

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

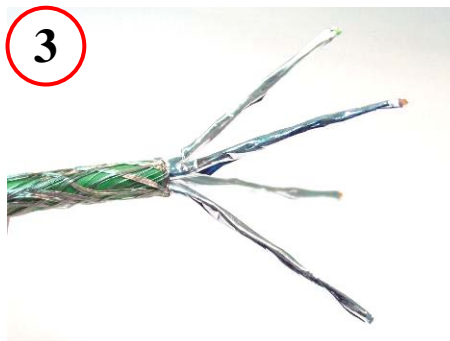
Trim off approx. 1.75 to 2.00 inches of cable jacket
Do not nick shield

2



Fold shield back over cable jacket

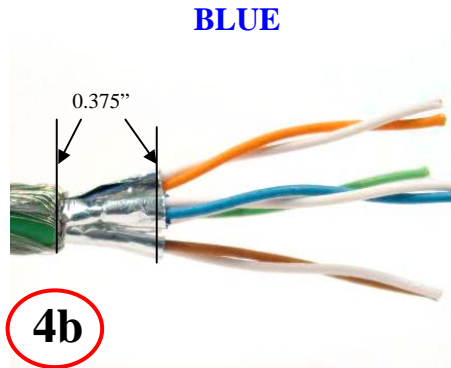
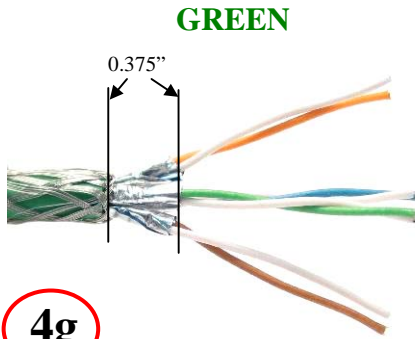
3



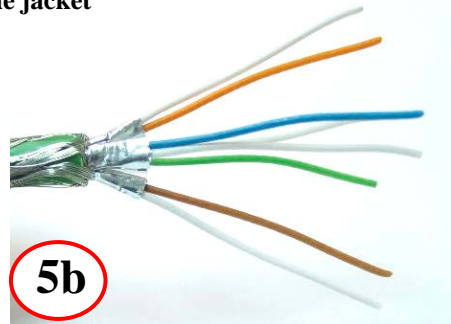
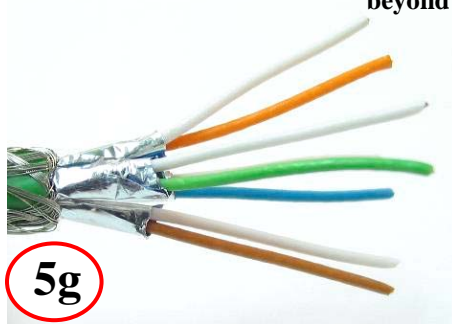
Spread apart pairs

Bel Stewart Connector

Shielded 39200 Series Assembly Instructions
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11118 Susquehanna Trail South Glen Rock, PA 17327



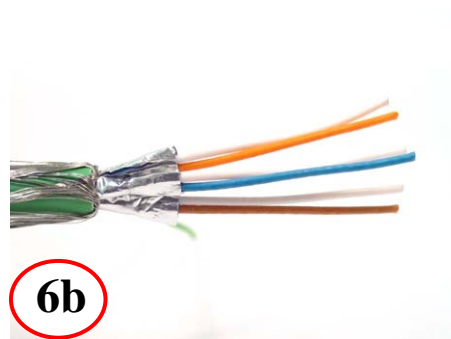
Trim individual pair shields, leaving approximately 0.375 inches (3/8") sticking out beyond cable jacket



Untwist pairs back to ends of shields



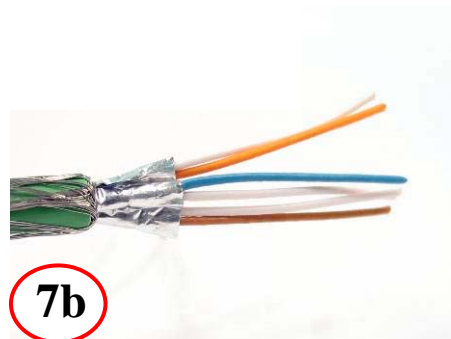
Here, **Brn** pair has incorrect alignment
Add 1/2 twist as low as possible



