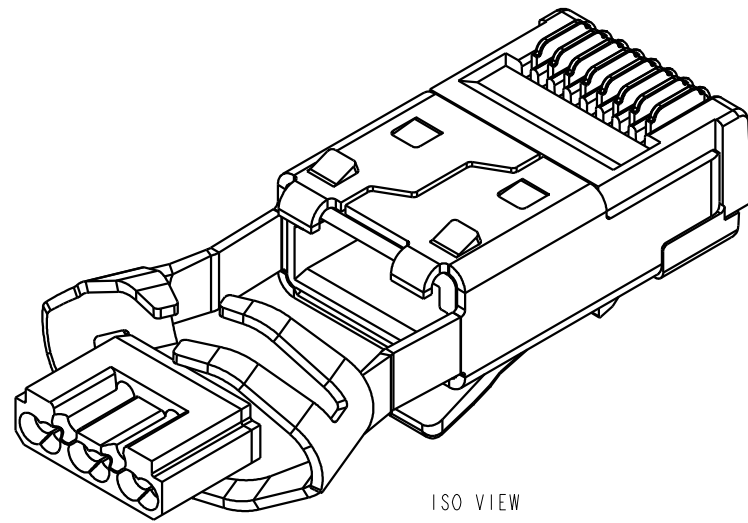
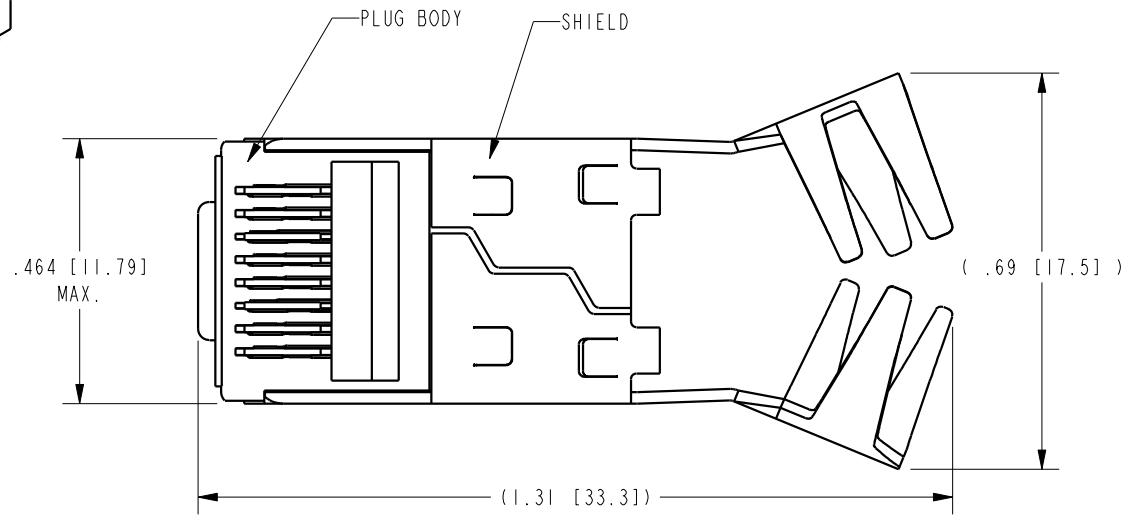


