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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

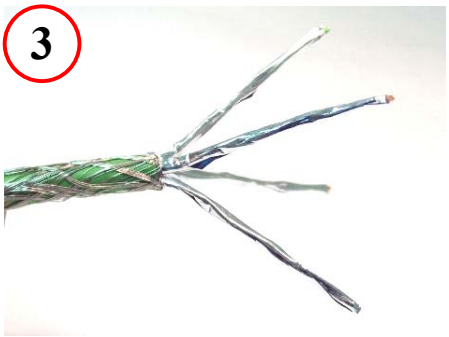
1

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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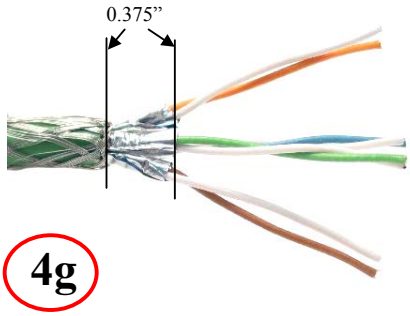
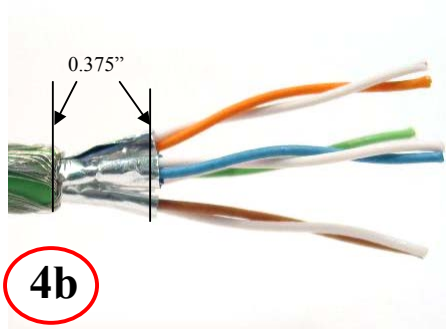
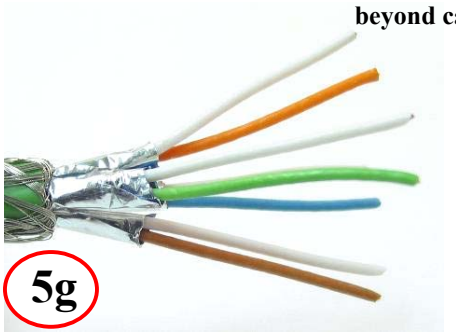
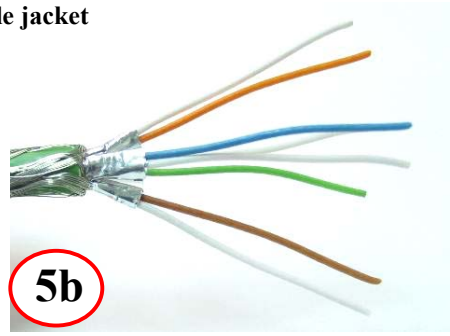
GREEN **BLUE**





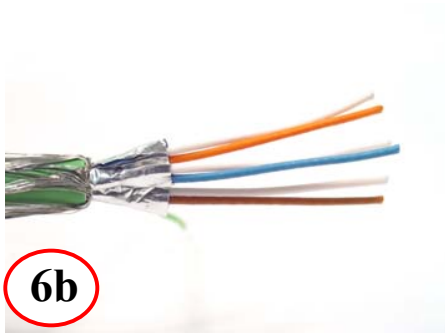
Trim individual pair shields, leaving approximately 0.375 inches (3/8”) sticking out beyond cable jacket





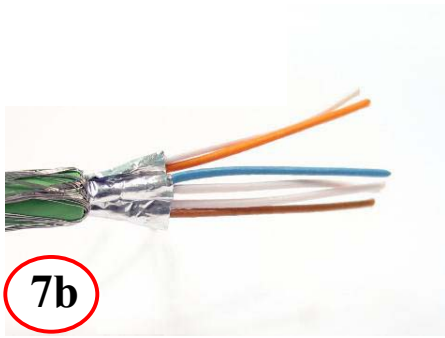
Untwist pairs back to ends of shields

Here, Brn pair has incorrect alignment
Add ½ twist as low as possible



Here, Blu pair has incorrect alignment
Add ½ twist as low as possible

Brn pair is now in correct alignment



Blu pair is now in correct alignment

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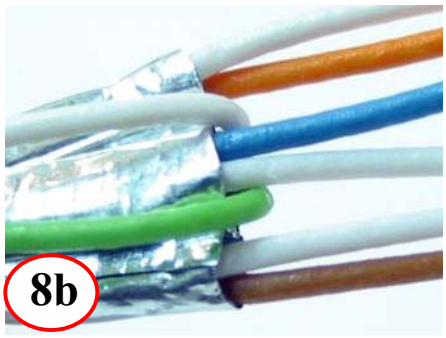
GREEN

