

# Bel Stewart Connector

Shielded 39200 Series Assembly Instructions  
Individually Shielded Pair Cable

11118 Susquehanna Trail South Glen Rock, PA 17327



With **Orange** on left and **Brown** on right, one end of cable has **Green** on top, other end has **Blue** on top. **Green** end steps will be shown on left, **Blue** steps shown on right. Common steps will be in the middle.

## INDIVIDUALLY SHIELDED PAIRS For Cable with Overall Shield See Page 6



1

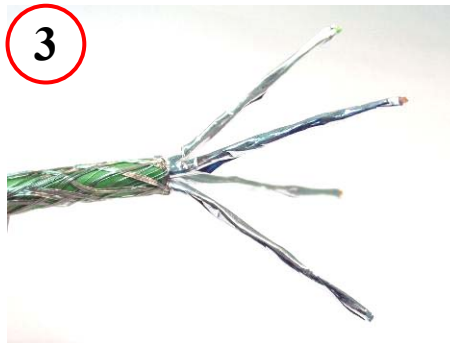
Trim off approx. 1.75 to 2.00 inches of cable jacket  
Do not nick shield

2



Fold shield back over cable jacket

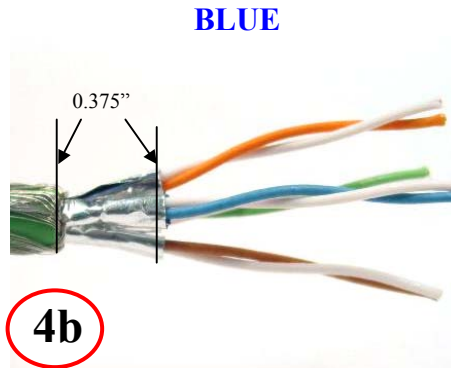
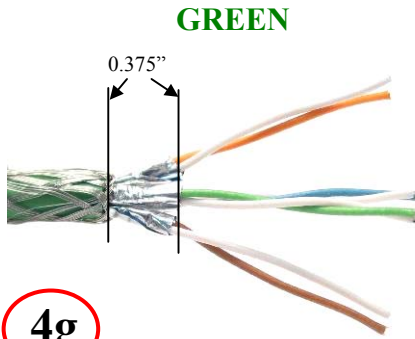
3



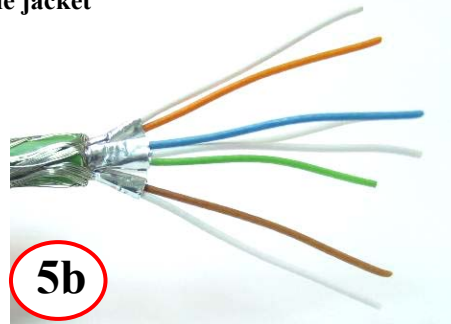
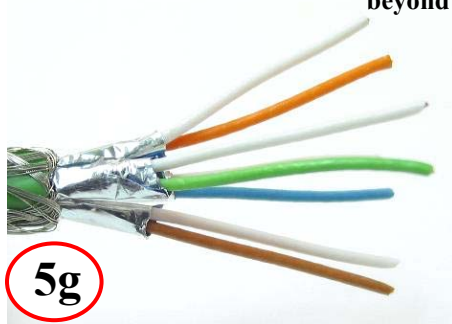
Spread apart pairs

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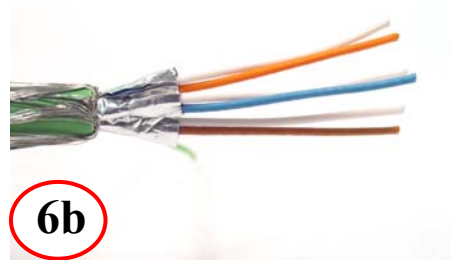
Trim individual pair shields, leaving approximately 0.375 inches (3/8") sticking out beyond cable jacket



Untwist pairs back to ends of shields



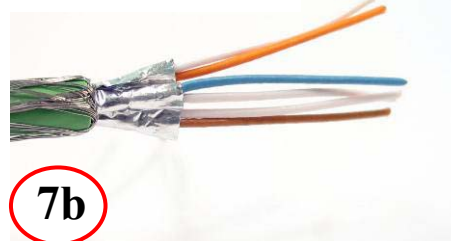
Here, **Brn** pair has incorrect alignment  
Add 1/2 twist as low as possible



