



## **Belden Cable Preparation Tool Instructions - 1797B**



Our End-to-End Expertise  
Your End-to-End Solution

## Tool Instructions

### Jacket Removal—Figure 1

Insert cable into the cutting area and rotate tool at least one complete turn. Remove the jacket end.

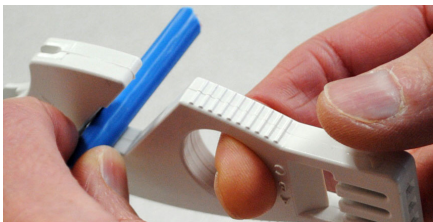


Figure 1

MediaTwist®: Score the printed top and both sides of the cable with scissors or the Cable Preparation Tool. Then snap the cable from side to side to complete jacket separation.

**CHOOSE EITHER PICK METHOD OR BLADE SLOT METHOD**

### Pair Preparation—Blade Slot Method, Figure 2

Determine which blade slot to use by either referencing the Blade Slot Selection Table (use QR code or link on the back of this brochure to access the table) or locate the best fit of the pair to the available slots (see back page).

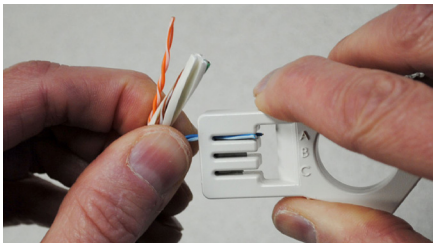


Figure 2

Insert each twisted pair into the appropriate slot. Rotate the tool or the pair in the direction opposite of the twist to prevent stripping the conductor insulation. Continue insertion to match the desired length of untwisted section. The EDGE of the strip SLOT is designed to provide a TIA approved separation length (see blue pair example in Figure 2).

### Pair Preparation—Pick Method, Figures 3 & 4

Lay each twisted pair into the tool channel with the pair ends facing toward the pick. Place your thumb on the thumb notch to stabilize and secure the pair. The tip of the pick should rest in the webbing between the two conductors. While holding the pair in place with your thumb, puncture the pair webbing with the pick.

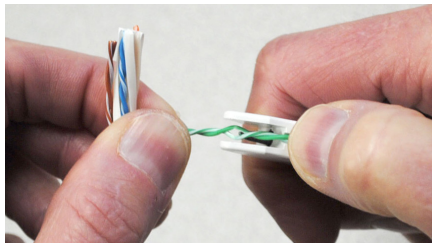


Figure 3

Holding the cable in one hand, and the tool in the other, pull the tool away from you, allowing the pick to separate the conductors of the pair.

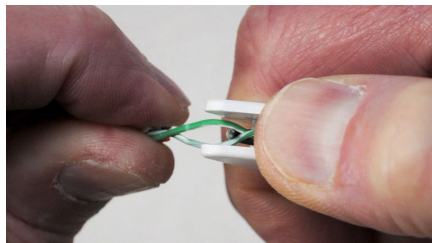


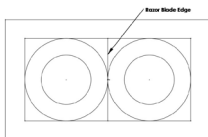
Figure 4

**NOTE:** TIA-568-C.2 allows a maximum of 0.5 inch of untwisted section after termination.

## Fundamental Tool Guidelines

The 1797B stripping tool can cover a wide variety of bonded pairs, and the proper slot selection can be made quickly and accurately, without knowing the insulated conductors' dimensions.

The 1797B utility tool is designed to hold a Bonded Pair in slot A, B or C such that the WIDTH of the two bonded wires ideally just touches the edges of the slot's major WIDTH (see diagram). When the two identical sized bonded wires are placed in the selected slot, the splicing blade is centered between the pairs, and separates the bond when the pairs are pushed through the tool.



To find the most ideally centered blade position, use the *largest slot* "C" to hold a short tip of the pair being separated. Untwist the pair by rotating the tool opposite the pair lay. Once a small section length of bonded pair is untwisted, place the pair in each slot; A, B and C, until the *smallest slot width* is found that the pair will pass through. **DO NOT** try to force the pair through a slot that is too small as the pair will bend, but select the smallest slot that receives the width of the pair. Selecting the smallest slot possible ensures the blade is centered between the two bonded insulated conductors, and will allow the pair to pass through freely under pressure.

Using this untwist / size technique the ideal slot width; A, B or C can be quickly identified for any bonded pair cable.

### Blade Slot Selection Table



<http://www.belden.com/docs/files/upload/1797B-Blade-Slot-Selection-Table.pdf>

## For More Information

Belden Technical Support

**1.800.BELDEN.1** (1.800.235.3361)

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