DATE	REV.	ECN	APP'D BY
9-17-10	A0	----	SAW
12-21-10	B0	9107	DHG
5-30-12	B1	9480	SMN
2-17-15	B2	10260	ADB

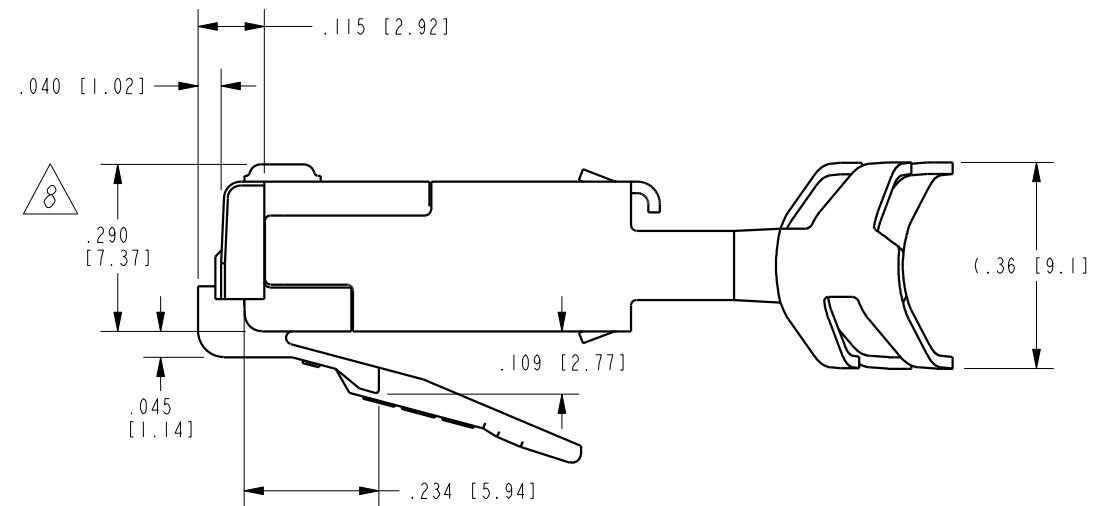
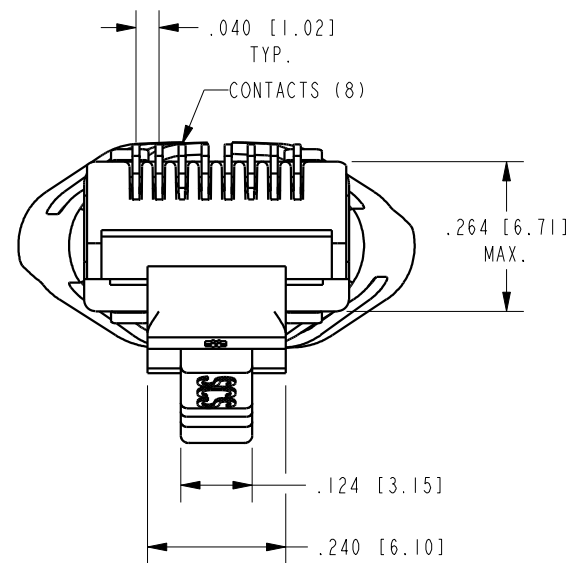


ISO VIEW

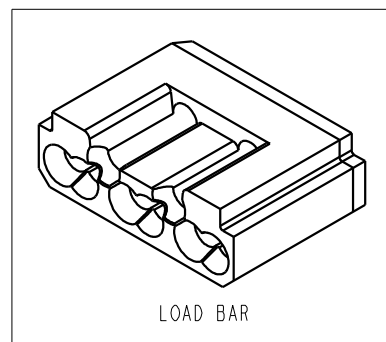


NOTES:

- PLUG KIT CONSISTS OF:  
PRE-INSERTED PLUG BODY WITH SHIELD  
LOAD BAR
- MATERIALS:  
PLUG BODY: CLEAR POLYCARBONATE, UL 94-V0  
LOAD BAR: BLACK POLYCARBONATE, UL 94-V0  
CONTACTS: COPPER ALLOY, SELECTIVE GOLD PLATING  
SHIELD: COPPER ALLOY, NICKEL PLATE
- FOR PRODUCT SPECIFICATION SEE PR026-01
- CONTACTS TERMINATE SOLID OR STRANDED CONDUCTORS BETWEEN .037 [0.94] TO .042 [1.07] OUTSIDE DIAMETER OF INSULATION.
- CRIMP IS FOR CABLES WITH OUTSIDE NOMINAL DIAMETERS OF .270 [6.86] TO .295 [7.49].
- PRODUCT DESIGNED FOR CATEGORY 6 APPLICATIONS.
- DIMENSIONS AND TOLERANCES COMPLY WITH TIA-1096 STANDARD.
- △ 8 TERMINATED PLUG HEIGHT: .237 [6.02] ±.005 [0.13].



