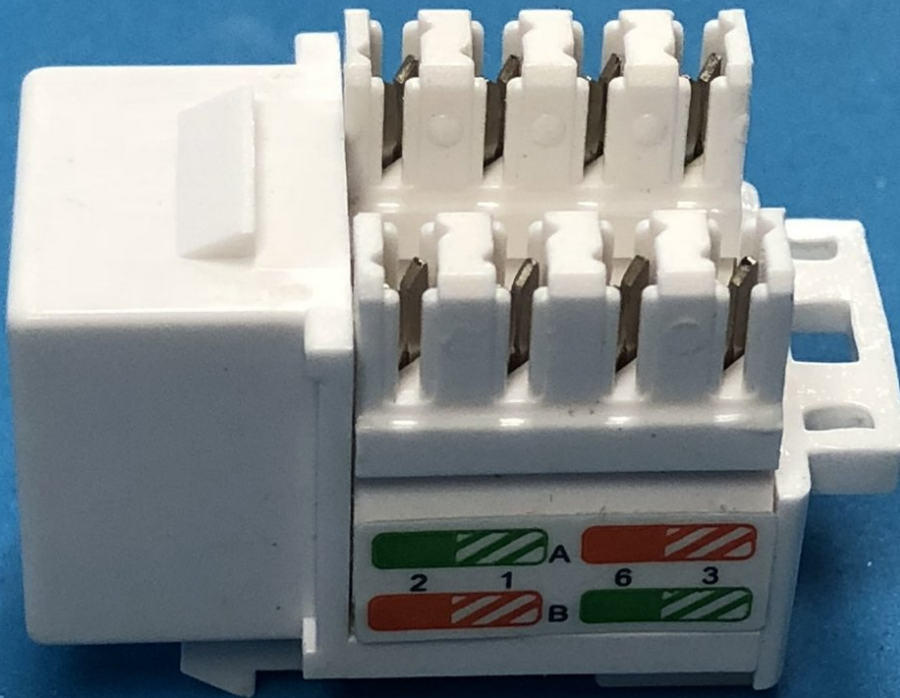




How to Wire a RJ-45 KeyStone Jack

A guide to help wire a keystone jack for use in patch panels and wall plate applications for ethernet

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INTRODUCTION

This is a simple guide to wiring a keystone jack for use in house and business applications.



TOOLS:

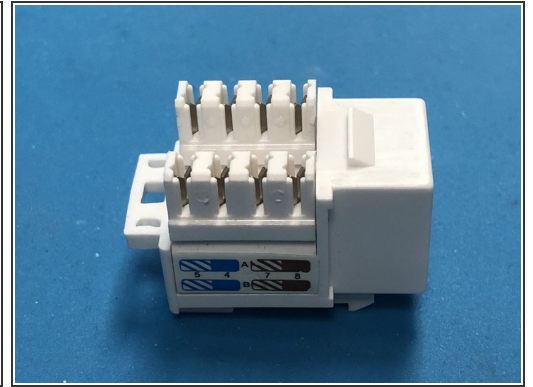
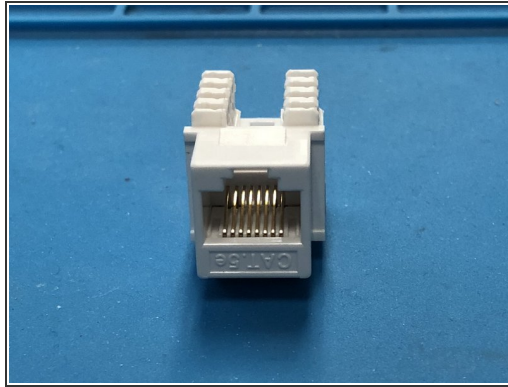
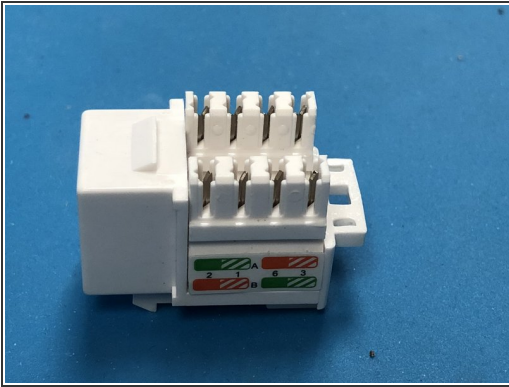
- [punchdown tool](#) (1)
 - [Wire Stripper](#) (1)
- <https://amzn.to/2LdEtQL>
- [cable tester](#) (1)



