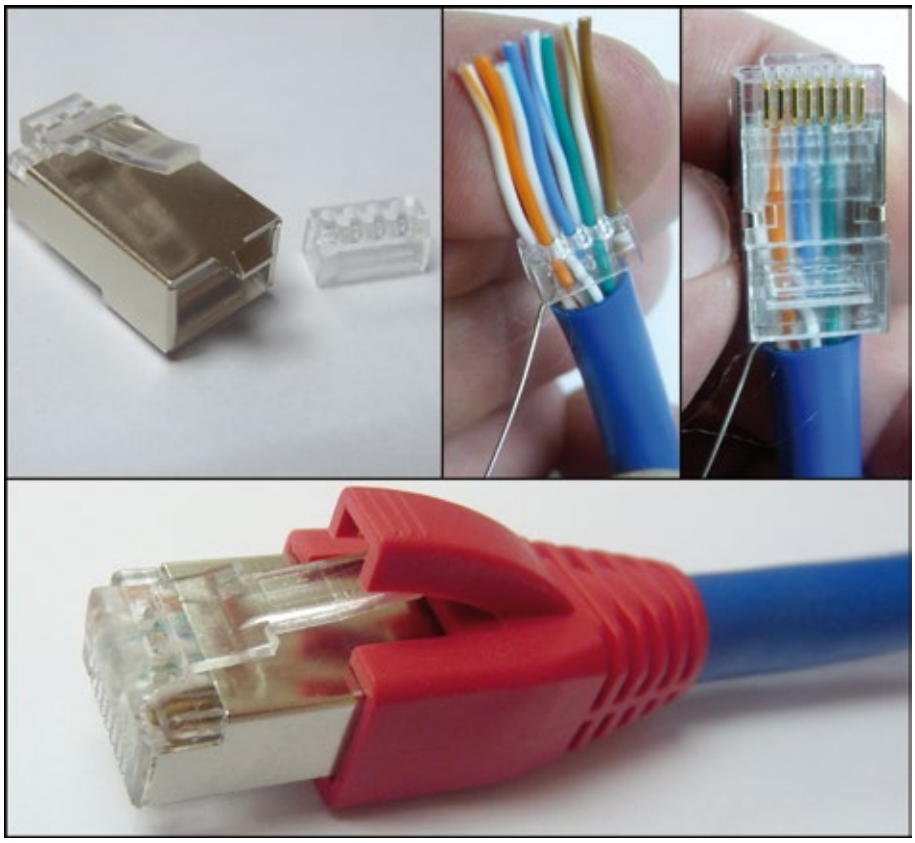
How to terminate an F/UTP CAT 6A/6 cable with the LP-LRJ458P8CC6FL21 Plug.

LPLRJ458P8CC6FL21_M123_ENB01W



How to terminate an F/UTP CAT 6A/6 cable with the LP-LRJ458P8CC6FL21 Plug.

1 Please choose the connection standard.

568A	White - Green
	Green
	White - Orange
	Blue
	White - Blue
	Orange
	White - Brown
	Brown

568B	White - Orange
	Orange
	White - Green
	Blue
	White - Blue
	Green
	White - Brown
	Brown

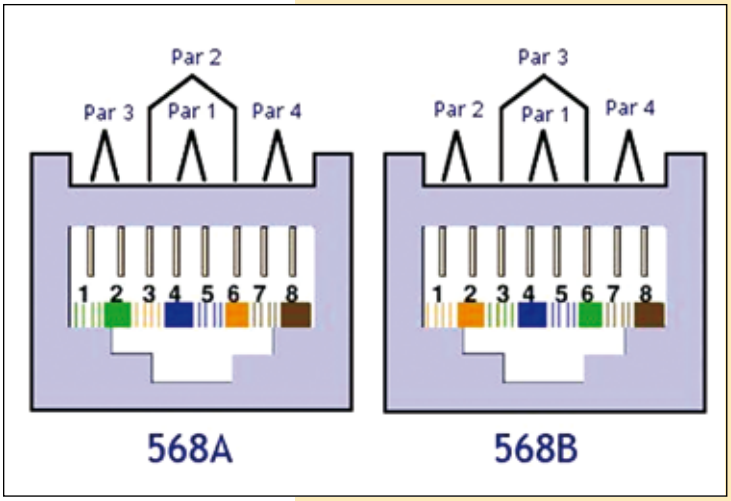


Figure 1

2 The needed tools are shown in **Figure 2:**

a.	Crimper - Cutter tool By LanPro: LPT-210C
b.	Cutting plier
c.	Cable stripper by LanPro LPT-S501A
d.	F/UTP CAT 6A/6 LanPro network cable LP-C6300BLB CMX Rated.
e.	1 LP-LRJ458P8CC6FL21 CAT 6A/6 LanPro Fully shielded connector.
f.	1 Measuring rule (mm)
g.	1 pair of Pliers by LanPro LPT-PLCT101
h.	Soldering tool
i.	Tin-Lead solder 60/40
j.	Screwdriver

