Cable Preparation Tool Speeds Installation of Bonded-Pair Cables

You know the high-performance benefits of using data cables featuring Belden's unique Bonded-Pair technology. The Belden Cable Preparation Tool (1797B) now makes it faster and easier than ever to prepare cables for connector termination. This tool is ideal for use with Belden's DataTwist® 350, MediaTwist®, and DataTwist 600e Bonded-Pair cables, providing special features that help separate twisted pairs. It can also be used to prepare any unbonded-pair cable for installation.

Pair Separation Techniques:

Belden's Cable Preparation Tool features both the new Pick technique and the traditional Blade Slot technique to better facilitate pair untwisting. The Pick technique utilizes a steel awl that is incorporated into the tip of the tool that is surrounded on both sides with guards to assist in pair alignment during the pair separation step. The Pick technique allows for a simple "pick-n-pull" motion to easily separate the conductors of a twisted pair cable. The Blade Slot Technique provides the technician an alternate method for separating the conductors quickly and easily. See the reverse side for instructions for either technique.

DataTwist 600e: Beyond Category 6

The Cable Preparation Tool is packed with every spool of Belden DataTwist 600e data cable: a revolutionary UTP cable engineered specifically to perform well beyond proposed Category 6 standards. While proposed Category 6 cable is specified only to 250 MHz, DataTwist 600e is the only UTP cable in the industry fully characterized with guaranteed performance to 600 MHz. So users have far more headroom to compensate for unforeseen factors that can inhibit the performance of a cabling system today…and protection of their technology investment for the future.

Belden Cable Preparation Tool

Instructions:

The Belden Cable Preparation Tool (1797B) now makes it faster and easier than ever to strip the outer jacket from cables without damaging the inner conductors and insulation. The tool is ideal for use with Belden's DataTwist® 350, MediaTwist® and DataTwist 600e bonded-pair cables, providing special features that help separate twisted pairs.

Jacket Removal—Figure 1

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

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—Pick Method, Figures 2 & 3

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.

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

Pair Preparation—Blade Slot Method, Figure 4

Refer to the Blade Slot Selection Table to determine which blade slot to use to separate the pairs.

Insert each twisted pair into the appropriate slot. Rotate the tool and/or the pair in the direction opposite of the twist to prevent stripping the conductor insulation. Continue insertion to match the desire length of untwisted section.

Blade Slot Selection Table

Cable Part #	Slot "A"	Slot "B"	Slot "C"
1700A	All pairs		
1700R	All pairs		
1701A		All pairs	
1872A	All pairs		
1874A	All pairs		
7851A			All pairs
7852A			All pairs
HomeChoice™: 7910A, 7876A, 7877A, 7878A	All pairs		

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NOTE: TIA/EIA 568-B allows a maximum of 0.5 inch of untwisted section after termination.

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