NexBand™ Splice Connector for QR Cable

Installation Instructions

A BELDEN BRAND

Connector Diagram

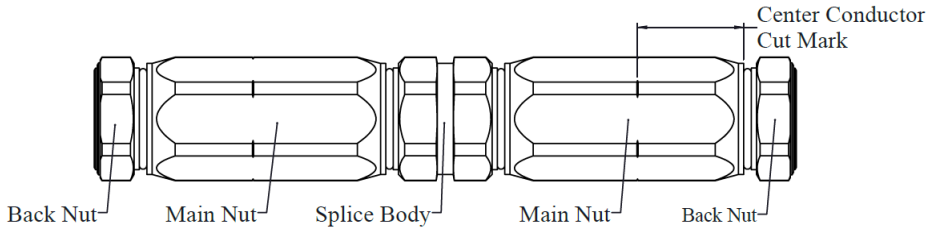
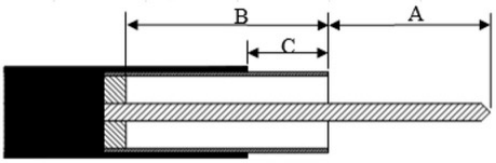


Fig. 1

Cable Preparation

1. Cut end of cable square



CABLE	A	B	C
500QR	1"	1-1/4"	1/2"
540QR	1"	1-1/4"	1/2"
715QR	1"	1-1/4"	1/2"
860QR	1-1/16"	1-1/4"	5/8"

Fig. 2

2. Core cable and strip back Aluminum sheath and Jacket to 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.

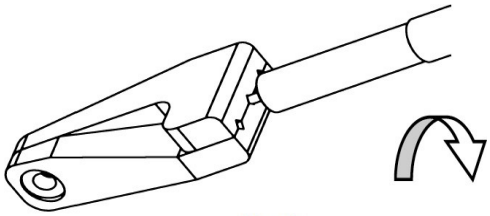


Fig. 3

4. Verify cable center conductor length by using the CUT MARK on the 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.

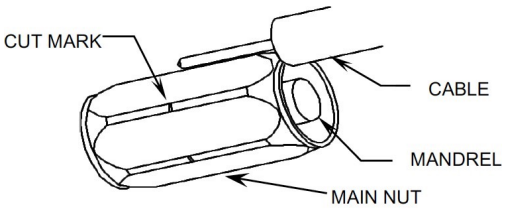


Fig. 4

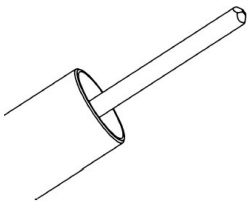


Fig. 5

5. Strip back the jacket to expose the Aluminum Sheath by using Jacket Strip tool supplied with the tool kit as shown in Figure 2.

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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 the 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 hand tighten MAIN NUT to SPLICE BODY (do not allow Splice Body to rotate), while keeping force on the cable towards the MAIN BODY.

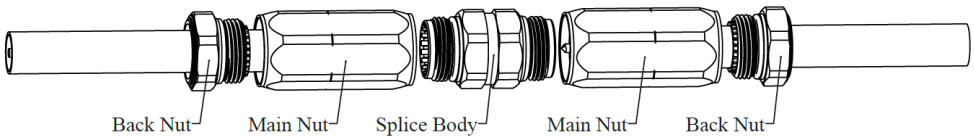


Fig. 6

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.

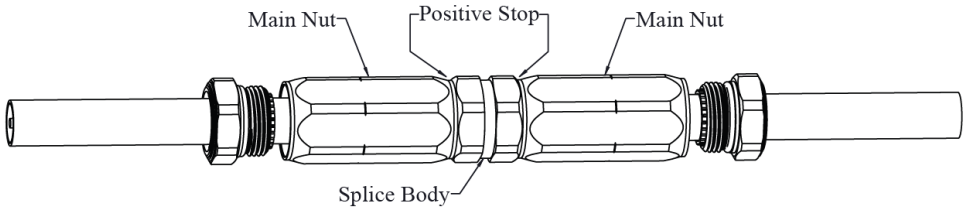


Fig. 7

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.

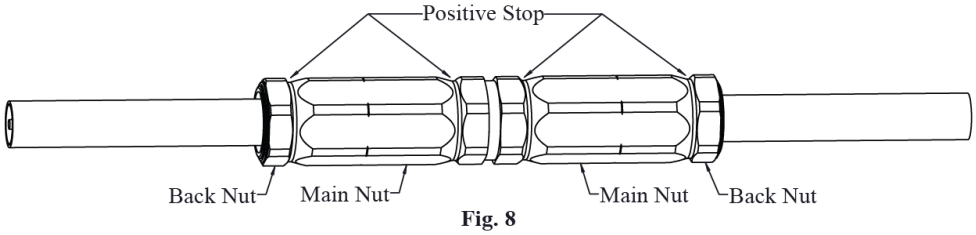


Fig. 8

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