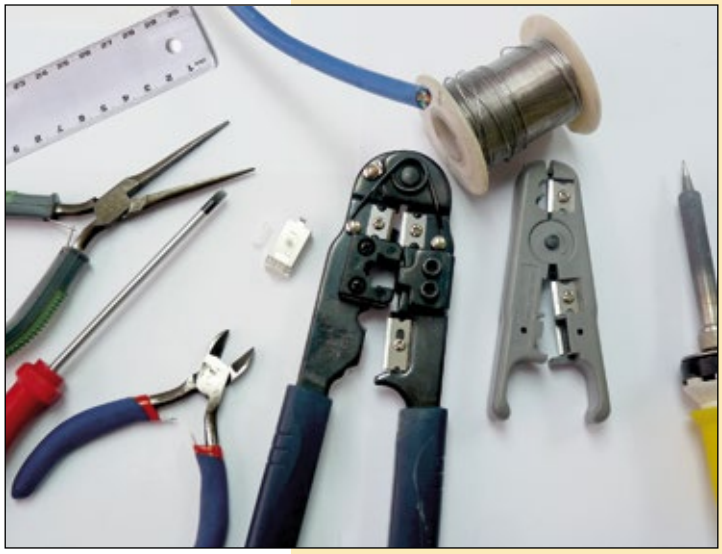


Figure 2

3 **Figures 3** and **4** show the connector parts 2

Figure 3

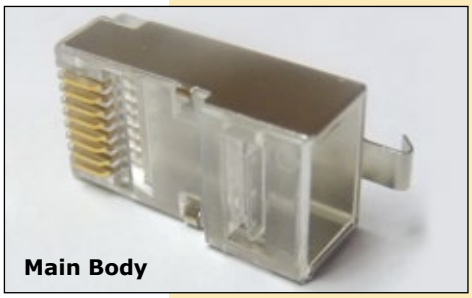


Figure 4

4 Insert the snagless boot on the cable, then strip a length of 50 mm as shown in **Figure 5.**

Figure 5

5 Proceed to strip the aluminum foil shield and the jacket and put the drain wire aside for later connection to the grounding pin of the connector as shown in **Figure 6.**