BULK	50 MICRO-INCHES [1.27um]	SS-39200-019
PACKAGE	CONTACT PLATING IN MATING AREA	PART NUMBER



LOAD BAR



THIRD ANGLE PROJECTION

DO NOT SCALE DRAWING  
DRAWING IS SUBJECT TO CHANGE WITHOUT NOTICE

DIMENSIONS: INCHES [METRIC]

UNLESS OTHERWISE SPECIFIED TOLERANCES ARE ±.005 [0.13] ANGLES ARE ±1°

SHEET NO. 1 OF 1

11118 Susquehanna Trail South  
Glen Rock, PA 17327-9199  
(717) 235-7512  
<http://www.stewartconnector.com>

TITLE: 8 CONDUCTOR, 8 POSITION SHIELDED CAT 6 PLUG WITH LOAD BAR, .295" MAX OD CABLE

THIS DRAWING AND THE SUBJECT MATTER SHOWN THEREON ARE CONFIDENTIAL AND THE PROPRIETARY PROPERTY OF STEWART CONNECTOR AND SHALL NOT BE REPRODUCED, COPIED, OR USED IN ANY MANNER WITHOUT PRIOR WRITTEN CONSENT OF STEWART CONNECTOR. THIS PRODUCT MAY BE PROTECTED BY ONE OR MORE OF THE FOLLOWING US PATENTS:  
5628647 6402559 6409535 6524128  
7753717 8033863  
OTHER PATENTS MAY BE PENDING.

DRN BY:	SAW	DATE	8-4-10
APPD BY:	DHG	DATE	8-4-10
DWG. NO.	CT390071	REV.	B2

# 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

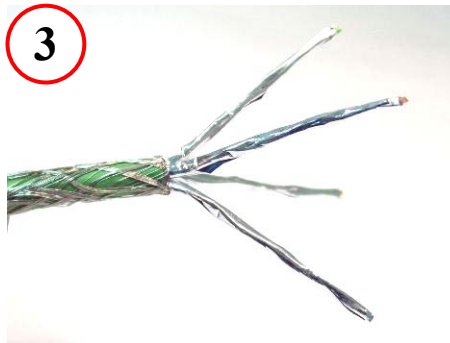
Trim off approx. 1.75 to 2.00 inches of cable jacket  
Do not nick shield

2



Fold shield back over cable jacket

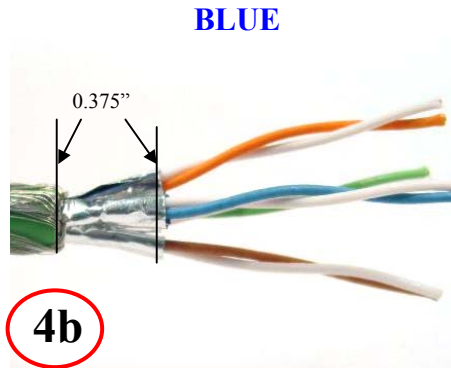
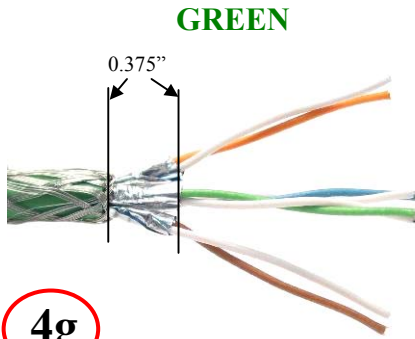
3



