TX6 PLUS Modular Plug
T568B & T568A

Part Number: SP688E-C

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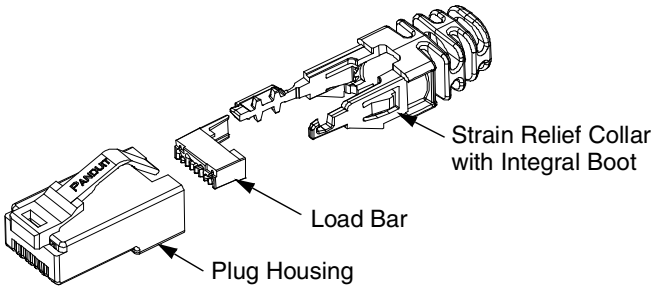
INSTALLATION INSTRUCTIONS **PN649A**

T568B Wiring Scheme



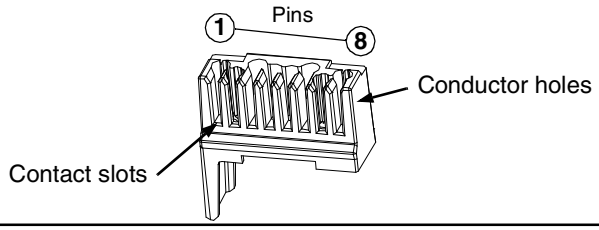
Pin #	8	7	6	5	4	3	2	1
T568B	BRN	BRN/ WHT	GRN	BLU/ WHT	BLU	GRN/ WHT	ORG	ORG/ WHT

Specifications

- Cable jacket diameter 0.225-0.250 in.
- 23-24 AWG stranded or solid conductor max. insulated diameter 0.036-0.042 in.
- Panduit recommends T568B wiring scheme for use with cable constructed with the brown pair opposing the orange pair.

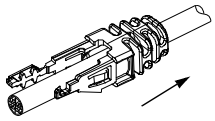
Load Bar

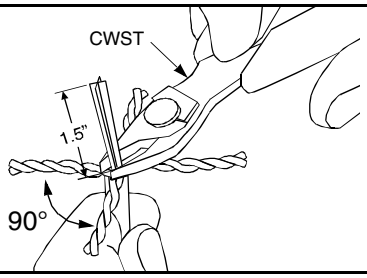
Conductor holes and Contact slots



1 Thread on Collar with Integral Boot first!

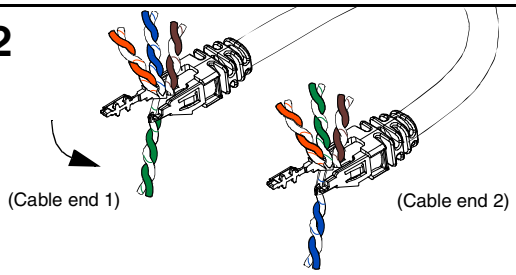
(Cable ends 1 & 2)





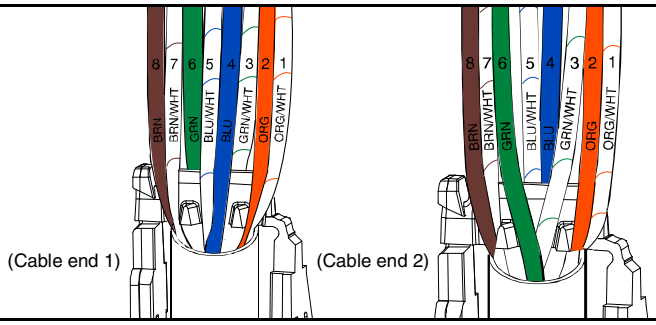
- Thread collar with Integral Boot onto cable.
- Remove 1.5" of the outer jacket using wire stripping tool (CJAST).
- Cut spline flush to fanned pairs using wire snipping tool (CWST).

2



- Separate the conductors as shown.
- Close divider by hinging inward and locking in place.

