

The CHECKFIRE In-line Splice Kit, Part No. 428375, is used to make splices in linear detection wire.

The splice kit consists of plastic splice bodies, Part No. 426783; plastic water-tight strain reliefs, Part No. 423546; and splice blocks, Part No. 433284. Each kit contains enough of each component to make up ten (10) complete assemblies.

When used with ANSUL® detection wire, the splice will provide an IEC IP68 level of protection against water intrusion. Additional protection is provided by filling the splice body cavity with Dow Corning 737 sealant, and also applying the sealant to the threaded connections of the strain reliefs during assembly.

To properly make a detection circuit splice, the following steps should be completed (see Figure 1):

1. Remove 3/4 in. (20 mm) of the wire outer jacket, exposing the internal Mylar wrap.
2. Remove 3/4 in. (20 mm) of the wire mylar wrap, being careful not to damage the internal heat sensitive conductors.
3. Strip 3/8 in. (10 mm) of heat sensitive insulation from the inner conductors, leaving 3/8 in. (10 mm) of insulation on each.
4. Loosen the compression nut of the strain relief assembly and slide the assembly over the end of the wire as shown in Figure 1. On the same wire end, slide the splice body onto the wire.
5. On the opposite wire, loosen the compression nut on another strain relief assembly and slide that assembly onto the wire.
6. Insert splice block on end of one set of exposed wires. Wires must be inserted far enough into splice block to protrude out the opposite side.
7. Insert other set of exposed detection wire through the opposite side of the splice block, again making certain that they protrude out the opposite side.
8. Tighten screws on splice block.
9. Once splice block assembly is completed on both sets of wire ends, apply Dow Corning 737 sealant to strain relief threads going into the splice body.
10. Securely tighten the strain relief into the splice body. **Note:** Do not tighten compression nut unto wire at this time.
11. Slide splice body assembly near splice block. Fill splice body approximately 3/4 full with Dow Corning 737 sealant and pull splice body assembly over splice block so splice block is located approximately half way inside splice body. This operation should result in the splice block being enclosed in the sealant.
12. Fill remainder of splice body cavity with the sealant.
13. Apply Dow Corning 737 sealant to the thread on the unattached strain relief lock nut and thread this strain relief assembly into the splice body.
14. With a wrench on both strain relief locks, simultaneously tighten both ends.
15. Complete assembly operation by securely tightening the strain relief unto the detection wire.

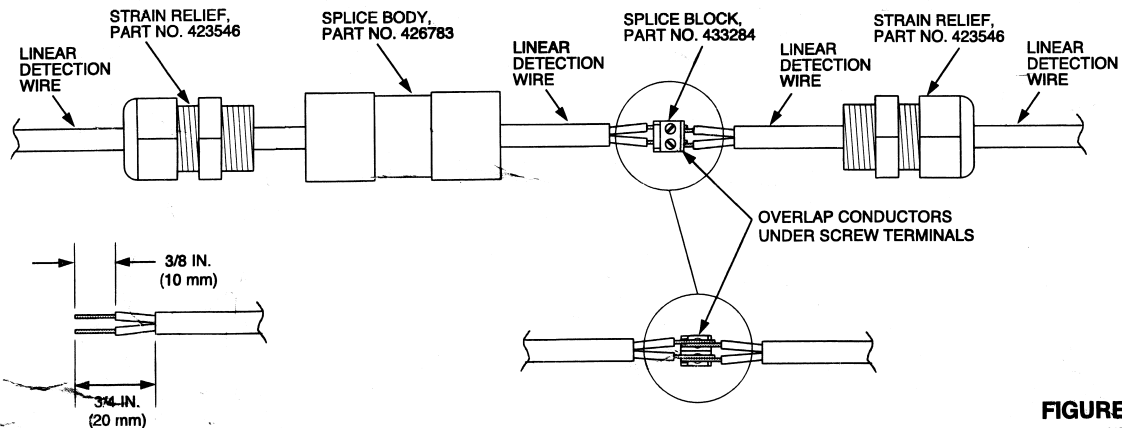


FIGURE 1
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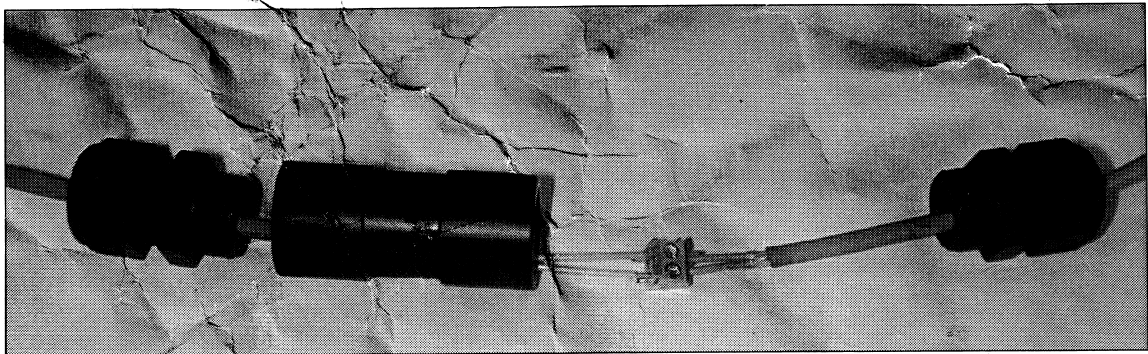


FIGURE 2
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