Here, **Blu** pair has incorrect alignment  
Add 1/2 twist as low as possible



**Brn** pair is now in correct alignment

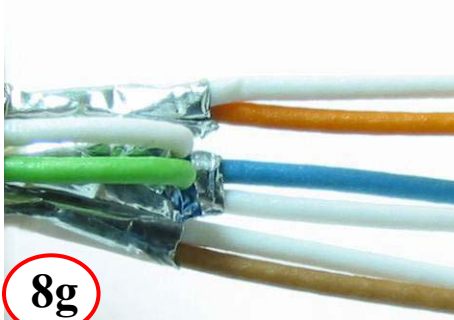


**Blu** pair is now in correct alignment

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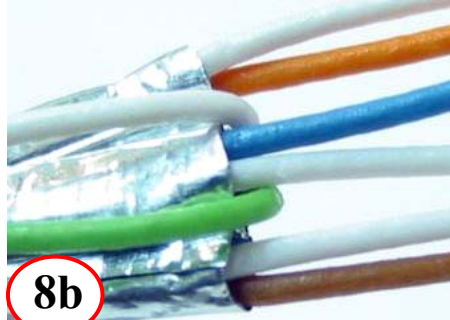
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GREEN



Fold Grn pair back

BLUE



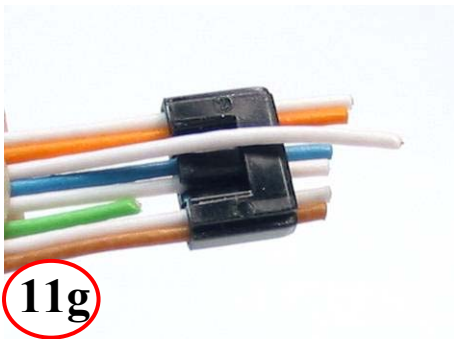
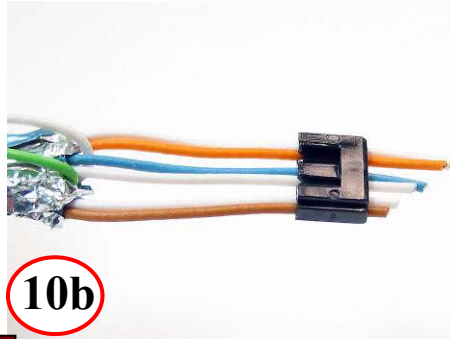
Split Grn pair around Blu pair, then fold back



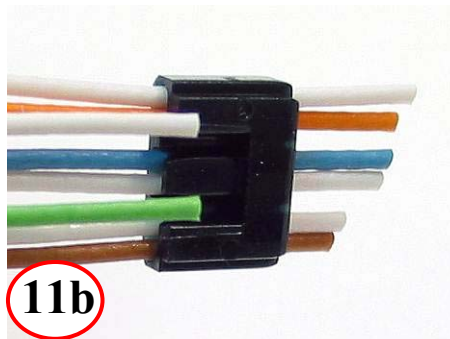
Trim ends of Org Blu and Brn pairs @ slight angle to make loading easier



Insert Org Blu and Brn pairs into load bar  
Leave load bar near end of pairs



Bring up Grn pair and trim so it fits into load bar



# Bel Stewart Connector

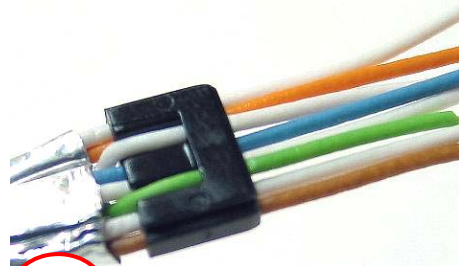
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GREEN

BLUE

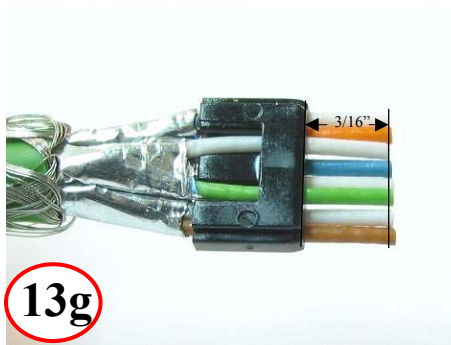


12g



12b

Slide load bar down to base of pairs



13g



13b

Trim off wire ends at approx. 0.2 inches (3/16")