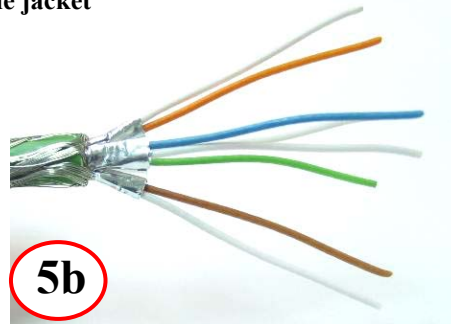
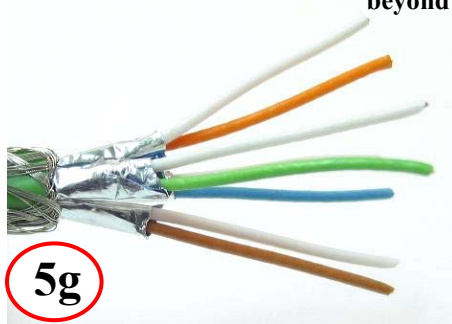
Spread apart pairs

# Bel Stewart Connector

Shielded 39200 Series Assembly Instructions  
Individually Shielded Pair Cable  
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



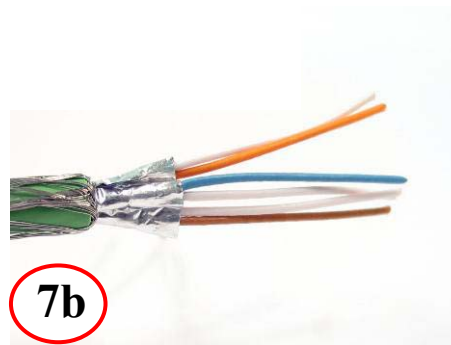
Here, **Brn** pair has incorrect alignment  
Add 1/2 twist as low as possible



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



**Brn** pair is now in correct alignment

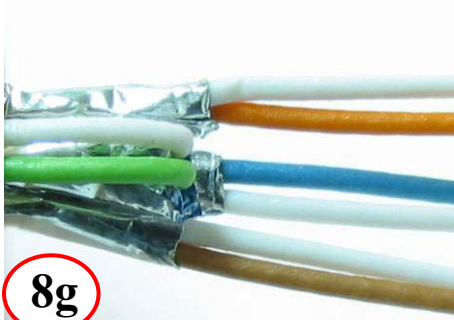


**Blu** pair is now in correct alignment

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Individually Shielded Pair Cable  
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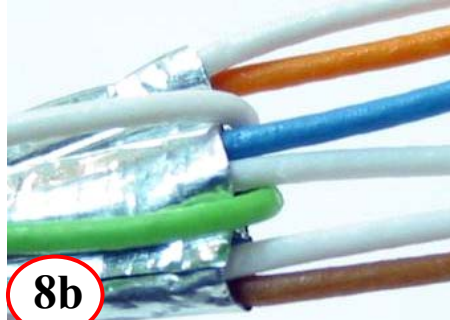
GREEN