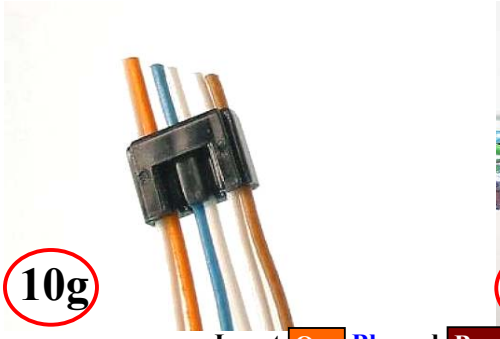
Fold Grn pair back

BLUE

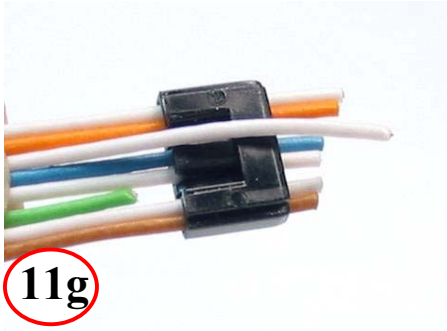


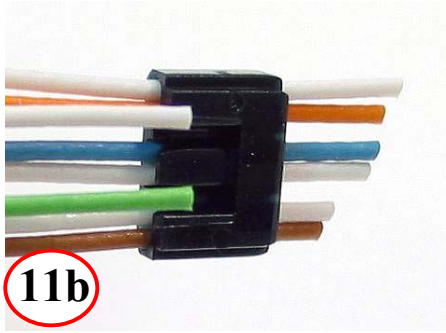
Split Grn pair around Blu pair, then fold back

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

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Individually Shielded Pair Cable
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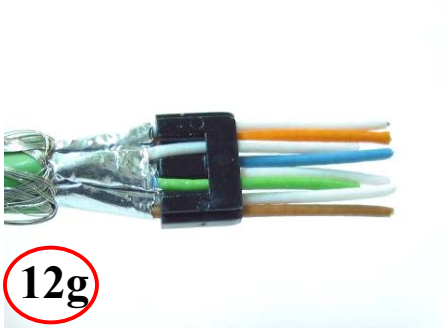
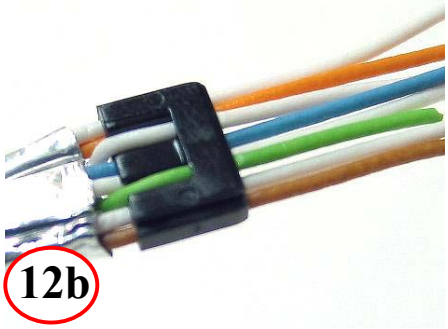
GREEN **BLUE**

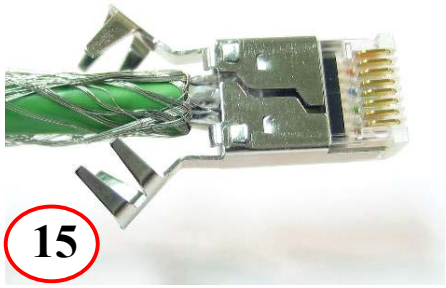




Slide load bar down to base of pairs

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

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Individually Shielded Pair Cable
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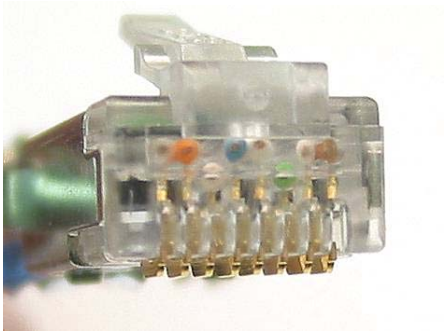
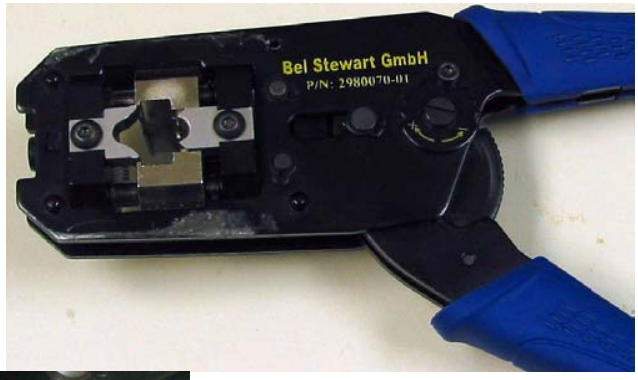
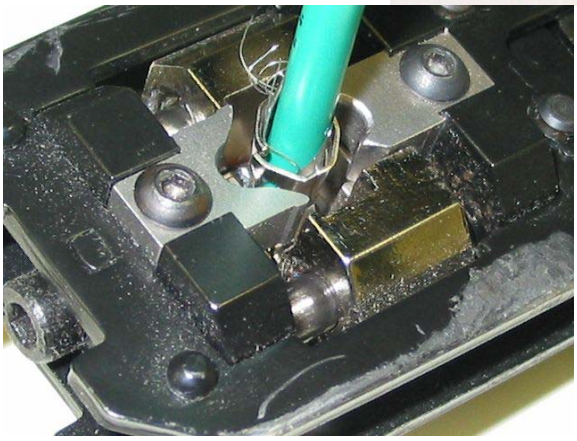
16 **Close shield fingers by hand**