14g



14b

Slide load bar to end of pairs to make loading into housing easier



15

Gently insert assembly into housing



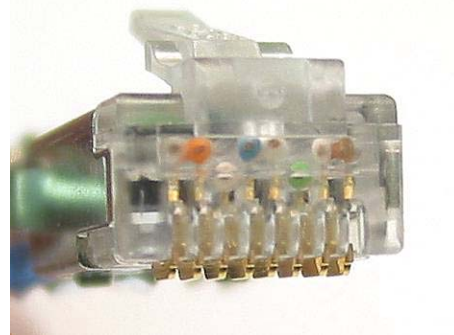
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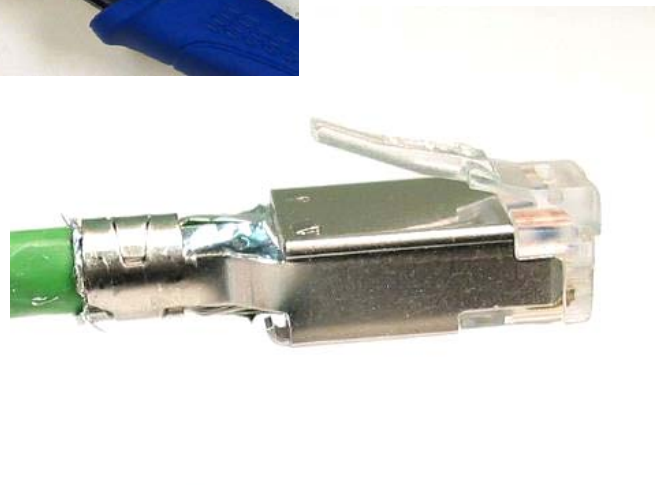
**16**

Close shield fingers by hand



**17**

Verify wires are visible through end of plug



**18**

Crimp contacts and shield fingers. Trim off excess shield

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Overall Shield Cable

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## OVERALL SHIELD

For Cable with Individual Shielded Pairs See Page 1



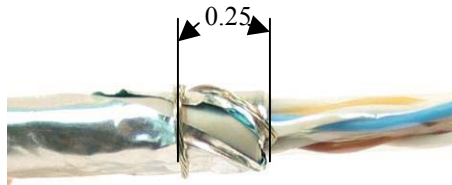
1

Trim off approx. 1.75 to 2.00 inches of cable jacket  
Do not nick shield



2

Fold shield back over cable jacket



3

Wrap drain around cable 1/4" (0.25")  
behind end of jacket



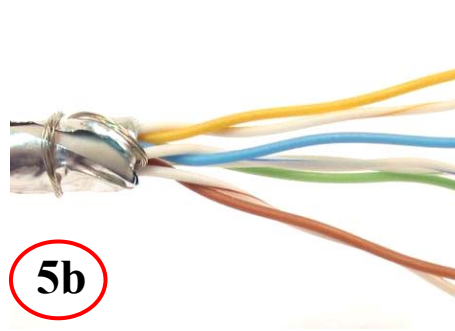
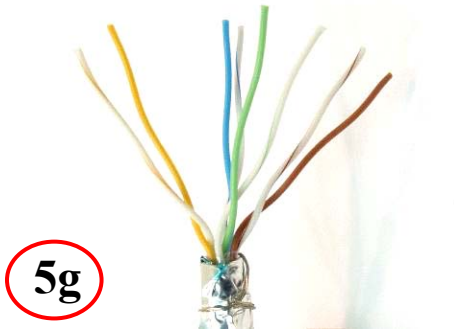
4

Remove any inner insulating jacket

# Bel Stewart Connector

GREEN

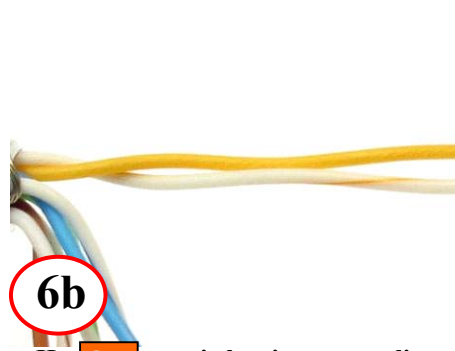
BLUE



5g

5b

Untwist individual pairs to approximately 0.375 inches (3/8") beyond cable jacket

