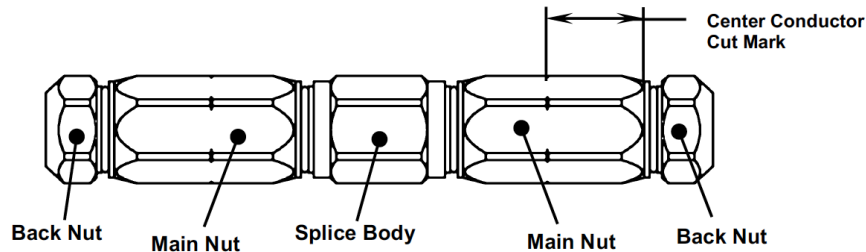


3-Piece Splice Connector for P1, P3, TX, T10 and MC2 Cables



Connector Diagram



Cable Preparation

1. Cut ends of cable square. If cable has outer jacket, remove jacket to expose cable outer conductor approximately two and one-half inches, as shown in Figure 2. If cable has a flooding compound, remove flooding compound from cable outer conductor using an approved cleaner, in accordance with the cable manufacturer recommendations.

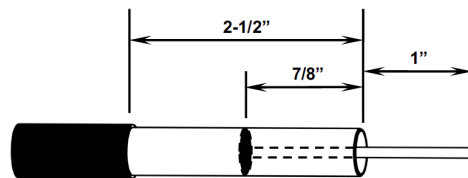


Fig. 2

2. Core cable and expose the center conductor using a commercially available core/strip tool as shown in Figure 2.

3. Remove dielectric residue from center conductor exposed beyond cable outer conductor. Use care not to scratch surface by using an approved non-metallic center conductor cleaning tool or a Plexiglas scraper with squared or serrated edge works well, Figure 3. Repeat steps 2 and 3 for other cable end.

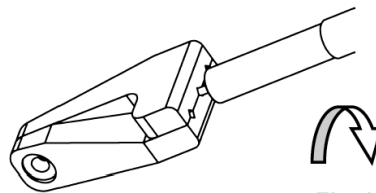


Fig. 3

4. Verify cable center conductor length by using the CUT MARK on the connector MAIN NUT as shown in Figure 4. Using diagonal cutters or pliers, make a cut half way through center conductor then rotate cutters 90° and complete the cut to give a pencil type point as shown in Figure 5. Repeat for other cable end.

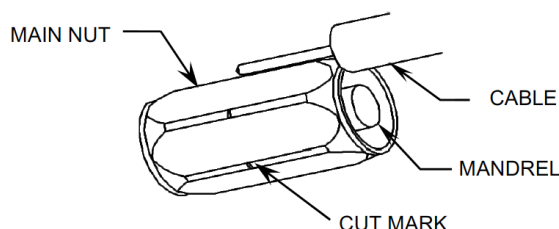


Fig. 4

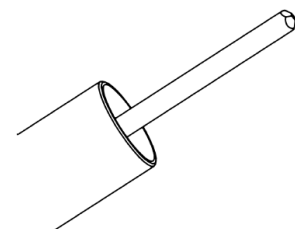


Fig. 5

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3-Piece Splice Connector for P1, P3, TX, T10 and MC2 Cables



Connector Attachment

1. If using heat shrink, slide tubing over cable at this time.
2. Install the connector **BACK NUTS** to both cable ends.
3. Fully insert both **MAIN NUTS** onto the cable ends.
4. Bring one of the connector **MAIN NUT** and **CABLE** to the connector **SPLICE BODY** as shown in Figure 6. Fully hand-tighten **MAIN NUT** to **SPLICE BODY** while keeping force on the cable towards the **MAIN BODY**.
5. Bring the second end of the connector **MAIN NUT** and **CABLE** to the connector **SPLICE BODY** as shown in Figure 6. Fully handtighten **MAIN NUT** to **SPLICE BODY** (do not allow **SPLICE BODY** to rotate), while keeping force on the cable towards the **MAIN BODY**.

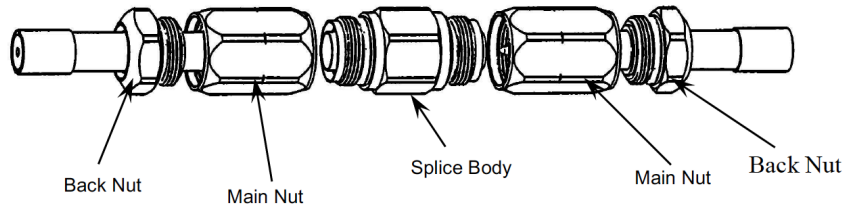


Fig. 6

6. Using two wrenches, one wrench to hold the **SPLICE BODY** from rotation, tighten both **MAIN NUTS** uniformly to the **SPLICE BODY** until both positive stops are engaged. The front leading edge of **MAIN NUT** will contact the mating surface of the **SPLICE BODY** causing an increase in tightening torque, as shown in Figure 7.

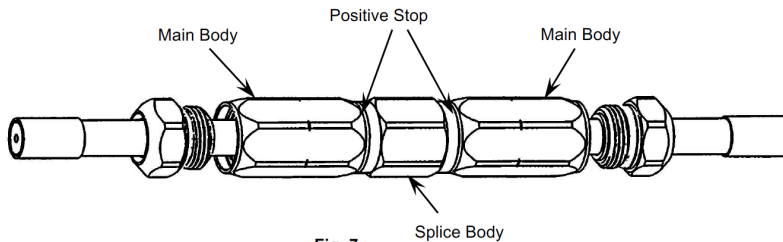


Fig. 7

7. Fully hand-tighten both **BACK NUTS**. Then, using two wrenches, one on the **MAIN NUT**, fully tighten one **BACK NUT** to the **MAIN NUT** until the positive stop is engaged. Reposition wrench to the other **MAIN NUT** and then fully tighten the **BACK NUT** to the **MAIN NUT** until the positive stop is reached. The front leading edge of the **BACK NUT** will contact mating surface of the **MAIN NUT** causing an increase in tightening torque, as shown in Figure 8.
8. Slide the heat shrink tubing (if used) over the connector so that the heat shrink is evenly distributed over the connector body and cable. Shrink in accordance with manufacturer's recommendation.

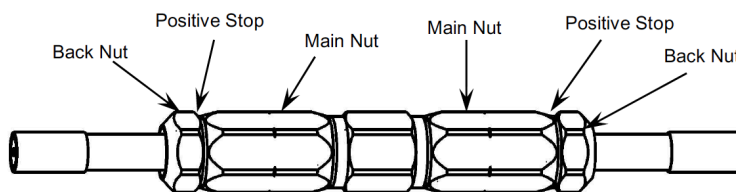


Fig. 8

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