BELDEN

Installation Guide
Category 6/6a Field Crimped Plug,
UTP (CAPFCU) PX106195

For More Information
Belden Technical Support
1.800.BELDEN.1 (1.800.235.3361)
www.belden.com

Please refer to the cable-plug compatibility guide 'Plug Compatibility Matrix_V1_ECOS_BDC_0415_A_AG' for proper pairings

1

Plug Housing

Load Bar (x2)

2a   2b

Wire Guide

2

1" to 1.5"

- Place the boot on the cable, if used
- Remove 1" to 1.5" of the jacket

3

- Fan out all of the pairs
- Cut the filler flush on the jacket
  Make sure not to nick the wire insulation

4a

T568A

1   8

Split Pair (WOr/Or)

1. T568A: Orient Green pair to the left and Brown pair to the right. Either Blue or Split pairs may be in front depending on which end is used.
2. Insert the wire guide tight against the jacket. Make sure to have filler cut flush to the jacket.
3. Untwist and separate all the wires to the edge of the wire guide. Straighten the wires and dress them accordingly to T568A as shown below.

TIP : Bonded-Pairs cable can be separated using a Belden 1797B Tool cable separator.

End 1

1   2   3

End 2

1   2   3

4b

T568B

1   8

Split Pair (WGr/Gr)

1. T568B: Orient Orange pair to the left and Brown pair to the right. Either Blue or Split pairs may be in front depending on which end is used.
2. Insert the wire guide tight against the jacket. Make sure to have filler cut flush to the jacket.
3. Untwist and separate all the wires to the edge of the wire guide. Straighten the wires and dress them accordingly to T568B as shown below.

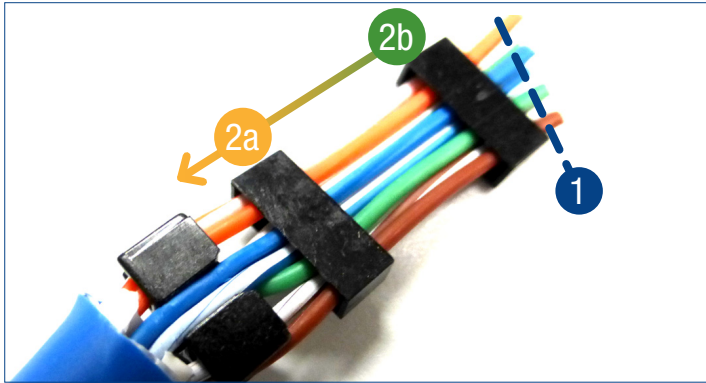*TIP : Bonded-Pairs cable can be separated using a Belden 1797B Tool cable separator.*

End 1

1   2   3

End 2

1   2   3

PX106195
Please refer to the plug-cable compatibility matrix to determine the proper plug to use.
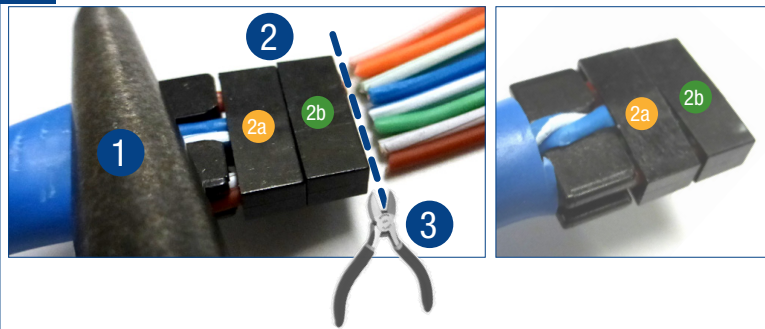
Continue for more instructions →

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Example of termination: Cable End1 in T568B