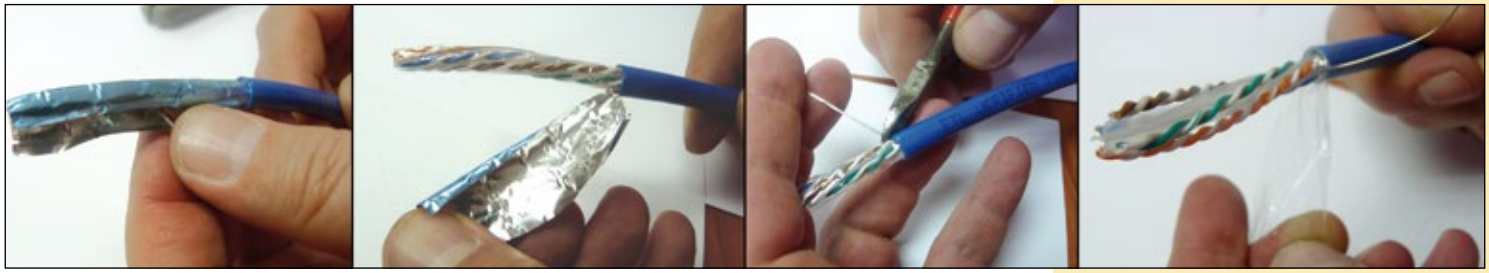


Figure 6

6 Please separate the copper conductor pairs and cut the plastic separator as shown in **Figure 7.**

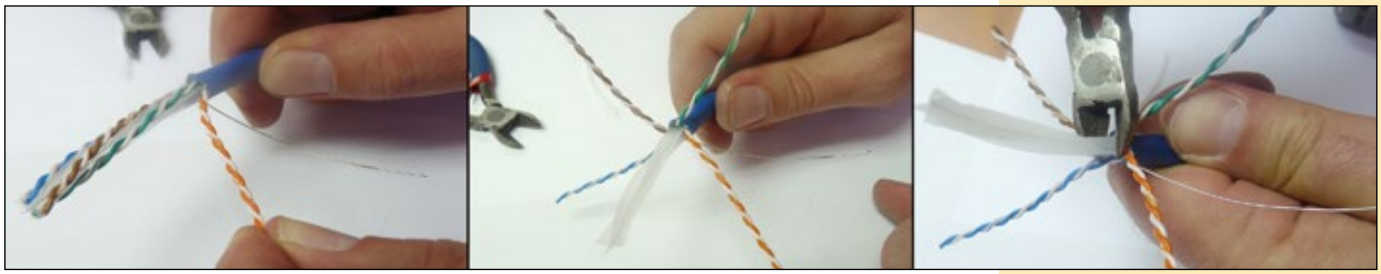


Figure 7

7 Please separate each pair wires and straighten them with the help of the screwdriver. As shown in **Figure 8.**

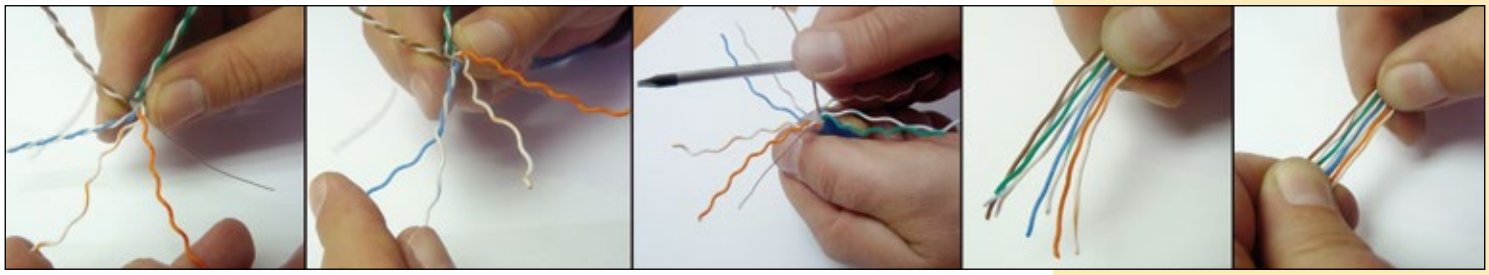


Figure 8

8 Proceed to measure an approximate length of 30mm from the jacket end and make a straight cut with the cable Crimp tool cutter as shown in **Figures 9** and **10.**

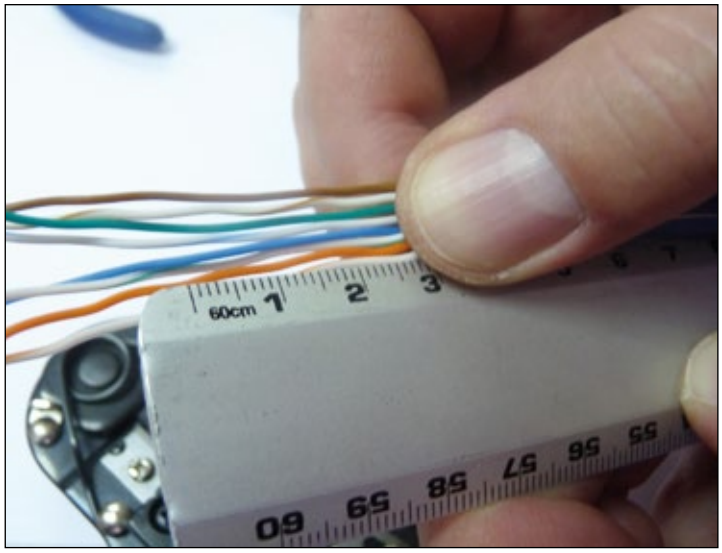


Figure 9

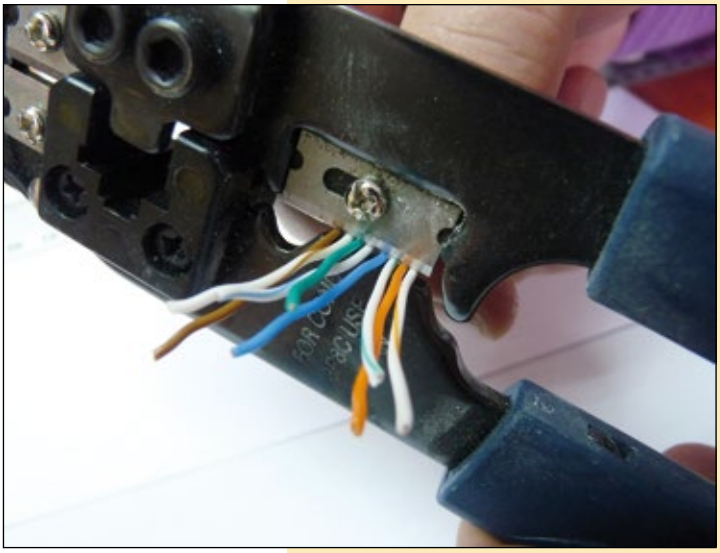


Figure 10

9 Proceed to bend the individual color coded conductors with an 10 to 15 degrees angle as shown in **Figures 11** and 12, please follow color order as per the 568B coding in this example.