17 **Verify wires are visible through end of plug**





18 **Crimp contacts and shield fingers. Trim off excess shield**

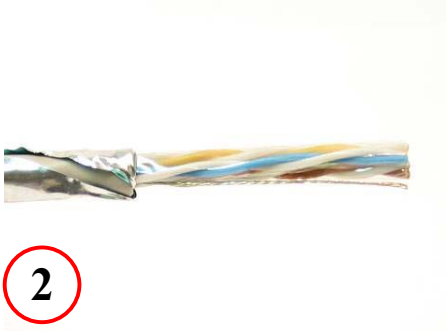
Bel Stewart Connector

OVERALL SHIELD

For Cable with Individual Shielded Pairs See Page 1

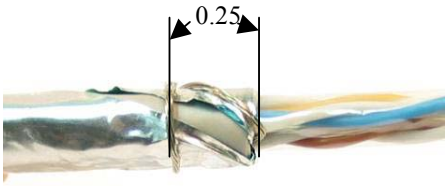
1

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 ¼" (0.25")
behind end of jacket

4

Remove any inner insulating jacket

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Overall Shield Cable
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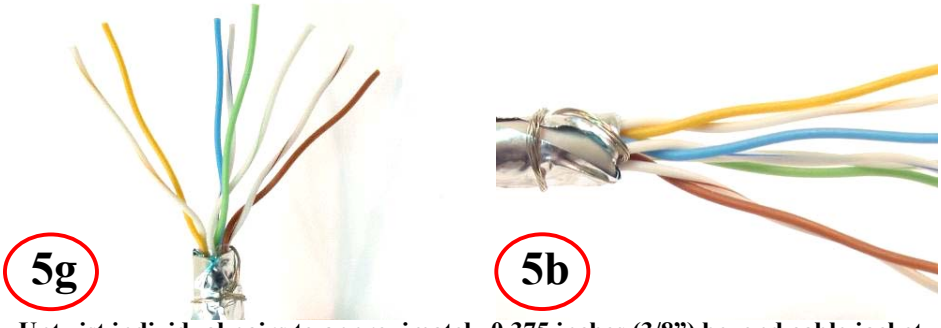
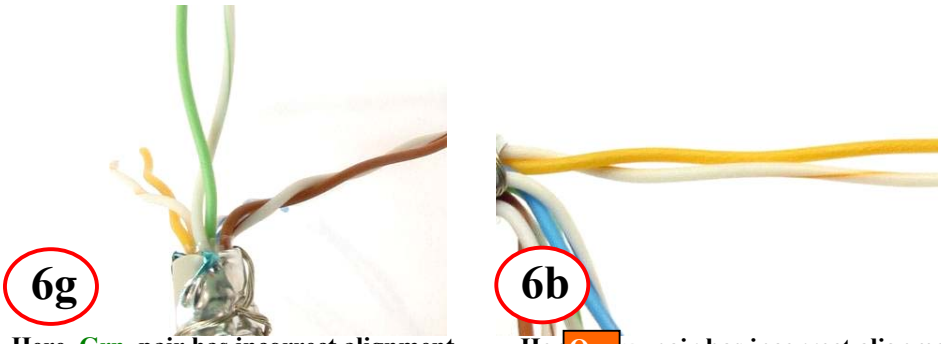
GREEN **BLUE**