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



Brn pair is now in correct alignment

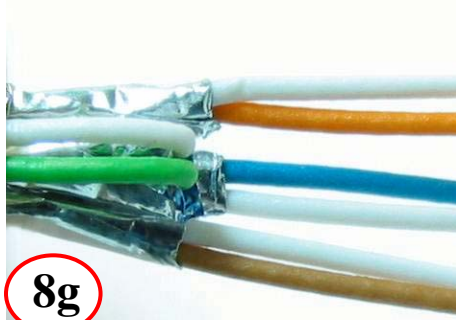


Blu pair is now in correct alignment

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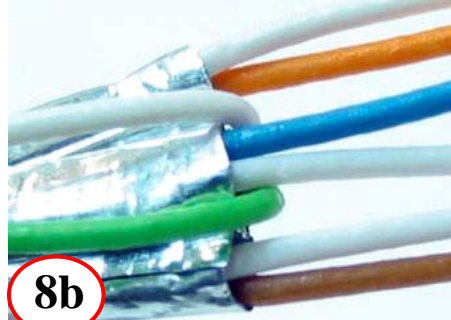
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11118 Susquehanna Trail South Glen Rock, PA 17327

GREEN



Fold Grn pair back

BLUE



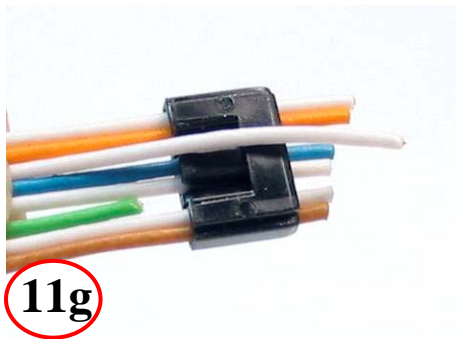
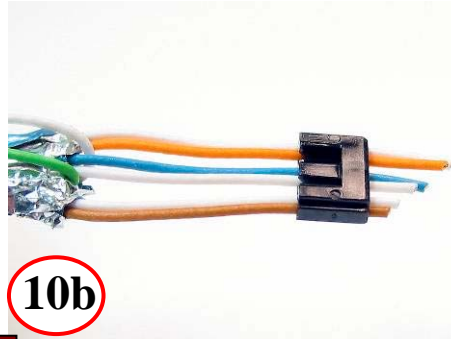
Split Grn pair around Blu pair, then fold back



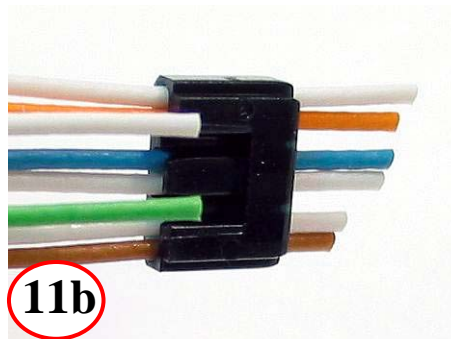
Trim ends of Org Blu and Brn pairs @ slight angle to make loading easier



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



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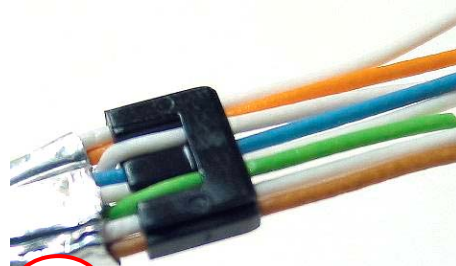
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11118 Susquehanna Trail South Glen Rock, PA 17327

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")

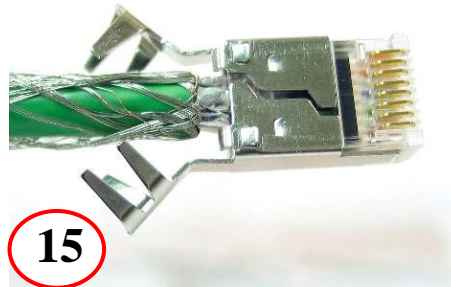


14g



14b

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



15

Gently insert assembly into housing

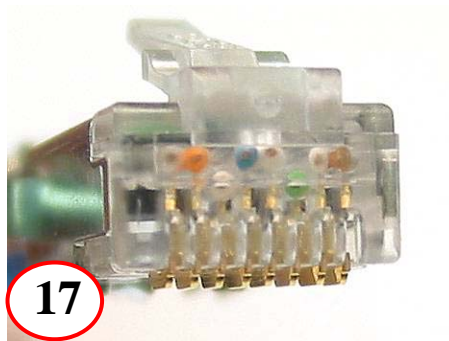
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Shielded 39200 Series Assembly Instructions
Individually Shielded Pair Cable
11118 Susquehanna Trail South Glen Rock, PA 17327



