

Creating a Network Patch Cable

Make your own custom category 5 patch cables using these simple instructions, bulk cable and connectors and the proper crimping and testing tools. You can make either straight through cables, or cross wired cables using these instructions.

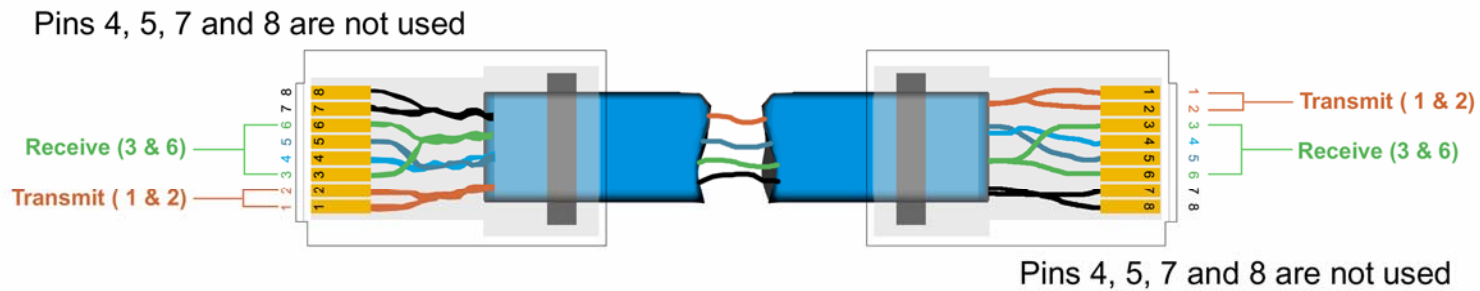
1. Strip the cable jacket back about 3/4 of an inch from the end of the cable.
2. Sort the pairs so they fit into the connector in the order shown on the diagrams on page 2.
3. Insert the pairs into the connector
4. Crimp the pins with a crimp tool.
5. Repeat for other end and test cable with a LAN tester. If you don't have a LAN tester, one test is connecting two computers or hubs together using the cable. If they can communicate to each other, then the crossover cable was put together correctly.

Important Notes:

- Use stranded wire for Category 5 patch cable.
- Make sure not to untwist the pairs any more than half an inch.

Straight-Through Patch Cable	
<i>EIA/TIA 568A Color Scheme</i>	
1	White-Green
2	Green
3	White-Orange
4	Blue
5	White-Blue
6	Orange
7	White-Brown
8	Brown

Straight Through Cat5e Ethernet Cable Schematic



Pin Number	Wire Color
Pin 1 ==>	Orange/White
Pin 2 ==>	Orange
Pin 3 ==>	Green/White
Pin 4 ==>	Blue
Pin 5 ==>	Blue/White
Pin 6 ==>	Green
Pin 7 ==>	Brown/White
Pin 8 ==>	Brown

Straight Through		
1	→	1
2	→	2
3	→	3
6	→	6

Pin Number	Wire Color
Pin 1 ==>	Orange/White
Pin 2 ==>	Orange
Pin 3 ==>	Green/White
Pin 4 ==>	Blue
Pin 5 ==>	Blue/White
Pin 6 ==>	Green
Pin 7 ==>	Brown/White
Pin 8 ==>	Brown