1. Trim off the wires at a 45° angle.
2. Insert the wires into the two loaded bars (x2) with tapered end oriented to the jacket.
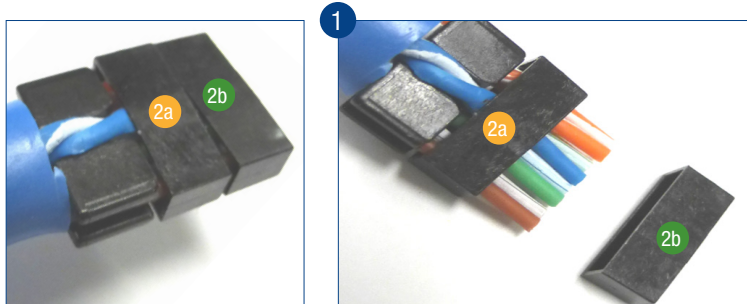
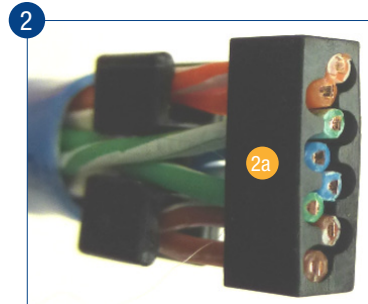**x2 Load Bars**

Tapered end (Insert wire here)

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1. To ease the insertion into the plug, flatten the end of the jacket using the height of the wire as a reference.
   Stop flattening the jacket when tthe height of the wire guide as reference.
2. Slide down the load bars (2x) tight against the wire guide.
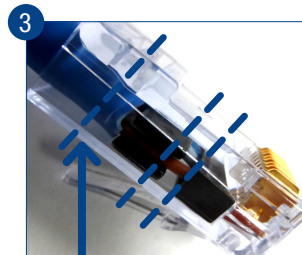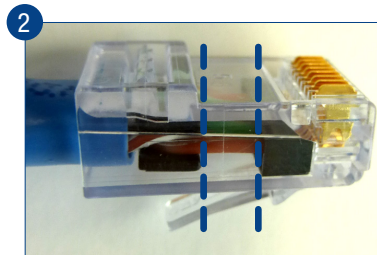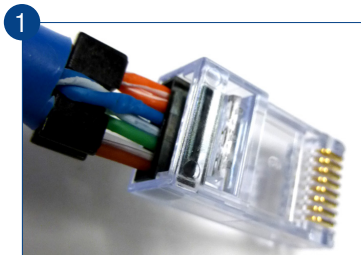3. Use a flush-cutter to cut the wires evenly to the top of the load bar **2b.**

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Assembly from step 6.

1. Remove the load bar **2b** as it is no longer used beyond this step.

2. Pull back the remaining load bar **(2a)** so the end of the wires are at the edge of the load bar.

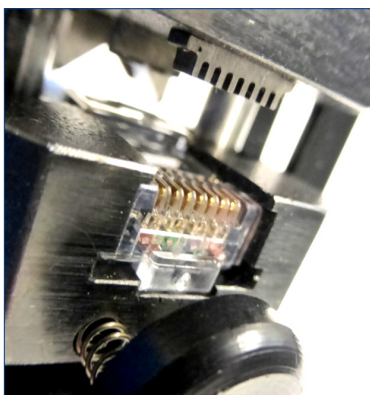   Verify that the wires are in the right sequence.

8

The jacket must be underneath the secondary crimp

1. Position the plug to have the blades on the front and Insert the assembly into the plug with brown pair on the right.

2. Push the assembly into the plug. Load bar **(2a)** will be stopped in its final position by the plug housing.

3. Keep pushing the assembly until the wires reach the end of the plug. The wire guide and load bar will get closer to each other.

4. Verify that the wires are at the end of the plug.

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Optional: *if any, slide the boot into the rear housing of the plug*

- Insert the plug in the opening of the crimp tool (Use recommended crimp tool; Belden CTPFC01).

- Insert the plug until it reaches the end of the crimp tool.

- Crimp the plug completely until the mechanical release is activated.

- Remove the plug from the crimp tool.

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