8g

Fold Grn pair back

BLUE



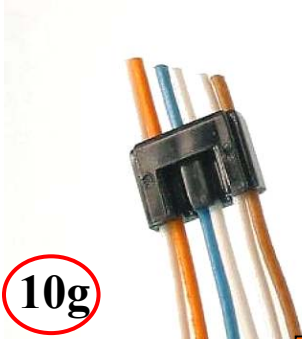
8b

Split Grn pair around Blu pair, then fold back



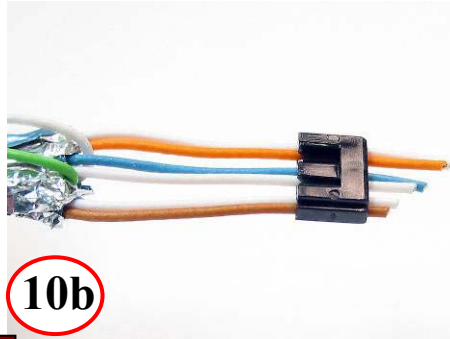
9

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

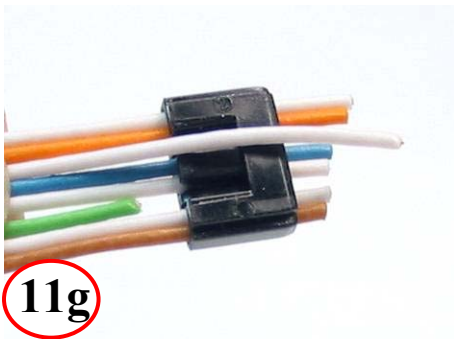


10g

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

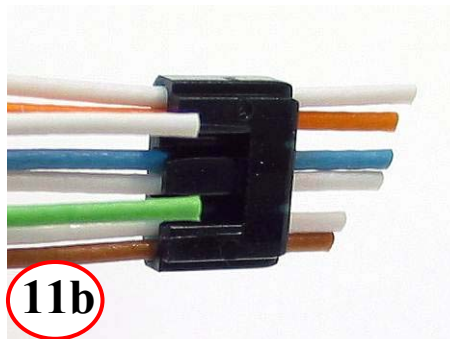


10b



11g

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



11b

# Bel Stewart Connector

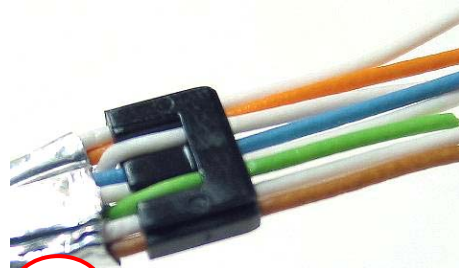
Shielded 39200 Series Assembly Instructions  
Individually Shielded Pair Cable  
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GREEN