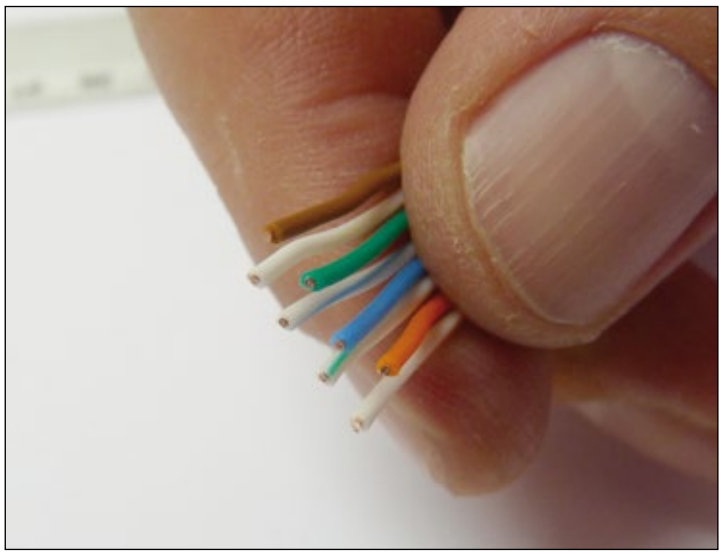


Figure 11

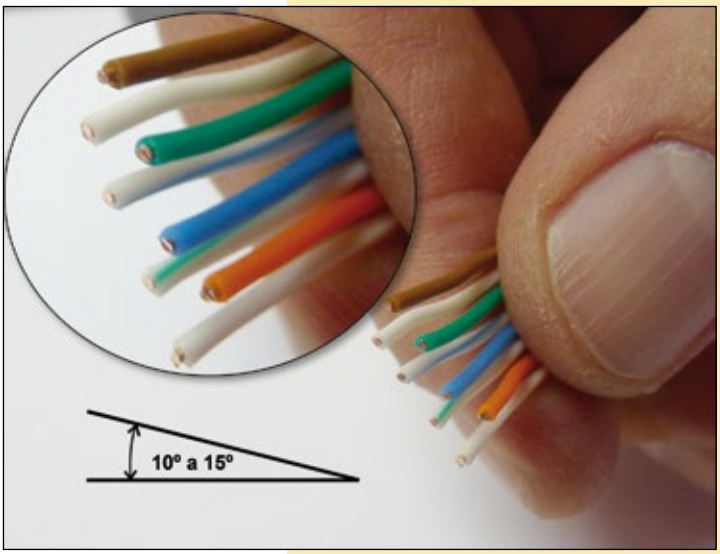


Figure 12

10 Proceed to insert the conductors maintaining the order explained above in the **Organizer Insert**, as shown in **Figure 13.**

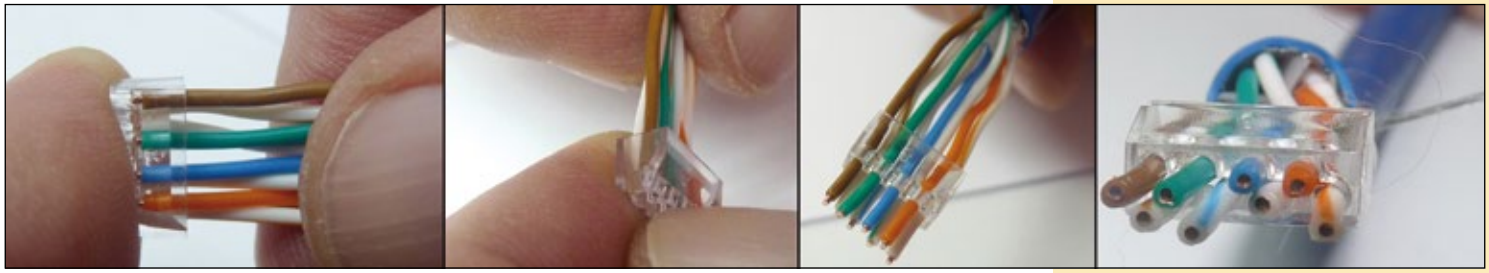


Figure 13

11 Proceed to slide the **Organizer Insert** until it touches the border the jacket as shown in the **Figures 14** and **15.**

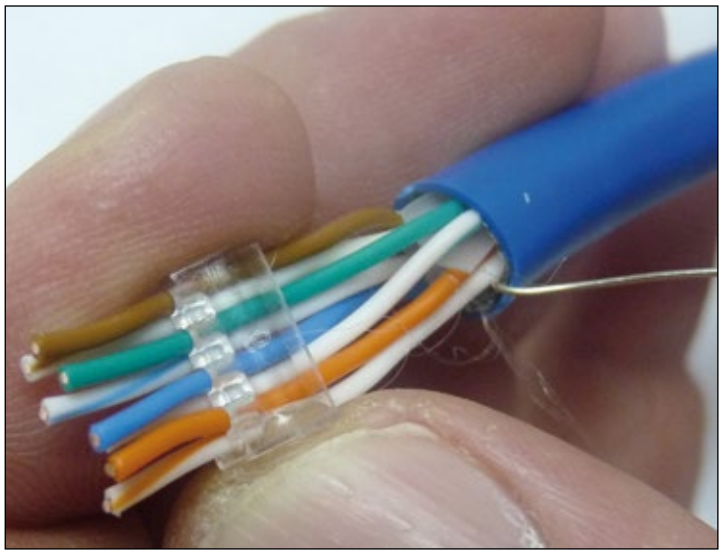


Figure 14

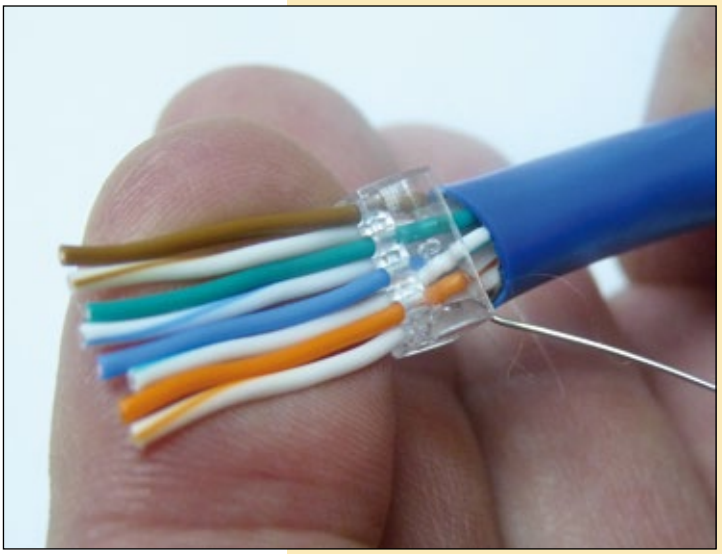


Figure 15

12 Please measure with a ruler the approximate distance of 10 mm from the Organizer Insert until the extreme of the **Main Body**, as shown in **Figures 16** and **17.**