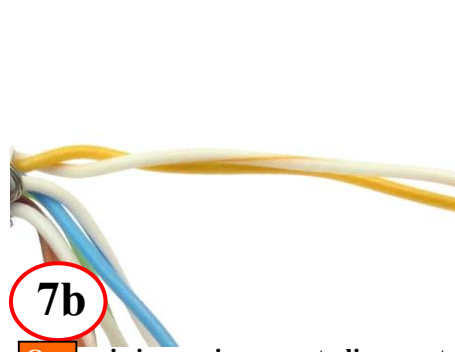
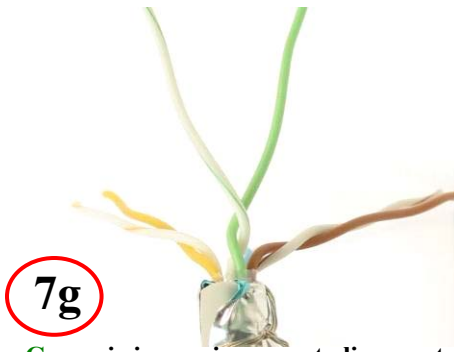


6g

6b

Here, Grn pair has incorrect alignment  
Add 1/2 twist as low as possible

Here, Org pair has incorrect alignment  
Add 1/2 twist as low as possible

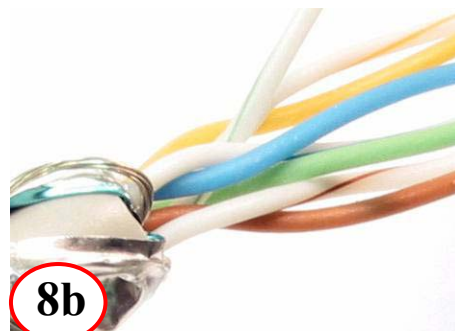
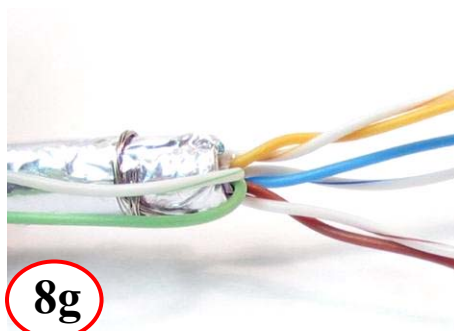


7g

7b

Grn pair is now in correct alignment

Org pair is now in correct alignment



8g

8b

Fold Grn pair back

Split Grn pair around Blu pair, then  
fold back

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Overall Shield Cable

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GREEN

BLUE

9

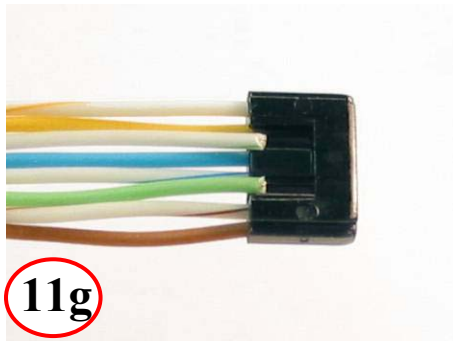


Trim ends of **Org** **Blu** and **Brn** pairs @ slight angle to make loading easier

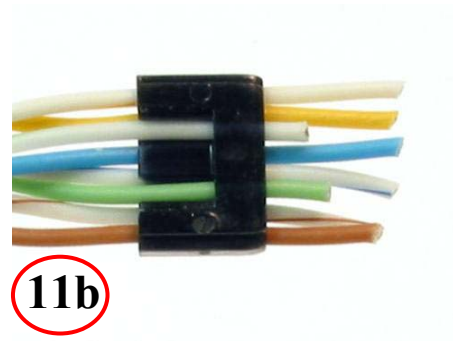
10



Insert **Org** **Blu** and **Brn** pairs into load bar  
Leave load bar near end of pairs