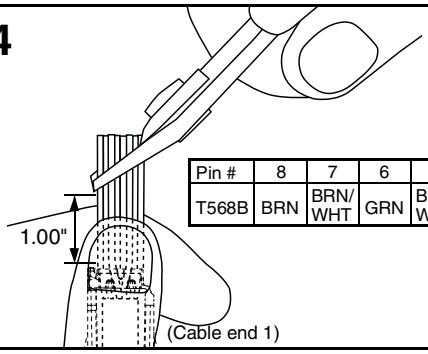
3



- Arrange conductors to T568B wiring scheme while minimizing untwist.
- Seat conductors into proper divider slots while holding divider flush with cable jacket.

For Technical Support: www.panduit.com/resources/install_maintain.asp

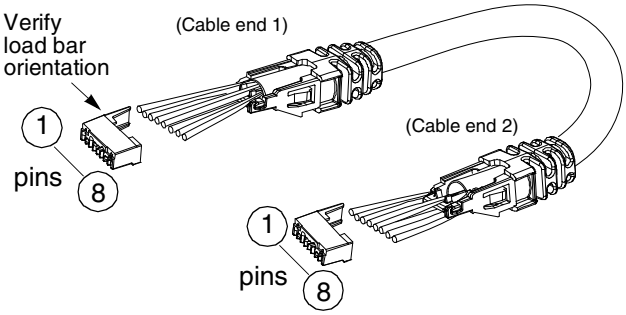
4



Pin #	8	7	6	5	4	3	2	1
T568B	BRN	BRN/ WHT	GRN	BLU/ WHT	BLU	GRN/ WHT	ORG	ORG/ WHT

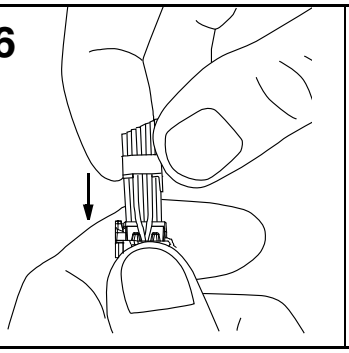
- Straighten and align untwisted conductors using a circular motion while holding conductors in respective divider slots.
- Maintain grip of conductors in T568B wiring scheme.
- Trim conductors on an angle approximately 1.00" from divider leading edge.

5



- Orient load bar with contact slots facing downward.

6



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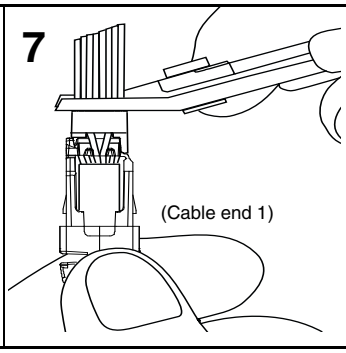
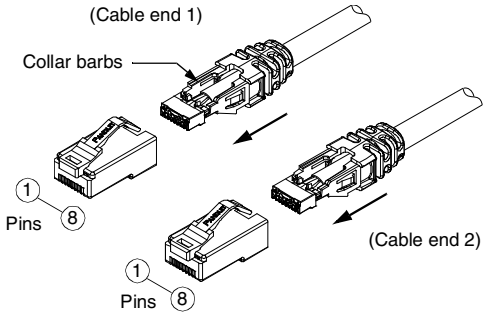


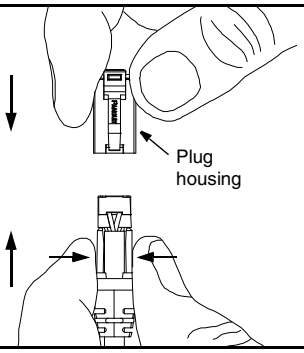
- Guide conductors into load bar holes while holding conductors in the divider.
- Slide load bar towards divider until flush.
- Ensure the divider/load bar is centered and perpendicular to the cable axis.
- Trim conductors flush with load bar face.

8



- Confirm the divider is still locked in the strain relief collar.
- Confirm the cable jacket extends beyond the collar barbs.
- Align pin #1 of cable sub-assembly (cable, load bar, and strain relief collar) with pin #1 of plug housing.