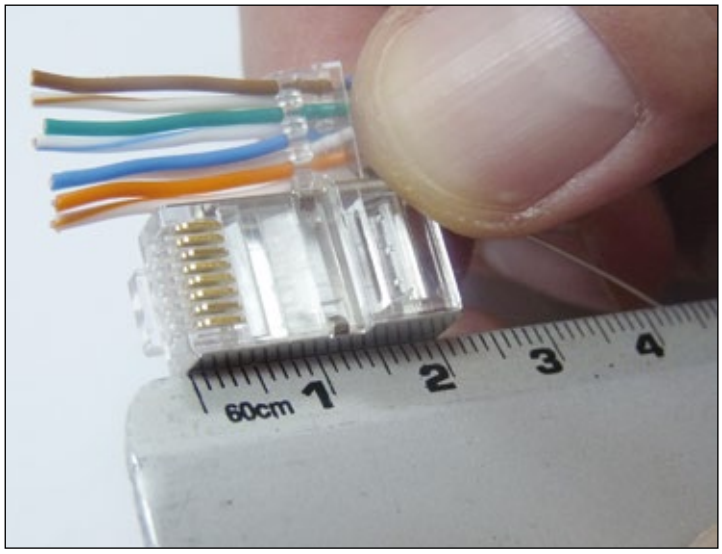


Figure 16

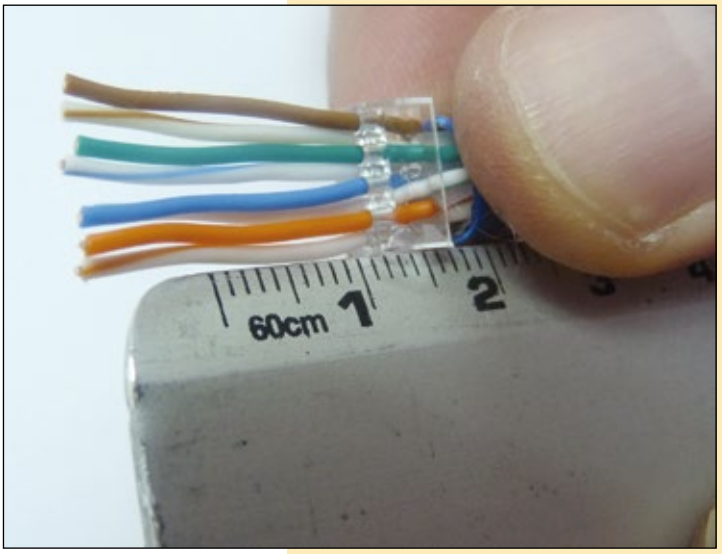


Figure 17

13 Use the **Crimper-Cutter** tool to make a straight cut as measured above as shown in **Figure 18.**

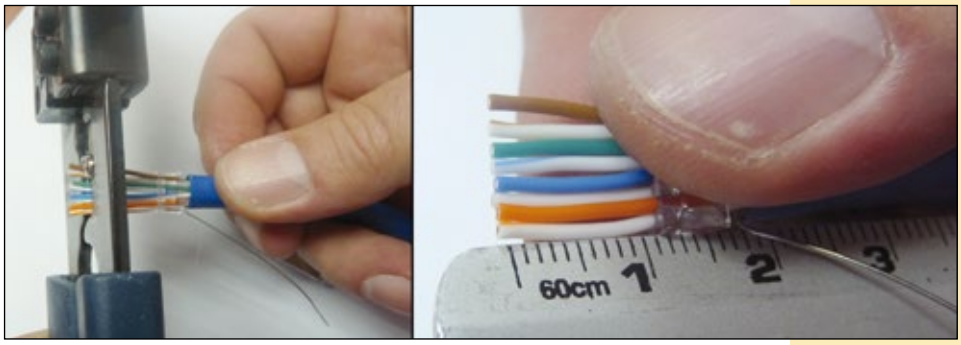


Figure 18

14 Insert the cable in the **Main Body** as shown in **Figure 19.**

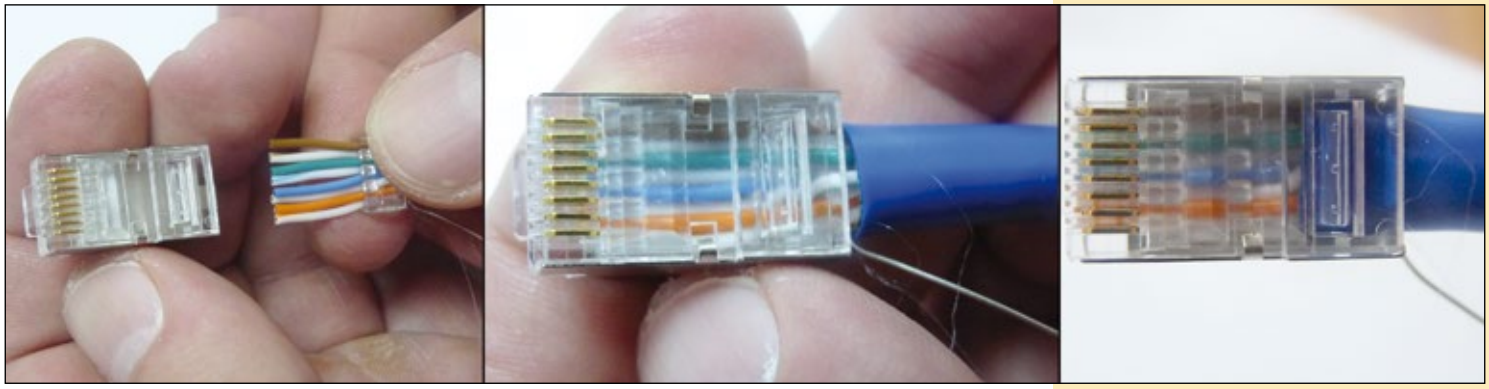


Figure 19