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

For Cable with Individual Shielded Pairs See Page 1



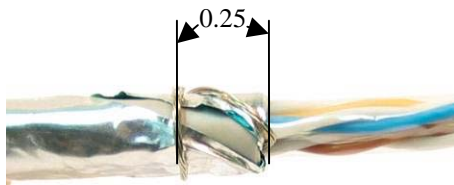
1

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



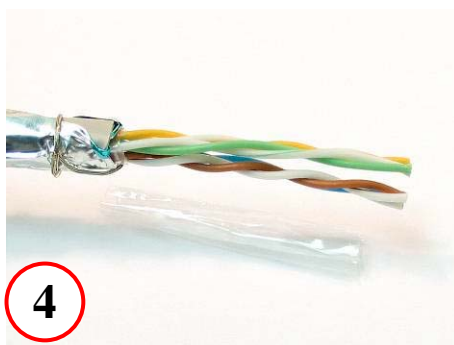
2

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

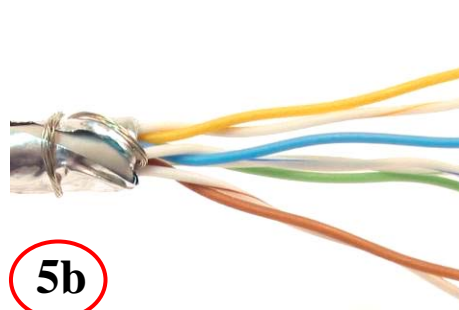
Bel Stewart Connector

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11118 Susquehanna Trail South Glen Rock, PA 17327

GREEN

BLUE



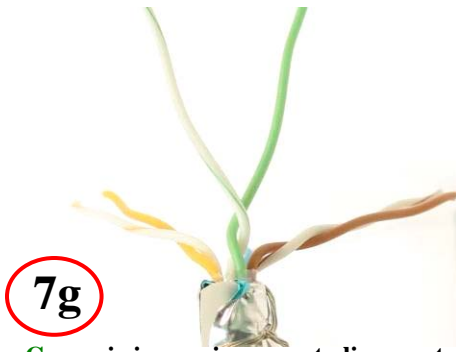
Untwist individual pairs to approximately 0.375 inches (3/8") beyond cable jacket



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



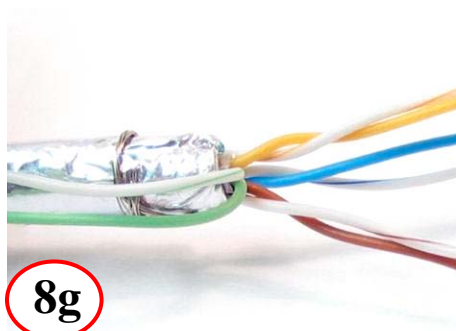
Here **Org** pair has incorrect alignment
Add 1/2 twist as low as possible



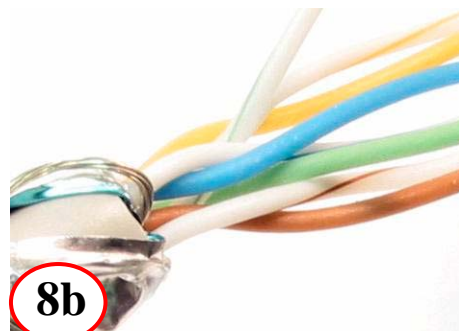
Grn pair is now in correct alignment



Org pair is now in correct alignment



Fold **Grn** pair back



Split **Grn** pair around **Blu** pair, then
fold back

Bel Stewart Connector

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11118 Susquehanna Trail South Glen Rock, PA 17327

GREEN

BLUE

9

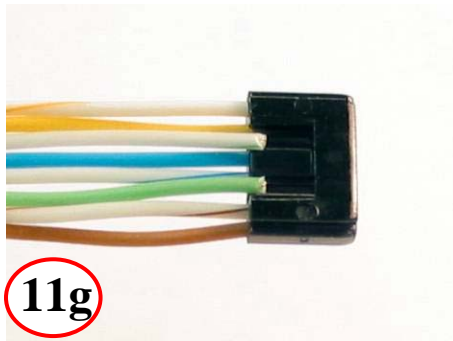


Trim ends of **Org** **Blu** and **Brn** pairs @ slight angle to make loading easier