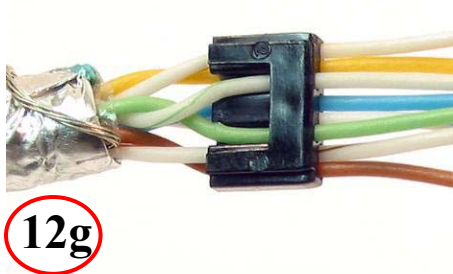


11g

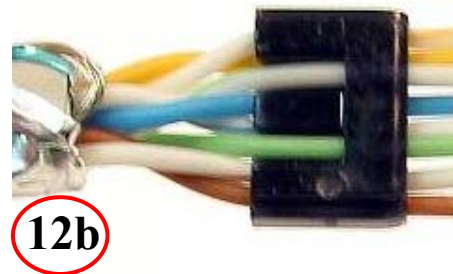


11b

Bring up **Grn** pair and trim so it fits into load bar



12g



12b

Slide load bar down to base of pairs



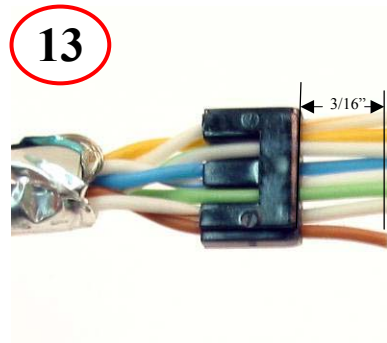
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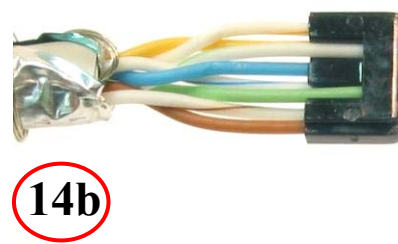
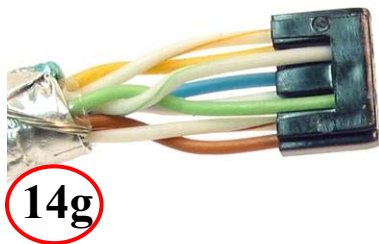
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GREEN

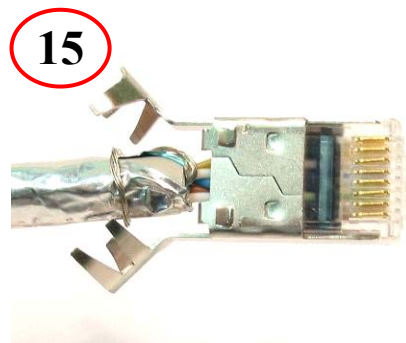
BLUE



Trim off wire ends at approx. 0.2 inches (3/16")



Slide load bar to end of pairs to make loading into housing easier



Gently insert assembly into housing

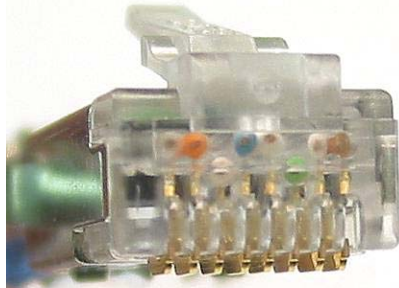


Close shield fingers by hand  
Keep drain wire entirely under fingers

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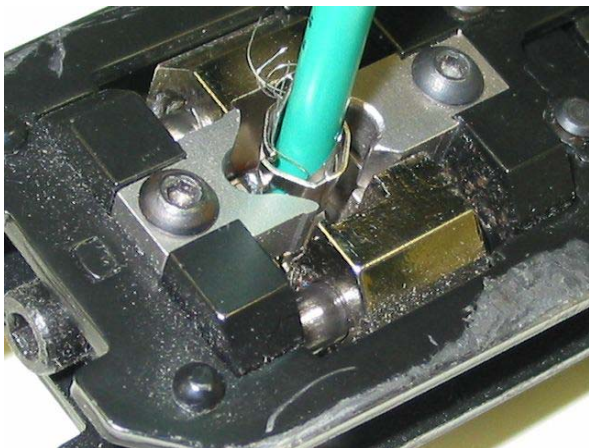
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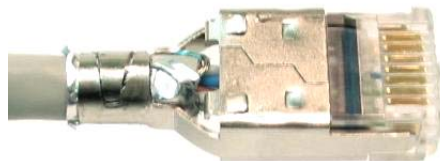
17

Verify wires are visible through end of plug



18

Crimp contacts and shield fingers



19

Trim off excess foil shield