PARTS:

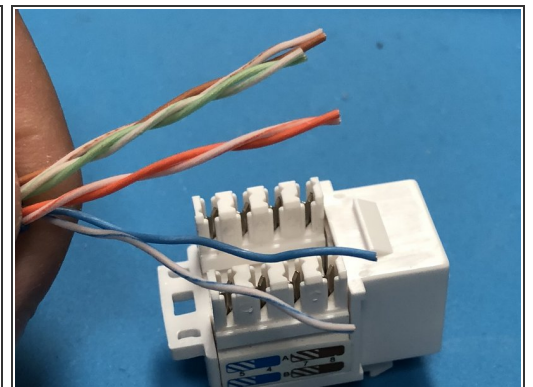
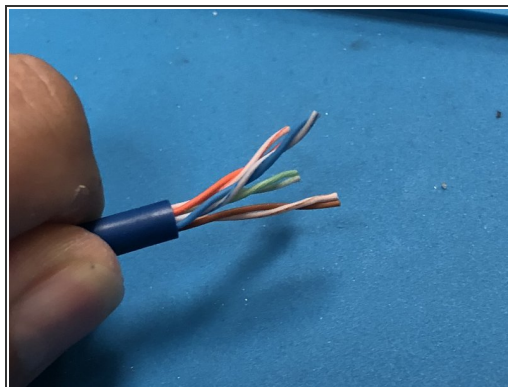
- [ethernet cable](#) (1)
- [Cat 5e keystone Jack](#) (1)
- [surface mounted box](#) (1)

Step 1 — How to Wire a RJ-45 Keystone Jack



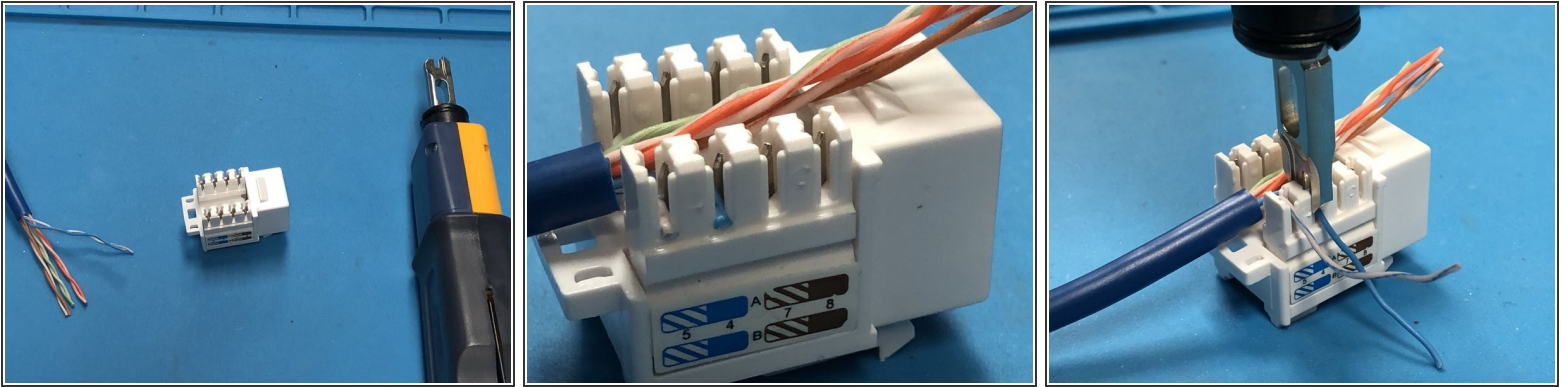
- Acquire a [Keystone Jack](#)

