Best Practices for Terminating ProSeries Pass-Through Unshielded RJ45 Modular Plugs
Part Numbers: DT-CAT6/6A-RJ45-100

STEP 1
If using Cat6 UTP cable, trim center spline/pair separator as close to the cable jacket as possible without nicking any of the wire conductors.
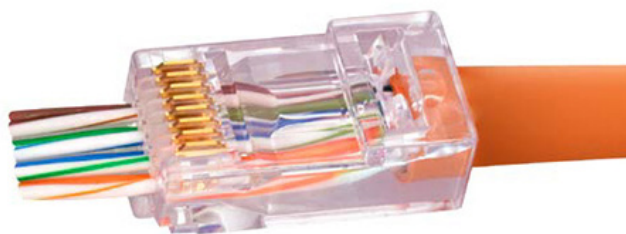
STEP 2
Make sure each wire conductor is straight.

STEP 3
Then straighten and align wires to correct alignment pattern (Type A or B). The B Pattern is most commonly used today. Using an angled flush cutter tool trim wire ends straight before inserting into the load bar.

STEP 4
The DT-CAT6/6A-RJ45-100 plug uses a Hi/Lo wire layout. Insert the pattern-aligned wires into the rear of the plug and push them out through the front of the plug. Then verify that the wires are still in the correct pattern alignment.

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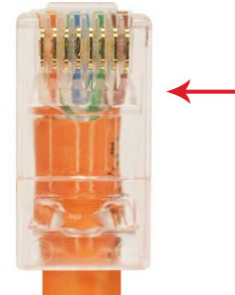## Part Numbers: DT-CAT6/6A-RJ45-100
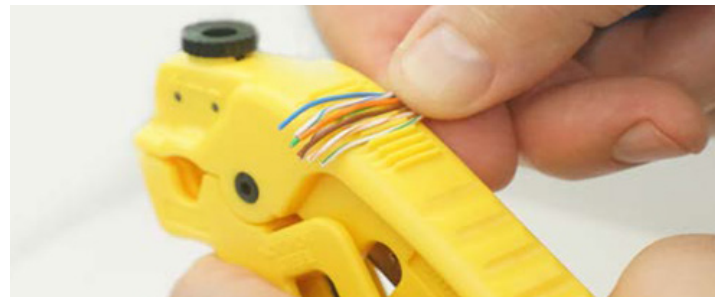
Fig. 1

Fig. 2

STEP 5

Push the plug down and over the cable jacket. (fig 1) The DataTronix ProSeries plug is designed to allow the cable to be inserted deeper into the plug than other brand RJ45 plugs. Notice in the picture (fig 2) that the cable jacket should come to the horizontal line underneath the plug. This is very important as you want to minimize the length of the untwisted wires. This design improves signal integrity and negates crosstalk interference.
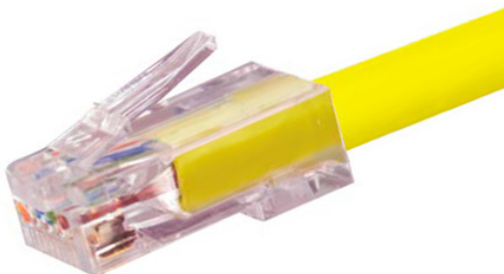
STEP 6

Insert the loaded plug into the crimping socket on the DataTronix crimp tool. Make sure plug is fully inserted.

STEP 7

Firmly and in one quick and steady motion fully compress the crimper handles until it releases. The Simply45 crimpers are ratcheted. This means that the tool handles will not release until the full and complete crimping cycle has been completed.

STEP 8

Inspect the terminated plug to be sure wires have been properly trimmed. Then attach Cap45® to the plug following the instructions indicated before.