BLUE

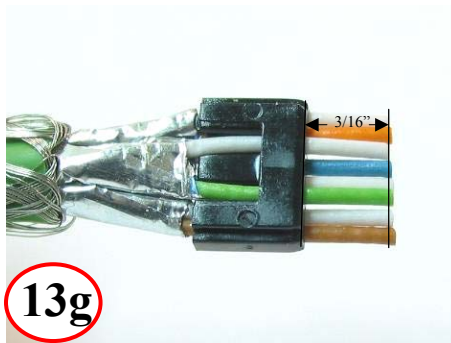


12g



12b

Slide load bar down to base of pairs



13g



13b

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

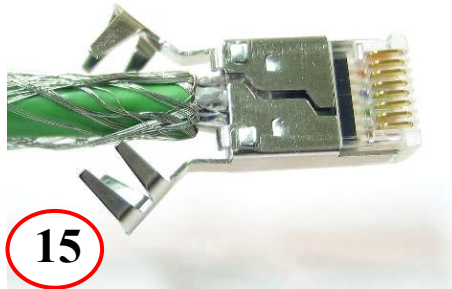


14g



14b

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



15

Gently insert assembly into housing

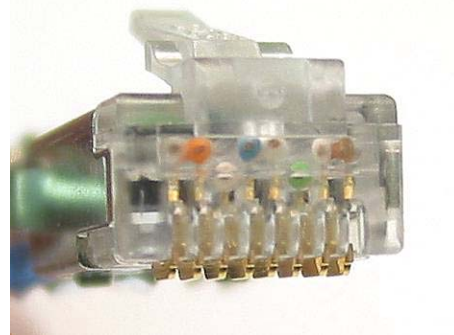
# Bel Stewart Connector

Shielded 39200 Series Assembly Instructions  
Individually Shielded Pair Cable  
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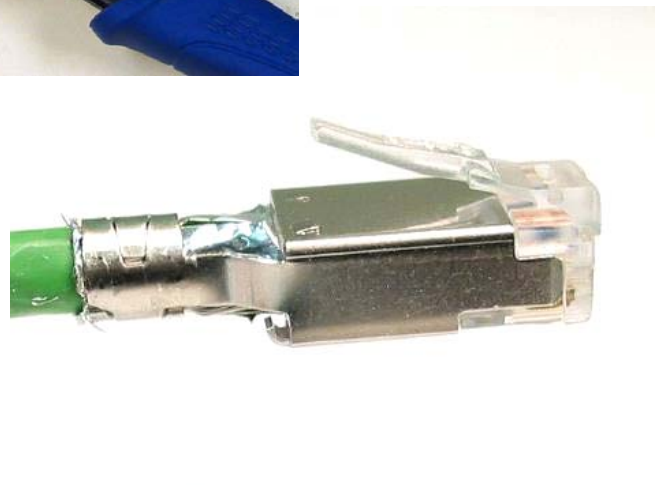
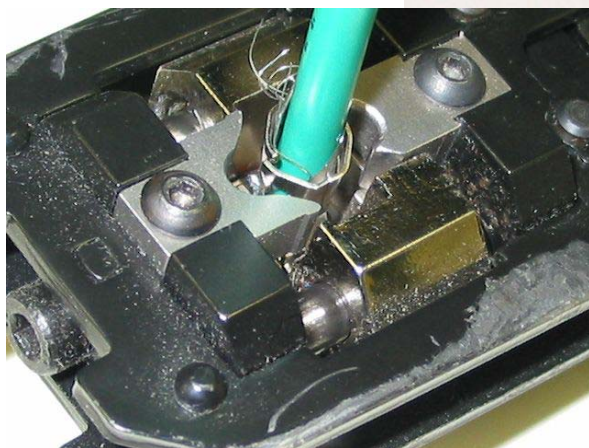
**16**

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

Shielded 39200 Series Assembly Instructions  
Overall Shield Cable

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## OVERALL SHIELD

For Cable with Individual Shielded Pairs See Page 1



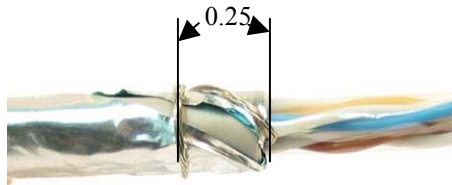
**1**

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



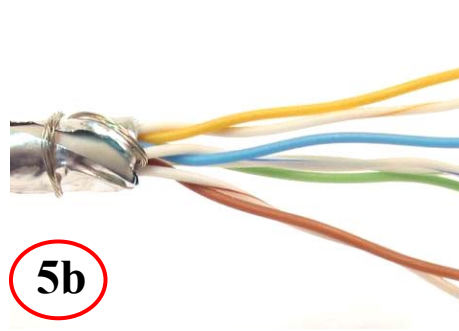
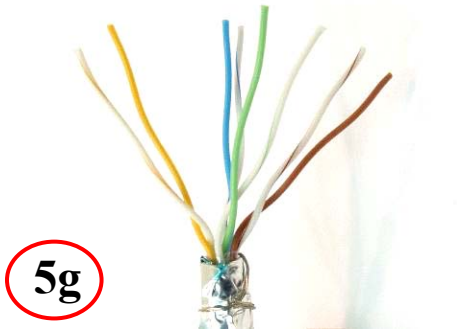
**4**

Remove any inner insulating jacket

# Bel Stewart Connector

GREEN

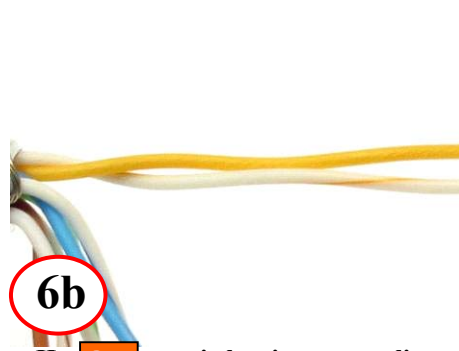
BLUE



5g

5b

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

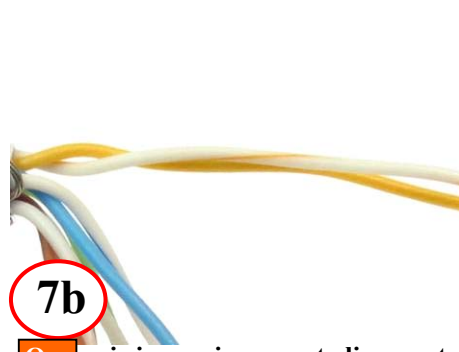
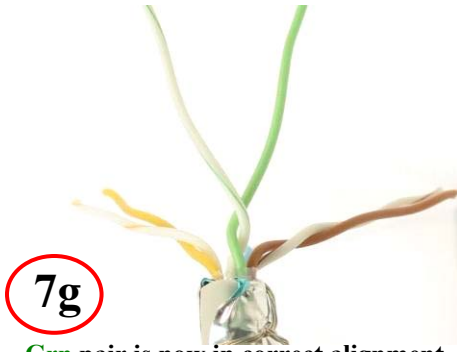