15 Check that all the individual conductor tips reach the extreme of the Main Body as shown in the **Figure 20.**

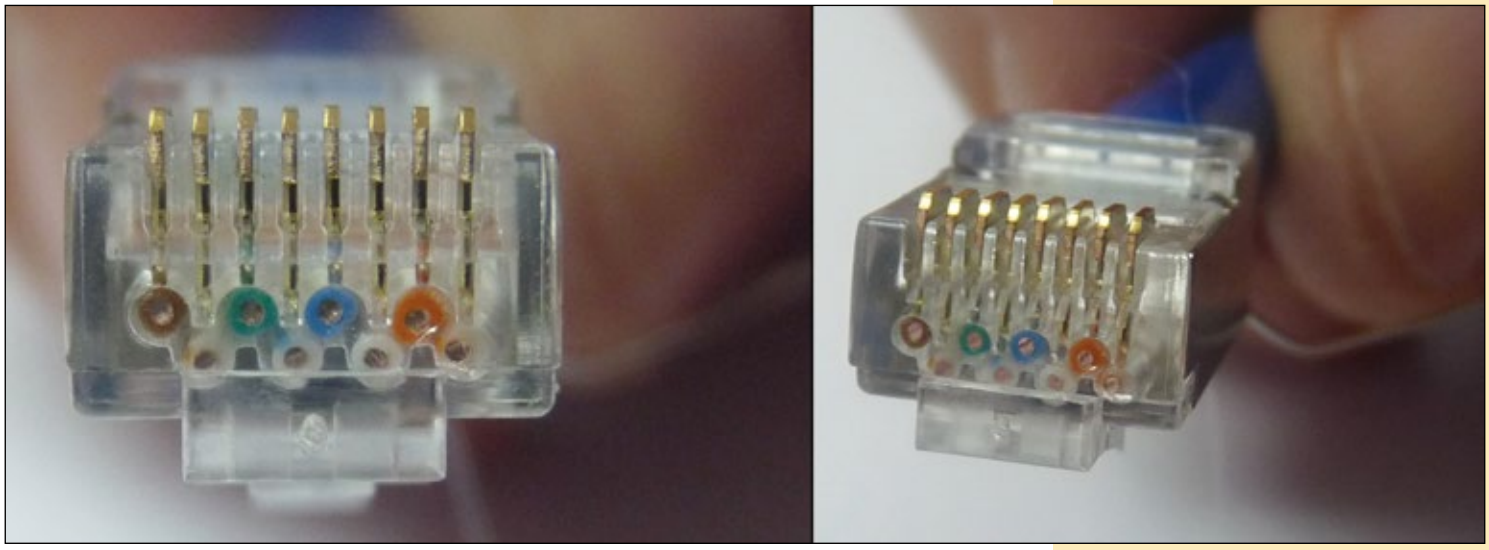


Figure 20

16 Proceed to crimp the plug with the Crimper-Cutter tool as shown in **Figure 21.**

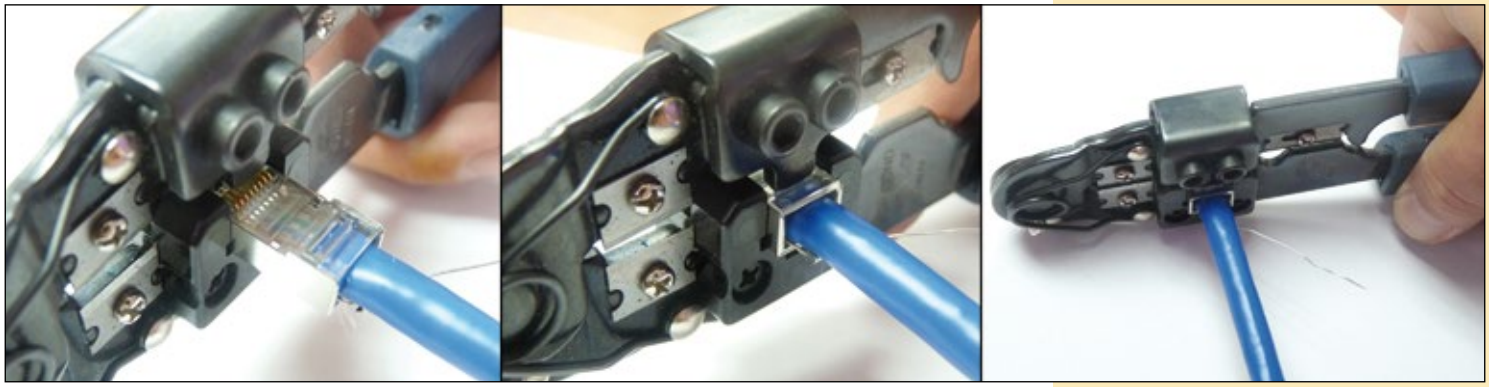


Figure 21

17 Proceed to twist the grounding tab slightly (about 30º over the plane of the plug) and to wrap 1 ½ turns of the drain wire on it as shown in the images of **Figure 22.**

