

Field Splice Kit

Installation Data

SUGGESTED TOOLS

- 59983-001 Crimping Tool
- 59989-001 Coax Stripper
- 59991-001 Wire Cutting Pliers

REQUIRED MATERIAL

- 62084-001 Field Splice Kit includes:
- (2) 59761-001 Gel-Connectors
 - (2) 34776-001 Cable Ties
 - (1) 62085-001 Splice Enclosure

Transmitter Wire (Belden 9802)

IDENTIFICATION

Badger Meter Field Splice Kit, P/N 62084-001 is provided for splicing Belden 9802 transmitter wire in the field. The major components are as shown in Figure 1.

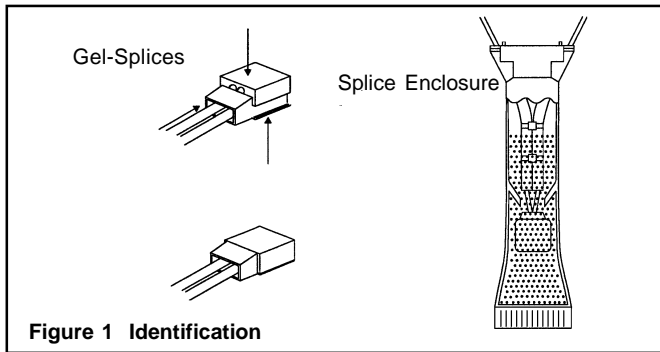


Figure 1 Identification

INSTALLATION

SPlicing TRANSMITTER CABLE

Strip approximately 3/4" of outer insulation sheath from the center LMI and Remote cables using the 59989-001 Coax Stripping Tool. Use caution in removing the outer sheath so that the inner signal wire insulation is not damaged.

Unwind the outer foil shield from each cable and cut it off even with the outer sheath using the wire cutting pliers. Cut the uninsulated shield drain wire even with the outer sheath using the wire cutting pliers (Figure 2.)

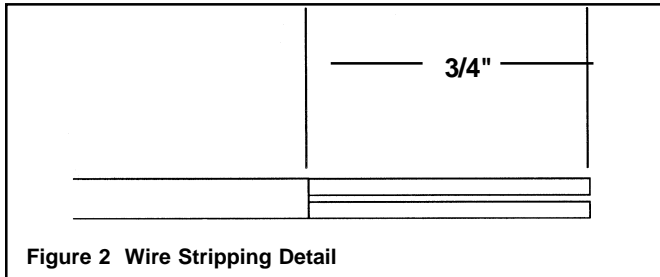


Figure 2 Wire Stripping Detail

Connect the conductors to the conductors using insulation displacement gel-filled splices P/N 59761-001 provided in the installation kit. Crimp the splices carefully and completely using a parallel jaw crimper such as Badger Meter P/N 59983-001. (See Figure 3.) Polarity MUST be observed when splicing cables. Badger Meter wiring standards use the black conductor as the negative (-) conductor.

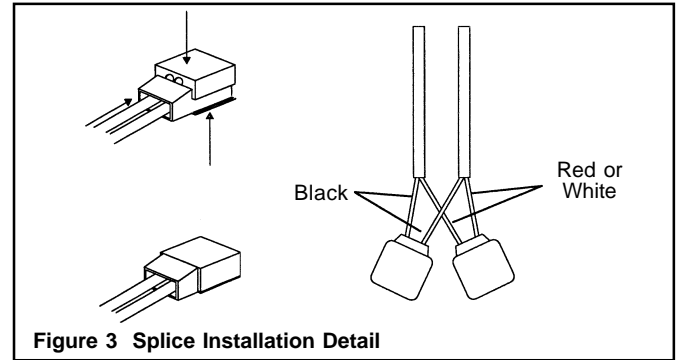


Figure 3 Splice Installation Detail

Place two plastic cable ties P/N 34776-001 on wires and tighten securely for strain relief. Remove excess cable tie with the wire cutting pliers.

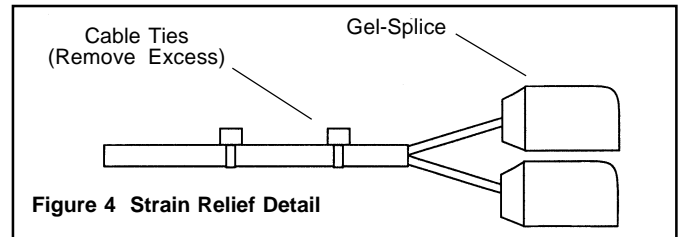


Figure 4 Strain Relief Detail

Insert the entire splice assembly into the silicone filled splice enclosure P/N 62085-001 as indicated in Figure 5. Close the cover with leads exiting alternate sides as indicated in the drawing.

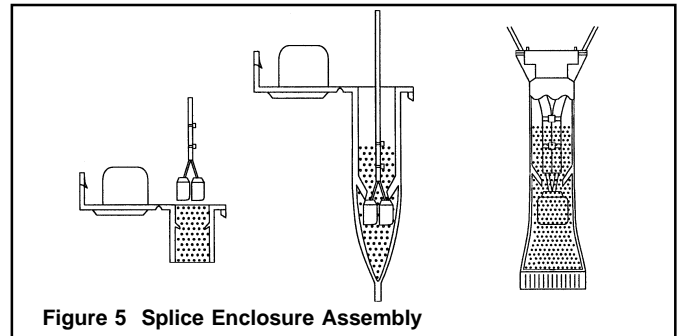


Figure 5 Splice Enclosure Assembly

TESTING

After connections are complete, test the entire installation in accordance with instructions provided with transmitters or modules connected.

RTR-I-15
P/N 62935-003 Rev. 2

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Please see our website at www.badgermeter.com for specific contacts.

Due to continuous research, product improvements and enhancements, Badger Meter reserves the right to change product or system specifications without notice, except to the extent an outstanding bid obligation exists.



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