6g

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

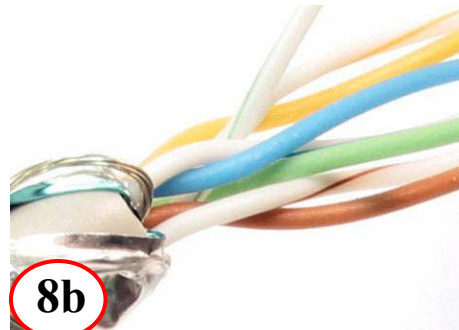
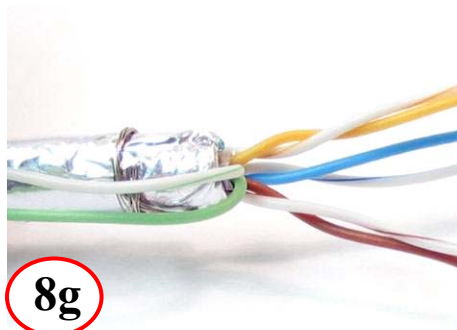


7g

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



# Bel Stewart Connector

Shielded 39200 Series Assembly Instructions  
Overall Shield Cable

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GREEN

BLUE

9

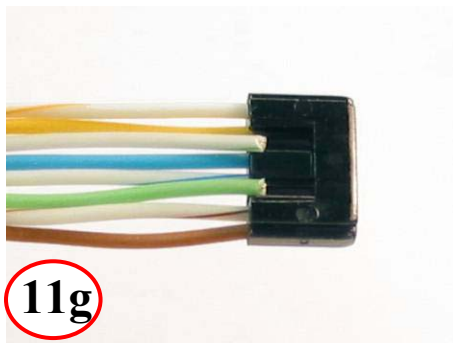


Trim ends of **Org** **Blu** and **Brn** pairs @ slight angle to make loading easier