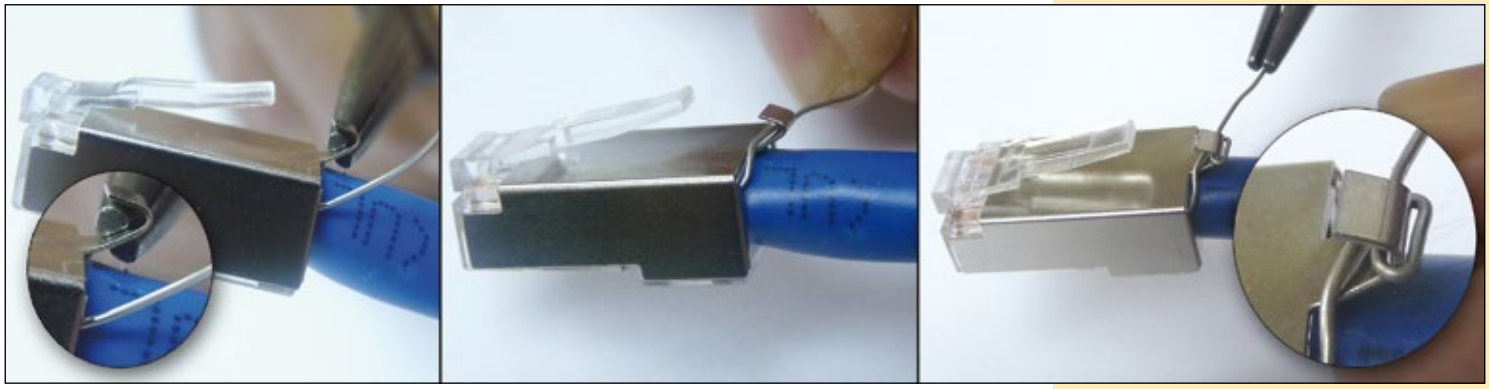


Figure 22

18 Proceed to crimp the grounding tab and drain wire with the help of a pair of pliers, as shown in the images of **Figure 23.**

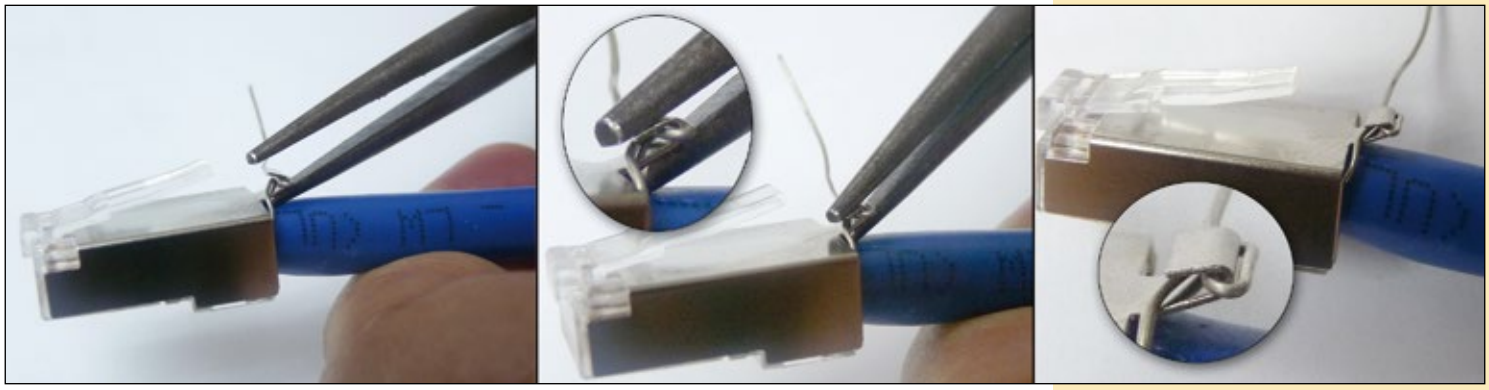


Figure 23

19 Proceed to apply heat with the tip of the older iron and then apply a tiny amount of solder until it flows and covers the two pars without excess solder as it might not enter the boot opening and without moving the part to avoid the formation of a cold solder joint. Once the solder sets and cools, proceed to cut the excess drain wire. (Please see the images of **Figure 24**).

