

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



## Connector Diagram

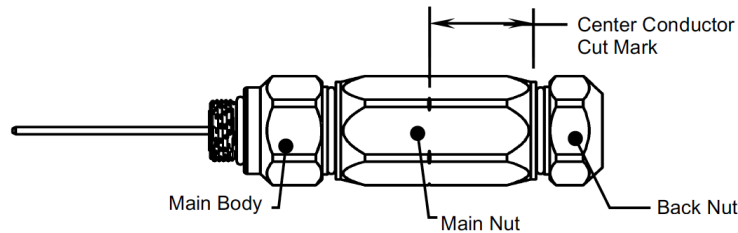


Fig. 1

## 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.

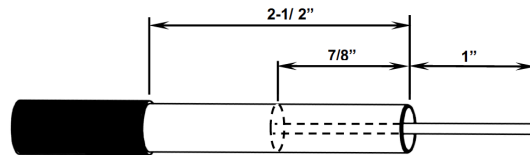


Fig. 2

**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.

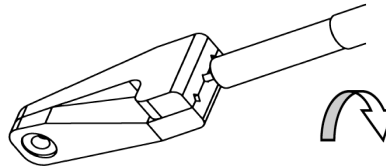


Fig. 3

**4. Verify cable center conductor length** by using the CUT MARK on the connectors MAIN NUT as shown in Figure 4. Using diagonal cutters, 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.

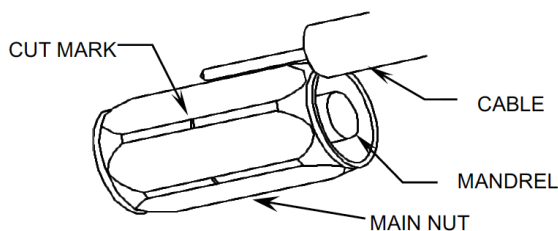


Fig. 4

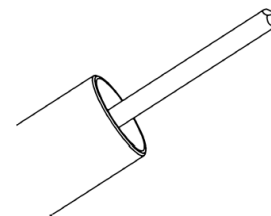


Fig. 5

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## Connector Attachment

1. Loosen seizure screw inside equipment. Cut pin on connector **MAIN BODY**, if necessary, to the equipment manufacturer's specification. Fully hand-tighten the **MAIN BODY** into equipment port then an additional 1/8 to 1/4 turn using wrench (20 - 25 ft/lbs.).
2. If using heat shrink, slide tubing over cable at this time.
3. Install connector **BACK NUT** onto cable.
4. Fully insert the **MAIN NUT** onto the prepared cable.
5. Bring the connector **MAIN NUT** and cable to the connector **MAIN BODY** as shown in Figure 6. Fully hand-tighten **MAIN NUT** to **MAIN BODY** while keeping force on the cable towards the **MAIN BODY**.

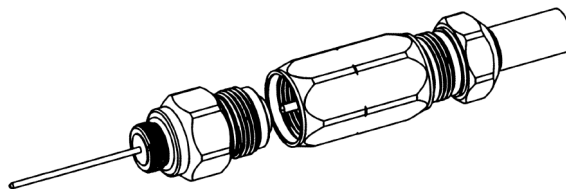


Fig. 6

6. Using two wrenches, one wrench to hold the **MAIN BODY** from rotation, continue tightening the **MAIN NUT** to the **MAIN BODY** until the positive stop is engaged as shown in Figure 7. The front leading edge of **MAIN NUT** will contact the mating surface of the **MAIN BODY** causing an increase in the tightening torque.

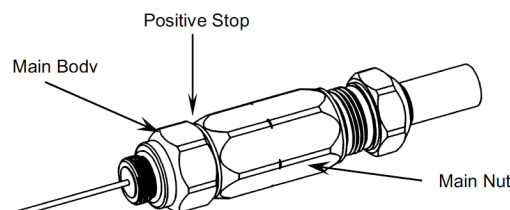


Fig. 7

7. Tighten **BACK NUT** by hand, then, using two wrenches, one on the **MAIN NUT**, complete the installation by tightening **BACK NUT** until the positive stop is engaged as shown in Figure 8. The front leading edge of **BACK NUT** will contact mating surface of the **MAIN NUT** causing an increase in the tightening torque.

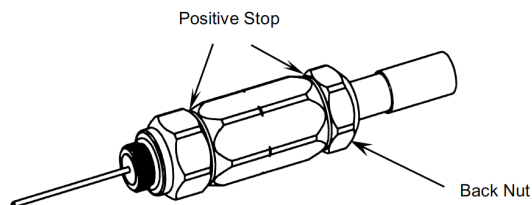


Fig. 8

8. Tighten seizure screw inside equipment port to manufacturer's specification.
9. Slide the heat shrink tubing over the connector against the equipment port and shrink in accordance with manufacturer's recommendation.

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