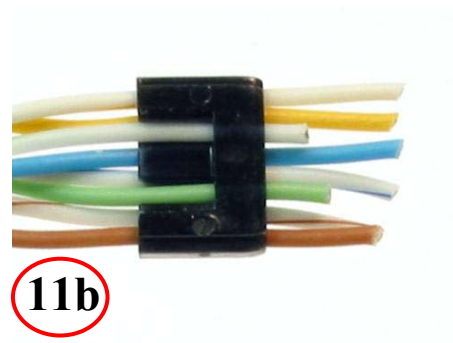
10



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

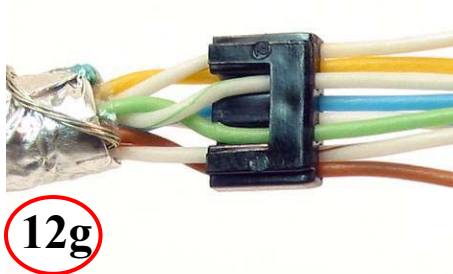


11g

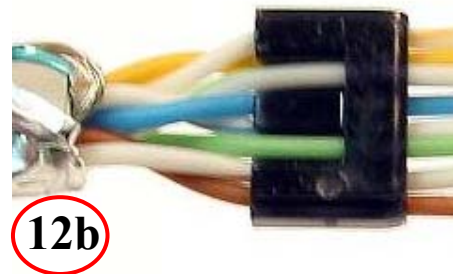


11b

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



12g



12b

Slide load bar down to base of pairs

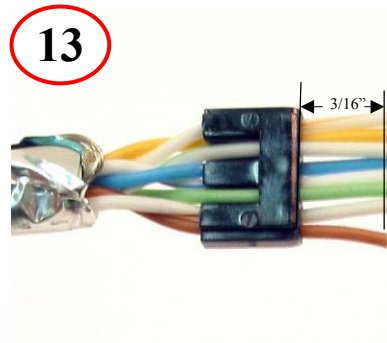
# Bel Stewart Connector

Shielded 39200 Series Assembly Instructions  
Overall Shield Cable

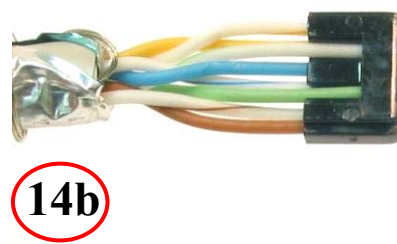
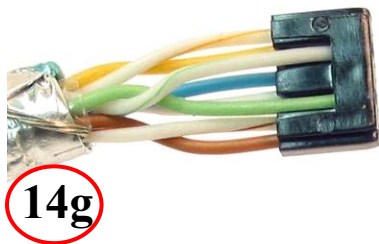
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GREEN

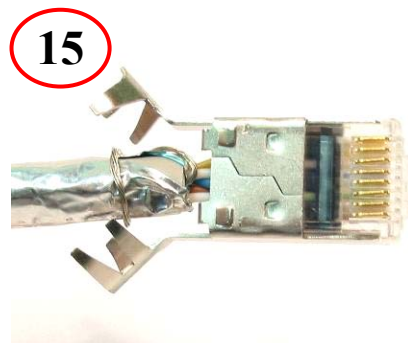
BLUE



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

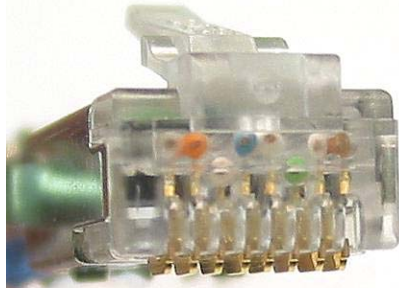


Close shield fingers by hand  
Keep drain wire entirely under fingers

# Bel Stewart Connector

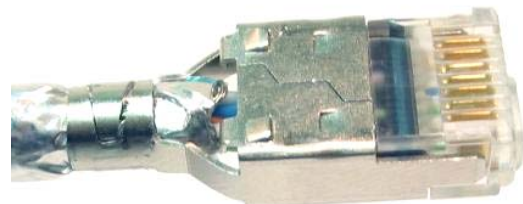
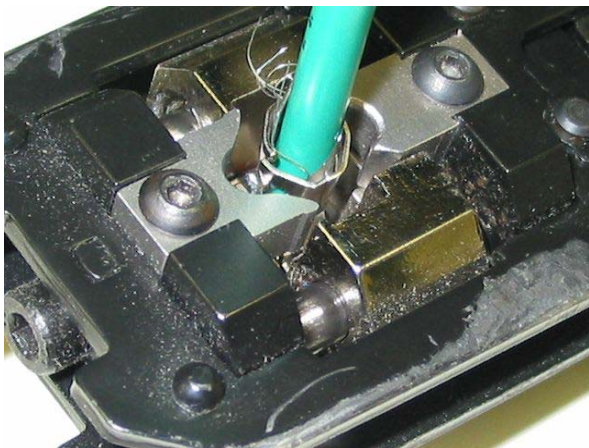
Shielded 39200 Series Assembly Instructions  
Overall Shield Cable

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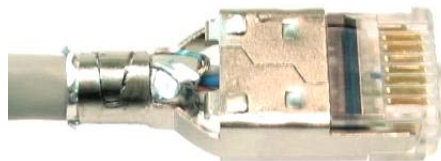
**17**

Verify wires are visible through end of plug



**18**

Crimp contacts and shield fingers



**19**

Trim off excess foil shield