9



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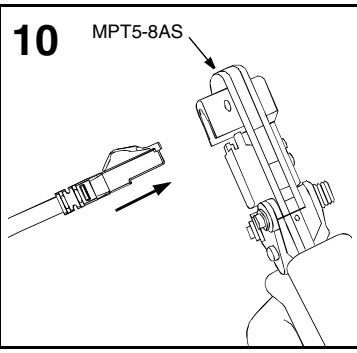
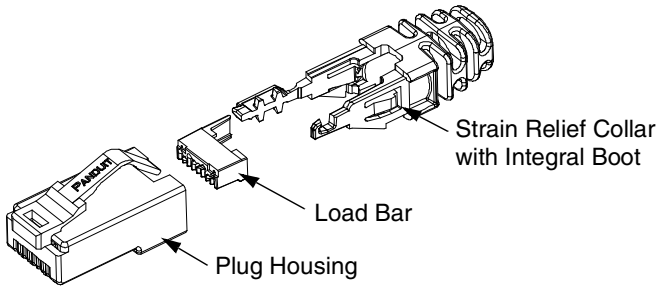


- Grip the strain relief collar and insert cable sub-assembly into the plug housing. (Fig. 9)
- Push sub-assembly into housing until collar locking tabs engage the plug housing pocket. Although not required, TX6 PLUS Plug Assembly Tool (CSPT) is available to facilitate this step.
- Use tool MPT5-8AS to complete plug termination. (Fig. 10)
- Visually check plug. Assembly is complete.

For Technical Support: www.panduit.com/resources/install_maintain.asp

T568A Wiring Scheme



Pin #	8	7	6	5	4	3	2	1
T568A	BRN	BRN/ WHT	ORG	BLU/ WHT	BLU	ORG/ WHT	GRN	GRN/ WHT

Specifications

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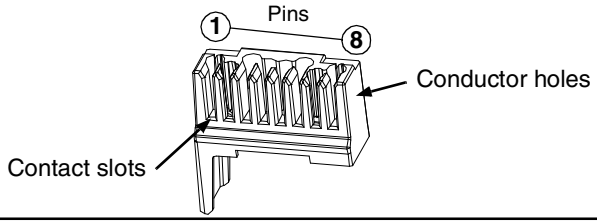
- Panduit recommends T568B wiring scheme for use with cable constructed with the brown pair opposing the orange pair.

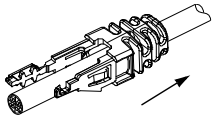
Load Bar

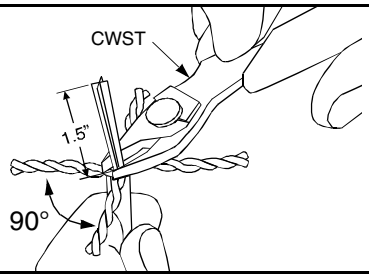
Conductor holes and Contact slots



1 Thread on Collar with Integral Boot first!

(Cable ends 1 & 2)

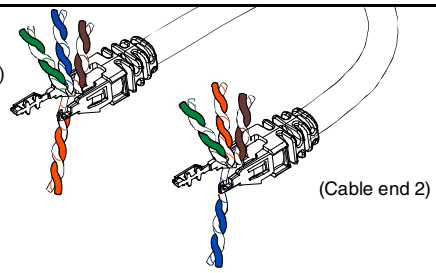




- Thread collar with Integral Boot onto cable.
- Remove 1.5" of the outer jacket using wire stripping tool (CJAST).
- Fan twisted pairs into respective quadrants. The brown pair should be opposite the orange pair.
- Cut spline flush to fanned pairs using wire snipping tool (CWST).

2

(Cable end 1)



- Separate the conductors as shown.
- Close divider by hinging inward and locking in place.