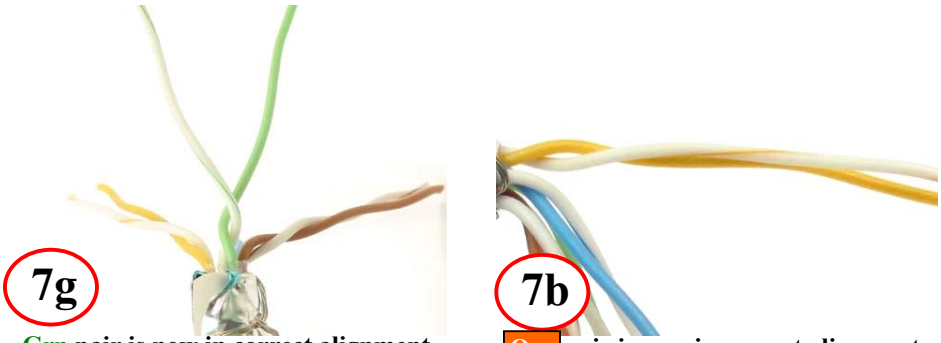


Untwist individual pairs to approximately 0.375 inches (3/8”) beyond cable jacket



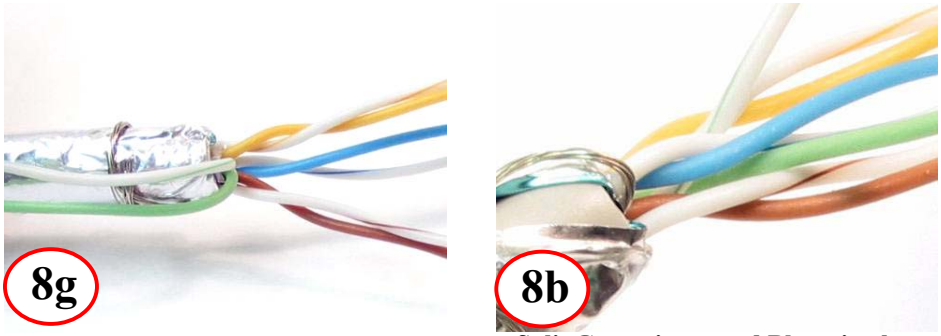
Here, Grn pair has incorrect alignment
Add ½ twist as low as possible

Her Org pair has incorrect alignment
Add ½ 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

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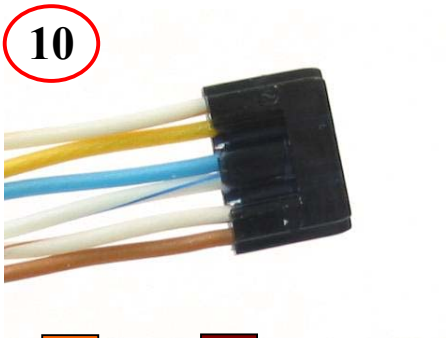
Overall Shield Cable
11118 Susquehanna Trail South Glen Rock, PA 17327

