

How to Make a Category 6 Patch Cable



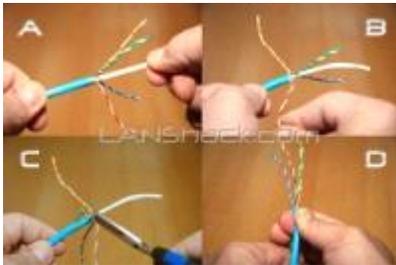
1. Cut the cable to the length that you will need.
If you are planning to use boots, this would be a good time to slip them on.
Place each boot facing out on the cable.



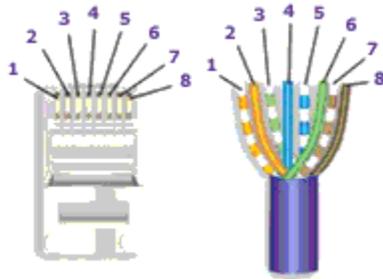
2. Skin the cable about 1.5 down.



3. Remove all of the twists in the cables pairs.
TEC-TIP: Use a piece of the removed insulation to make it easy to remove the twists from each pair.
Un-twist each pair, and straighten each wire between the fingers.



4. Cat 6 cable has a center spine that needs to be removed.
Pull on the spine and fold the pairs back.
Then cut the spine as close to the cables end as possible.



5. Place the wires in the order of one of the two diagrams shown above (568B or 568A).
Here we have chosen the 568B diagram which is by far the most popular.
If you are unsure, go with the 568B wiring.



6. Bring all of the wires together, until they touch.
Hold the grouped (and sorted) wires together tightly, between the thumb, and the forefinger.
At this point, recheck the wiring sequence with the diagram.



7. **TEC-TIP:** Cut the wires on a very sharp angle to make it easier to install the load-bar(in the next step).



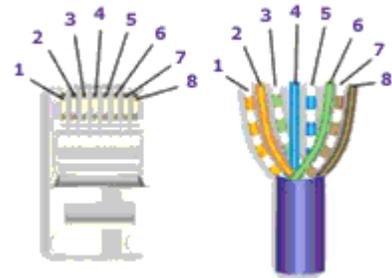
8. Insert the loadbar on the wires one wire at a time.
This is why we recommended cutting the wires on an angle.



9. Check the wiring sequence one more time.
Then slide the load bar down all the way and make a straight cut about 0.25 past the loadbar.
A perfectly straight cut is essential here.



10. Insert the connector onto the load bar assembly.



Hold the plug with the copper connectors up and the locking clip facing down.
In this configuration, the Brown Pair of wires should be to the right side (see diagram on above)



11. For Crimping push the connector all of the way in and then squeeze down all the way on the crimper.
Remove the connector from the crimper body.

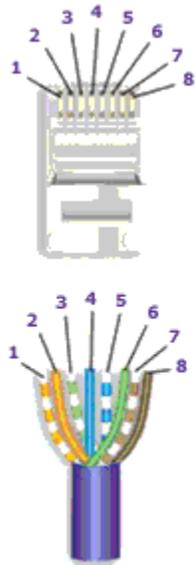


12. Slide the boots (if used) all the way up to the connector.
If necessary, use a tapping motion as shown in the illustration.

13. Repeat the procedure on the other end of the cable using the same wiring diagram. NOTE: If you wish to make a crossover cable, than use the other diagram (in this case 568-A)

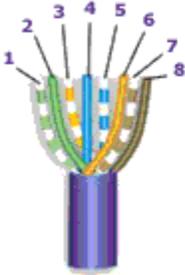
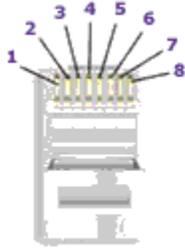


14. Test the cable using a high quality four pair tester.



568-B Wiring

Pair #	Wire	Pin #
1-White/Blue	White/Blue	5
	Blue/White	4
2-Wht./Orange	White/Orange	1
	Orange White	2
3-White/Green	White/Green	3
	Green/White	6
4-White/Brown	White/Brown	7
	Brown/White	8
< 568-B Diagram		



568-A Wiring

Pair #	Wire	Pin #
1-White/Blue	White/Blue	5
	Blue/White	4
2-White/Green	White/Green	1
	Green/White	2
3-White/Orange	White/Orange	3
	Orange/White	6
4-White/Brown	White/Brown	7
	Brown/White	8
< 568-A Diagram		

Reference : www.lanshack.com