Step 2



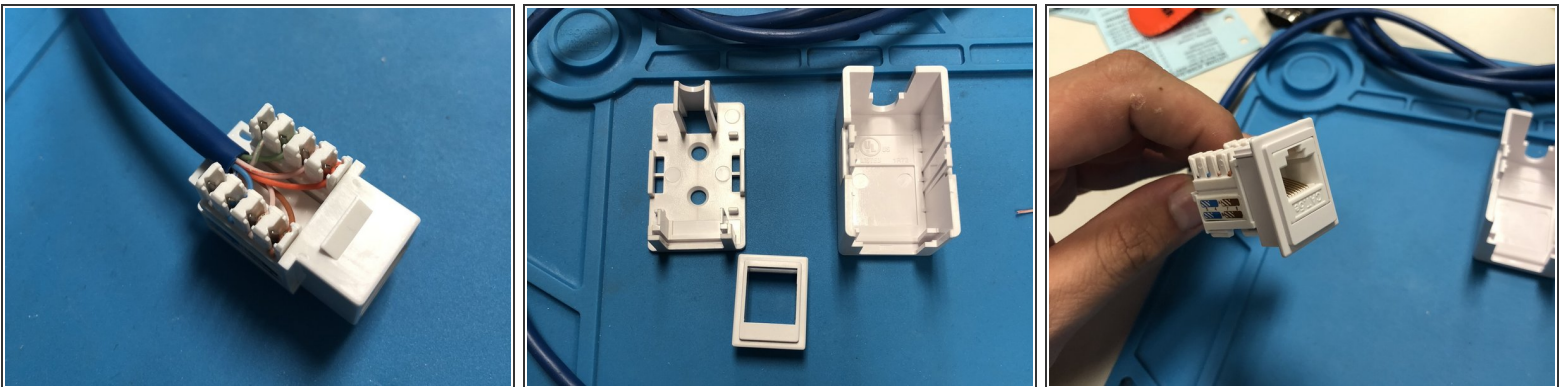
- Use your wire stripper to cut the outer sheath
- Do Not Rotate more than 3-4 times as it will cut the wires underneath.
- when the length of exposed wires are at a decent length (a little less than a thumbs length) separate the wires by color.

Step 3



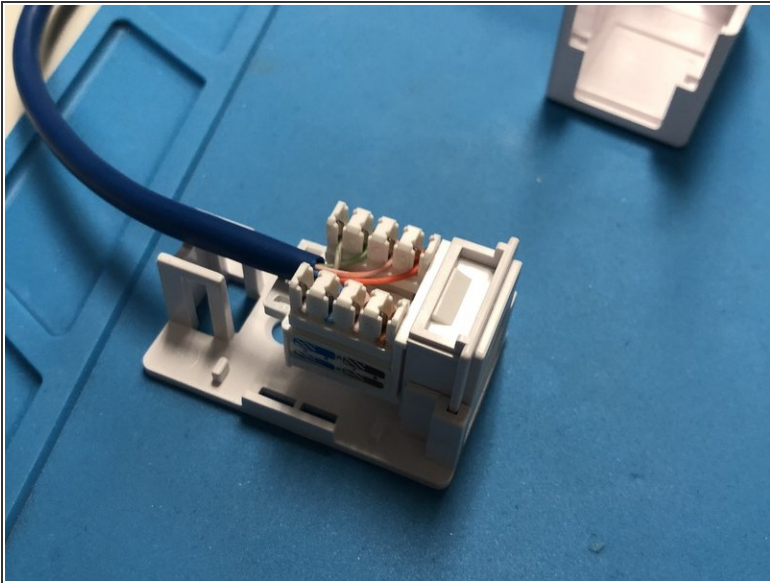
- on the keystone jack you will see colors. line the wires up to the corresponding colors (white blue - blue, white orange - orange, etc.)
- use the punchdown tool with the longer side of the blade on the outside to punch the wires in and it will cut off the excess.
- repeat for each color

Step 4



- open up your mounting box
- there should be a frame for your jack to snap into

Step 5



- place the jack into the mounting box, there should be places for zip ties to hold the cable in place
- place the cover on top and you are done with your cable!
- test the line using a cable tester.

Make Sure to test with a cable tester