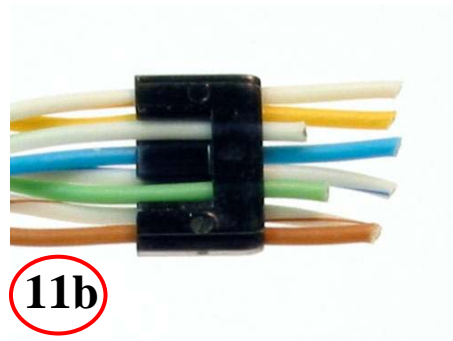
10



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

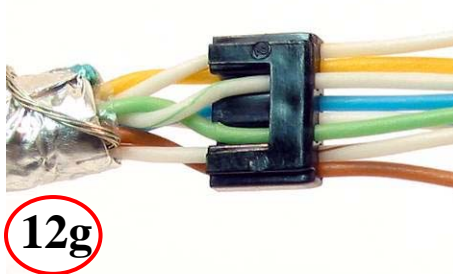


11g

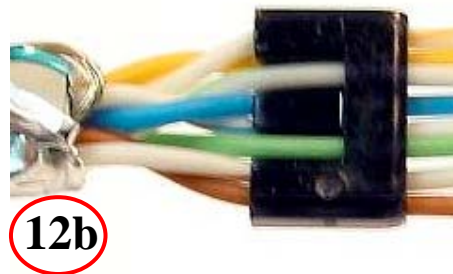


11b

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



12g



12b

Slide load bar down to base of pairs

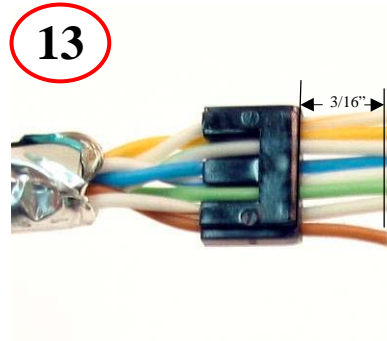
Bel Stewart Connector

Shielded 39200 Series Assembly Instructions
Overall Shield Cable

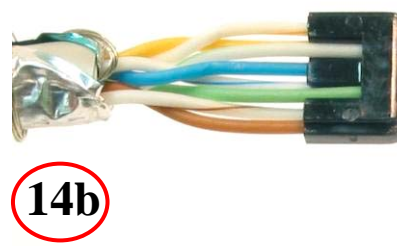
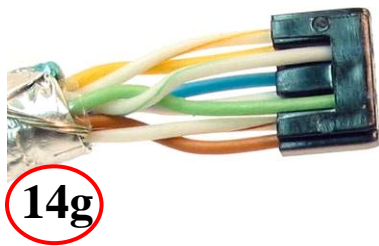
11118 Susquehanna Trail South Glen Rock, PA 17327

GREEN

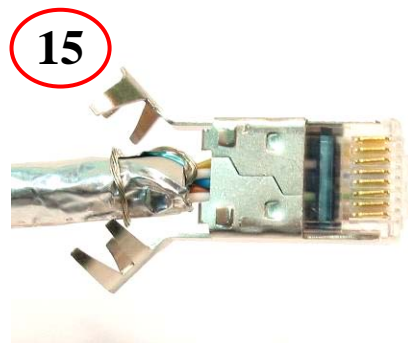
BLUE



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

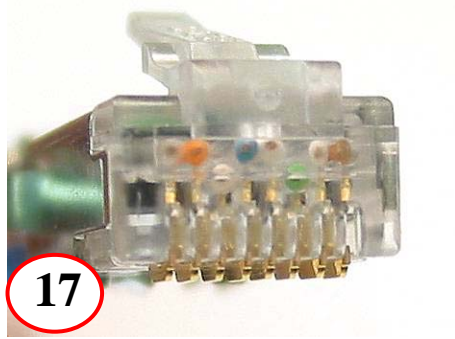


Close shield fingers by hand
Keep drain wire entirely under fingers

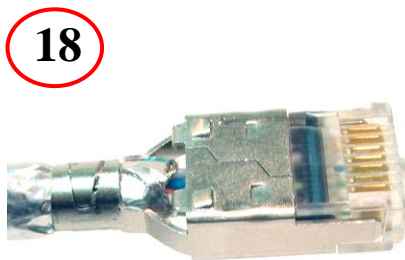
Bel Stewart Connector

Shielded 39200 Series Assembly Instructions
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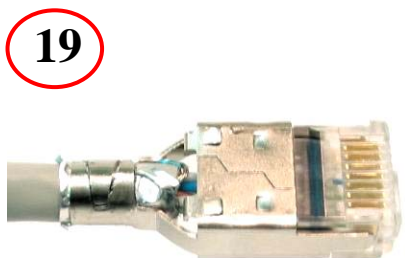
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17
Verify wires are visible through end of plug



18
Crimp contacts and shield fingers



19
Trim off excess foil shield