GREEN **BLUE**

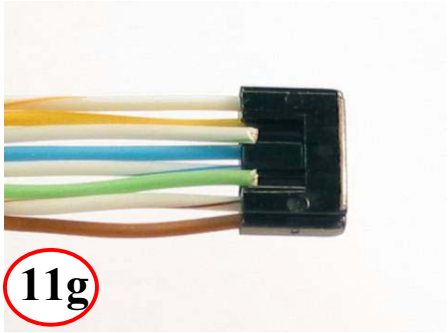
9

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

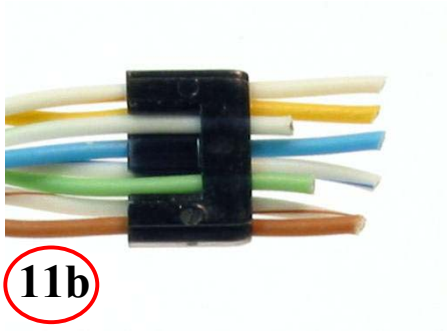
10



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

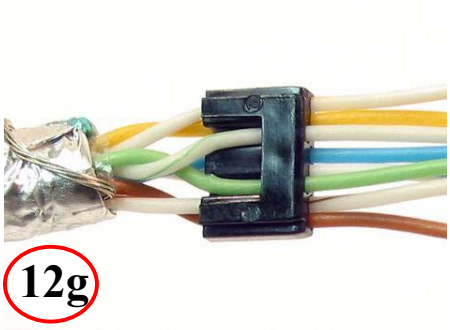


11g

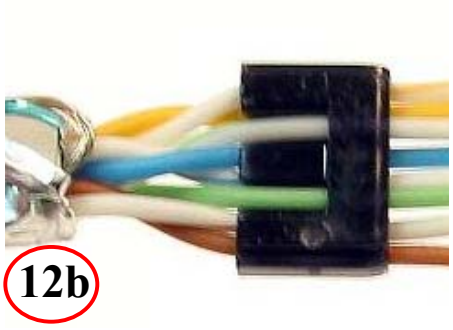


11b

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



12g



12b

Slide load bar down to base of pairs

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Overall Shield Cable
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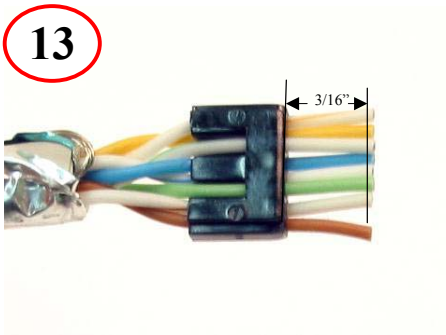
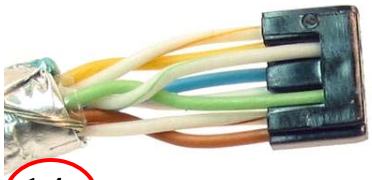
GREEN **BLUE**

13



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

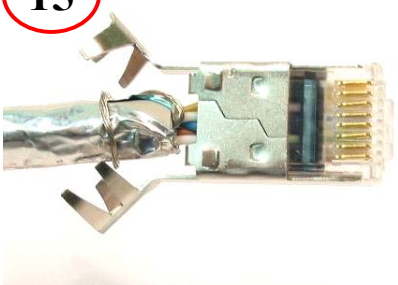


14g

14b

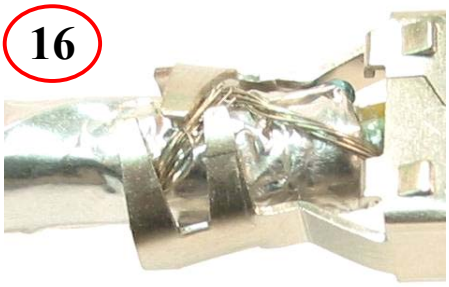
Slide load bar to end of pairs to make loading into housing easier

15



Gently insert assembly into housing

16



Close shield fingers by hand
Keep drain wire entirely under fingers

Bel Stewart Connector

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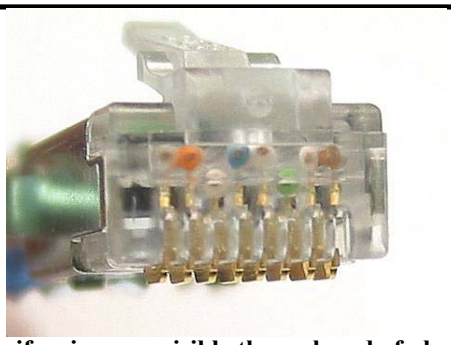
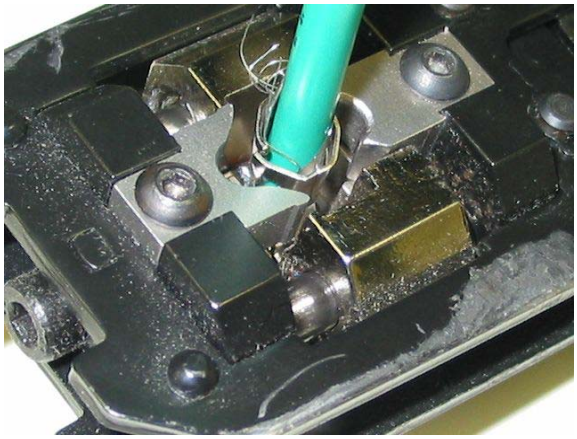
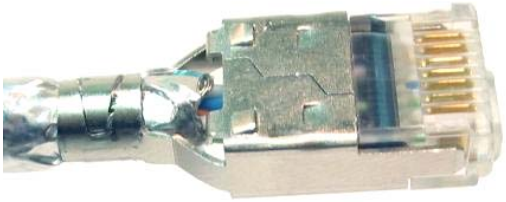
Overall Shield Cable
11118 Susquehanna Trail South Glen Rock, PA 17327



17 **Verify wires are visible through end of plug**





18 **Crimp contacts and shield fingers**

19 **Trim off excess foil shield**