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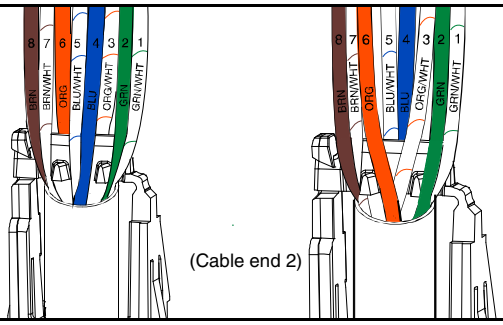
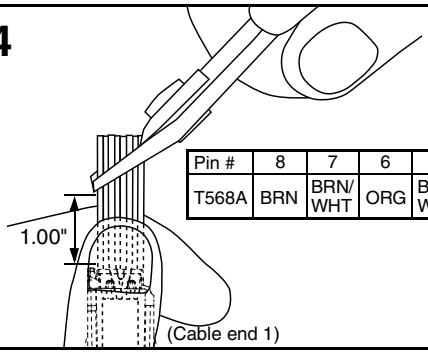


(Cable end 1)

(Cable end 2)

- Arrange conductors to T568A wiring scheme while minimizing untwist.
- Seat conductors into proper divider slots while holding divider flush with cable jacket.

4



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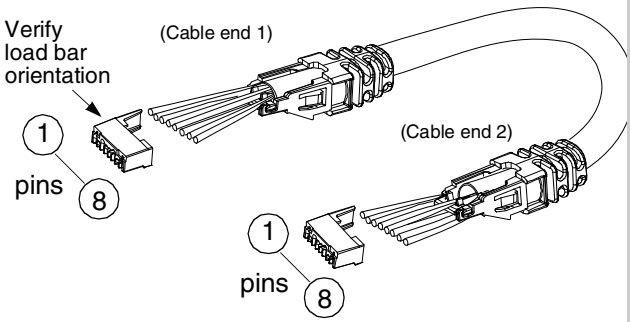

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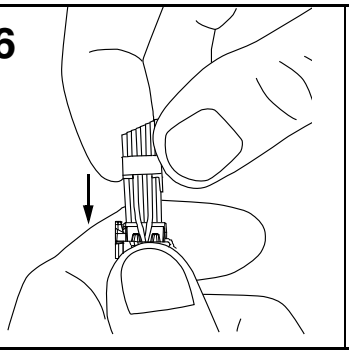

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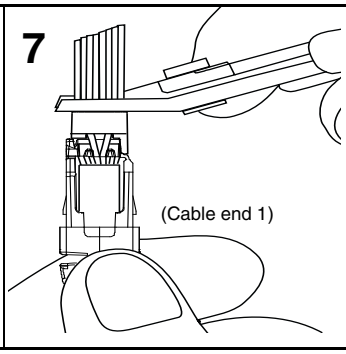

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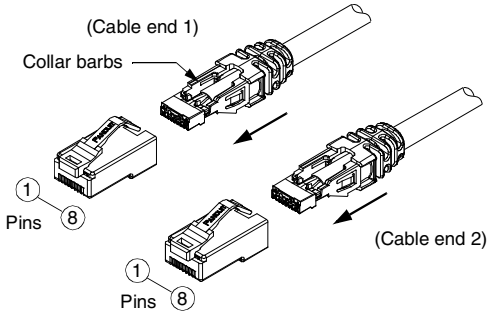

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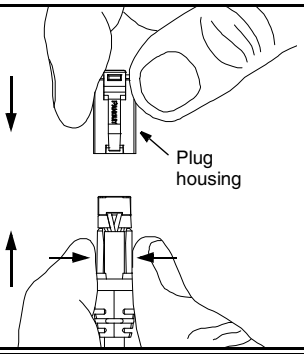

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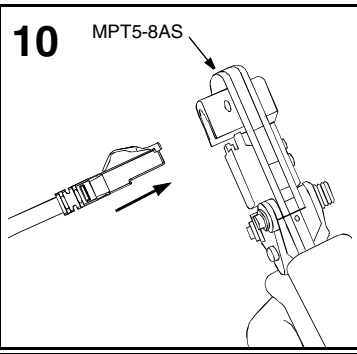

- Grip the strain relief collar and insert cable sub-assembly into the plug housing. (Fig. 9)
- Push sub-assembly into housing until collar locking tabs engage the plug housing pocket. Although not required, TX6 PLUS Plug Assembly Tool (CSPT) is available to facilitate this step.
- Use tool MPT5-8AS to complete plug termination. (Fig. 10)
- Push up boot and engage with collar latches.
- Visually check plug. Assembly is complete.