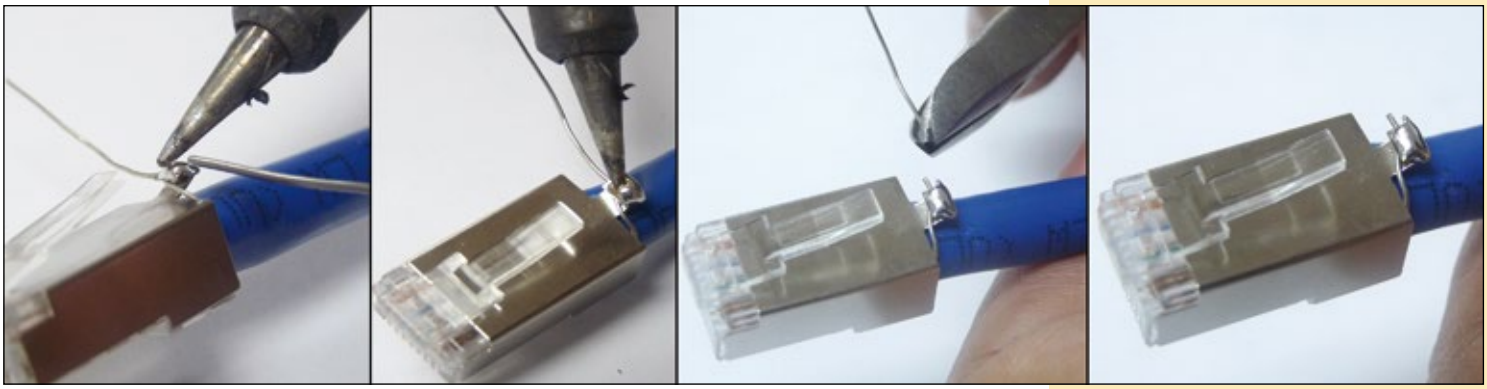


Figure 24

20 With the help of the set of pliers tool, crimp the soldered lug to the cable to level it so it can enter the boot opening, then slide the boot against the plug to finish the termination of the cable, as shown in the images of **Figure 25.**

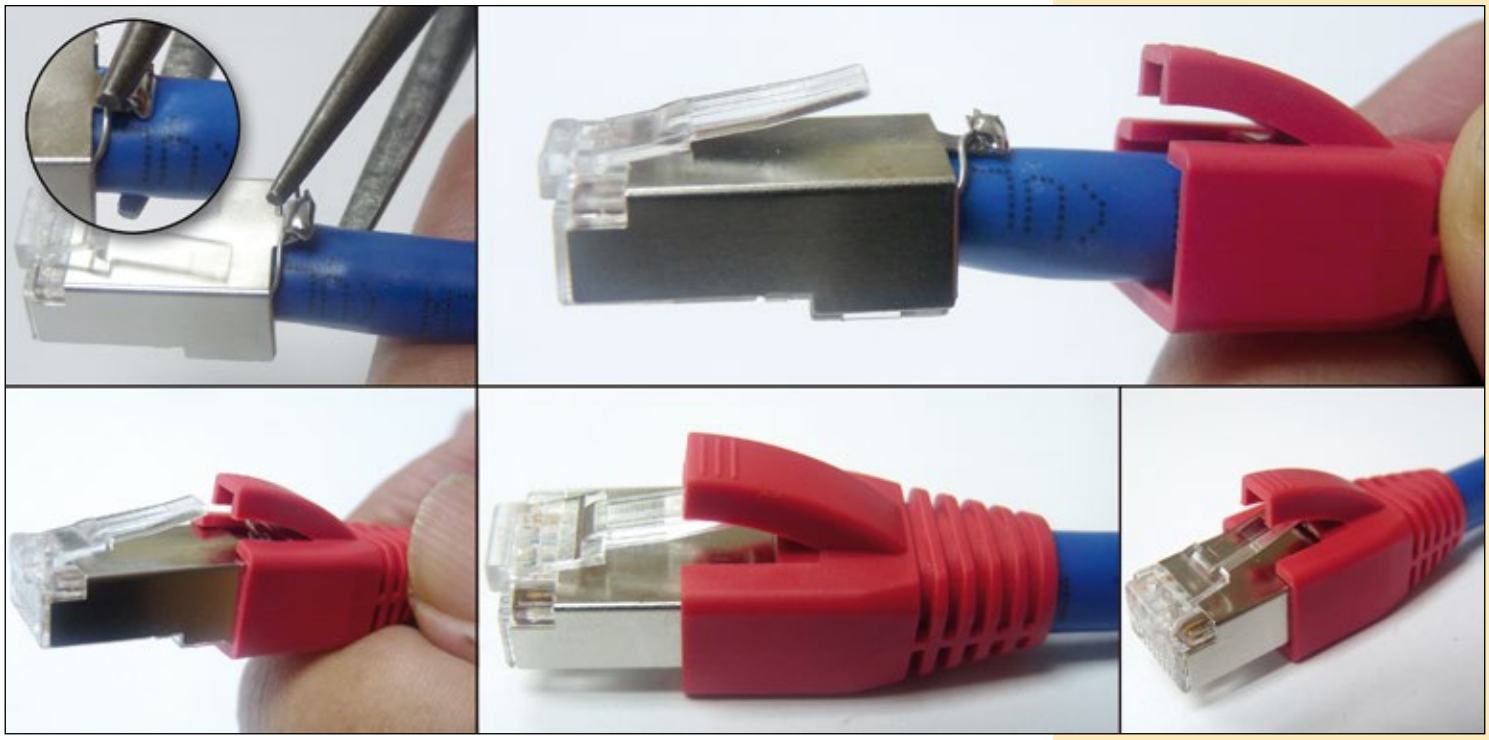


Figure 25