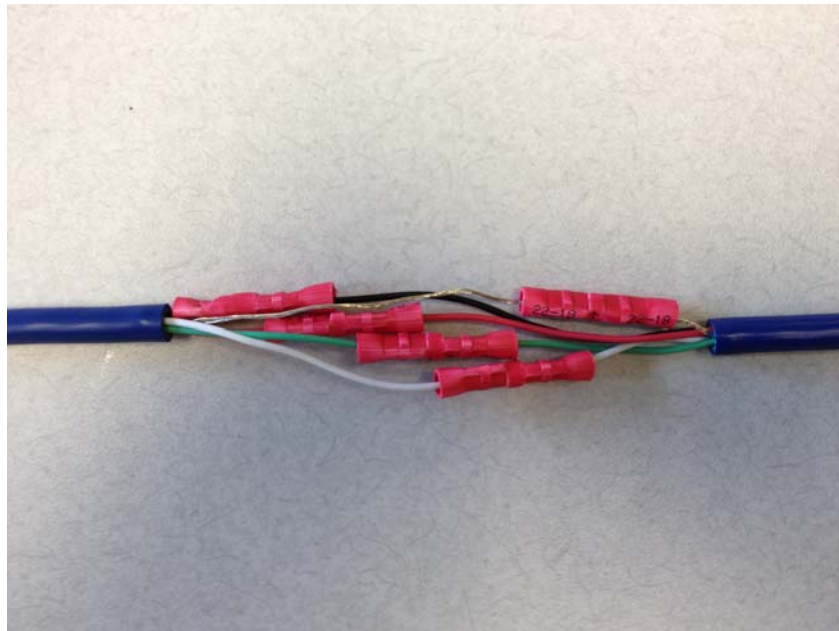
Slide Mesh Bag over one end



Crimp butt connectors to cable #1:



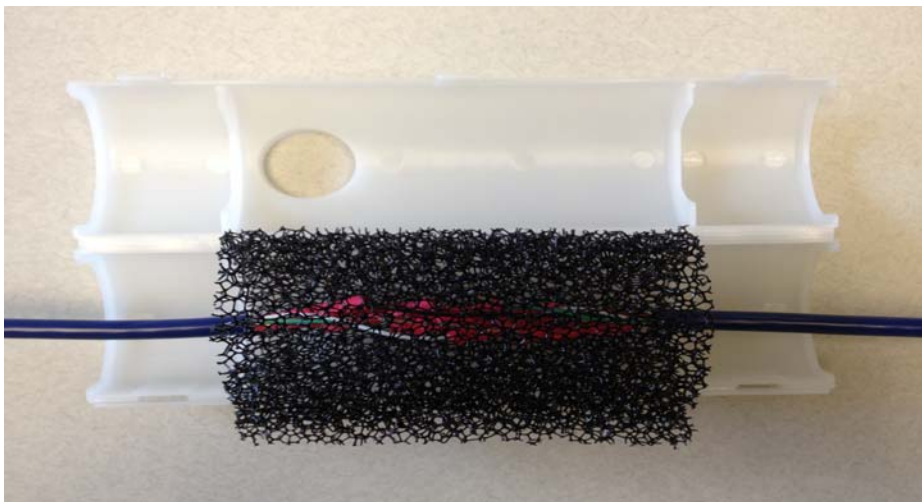
Crimp butt connectors to cable #2:



Gently twist cable:



Center the mesh bag/splice over one half of the mold:



Close the Mold until you hear all three snaps.



Fit Foam Stoppers in both ends **taking care that the splice remains centered**



Encapsulant Mixing Instructions

The encapsulant should be mixed and mold filled as per the directions on the back of the splice kit bag (“horizontal installation”). These instructions are copied below.

Wear disposable gloves.

With the encapsulant tube still in the mixing bag, point the heat-sealed end of the mixing tube away from you.

Temperature	Below 60 ⁰ F	Between 65 ⁰ F and 85 ⁰ F	Between 86 ⁰ F and 100 ⁰ F
Mix Time	Use alternate mixing method below	Shake for one minute	Shake for 30 seconds
<p>Alternative Mixing Method At Temperatures below 65⁰ DO NOT SHAKE. After flipping the white barrier, remove the tube from the mixing bag, cut the heat sealed end, remove the white barrier with the wooden paddle. Stir vigorously with the wooden mixing paddle for one minute to blend the two components together. Pour into enclosure fill port.</p>			

Flip the white barrier wafer with your thumb and forefinger to allow the two part encapsulant to mix. Refer to the chart below for mix time and shake the tube with an up and down motion as noted on the chart.

Once the encapsulant is mixed, open the mixing bag, unscrew the cap and squeeze the material out of the tube into the pouring spout. Slightly tilt the enclosure to let the air pockets escape from the enclosure.

Place a plug in the pour spout. The splice is now complete.

The completed splice looks like this.



Allow to encapsulant to solidify and cool before installation or burial.

NOTE! The encapsulant cures very fast! So be prepared to work quickly and keep the mixing time to a minimum. The mesh bag is to keep the splices from touching the sides of the molds. It does delay the filling of the enclosure and could be eliminated to speed things up.