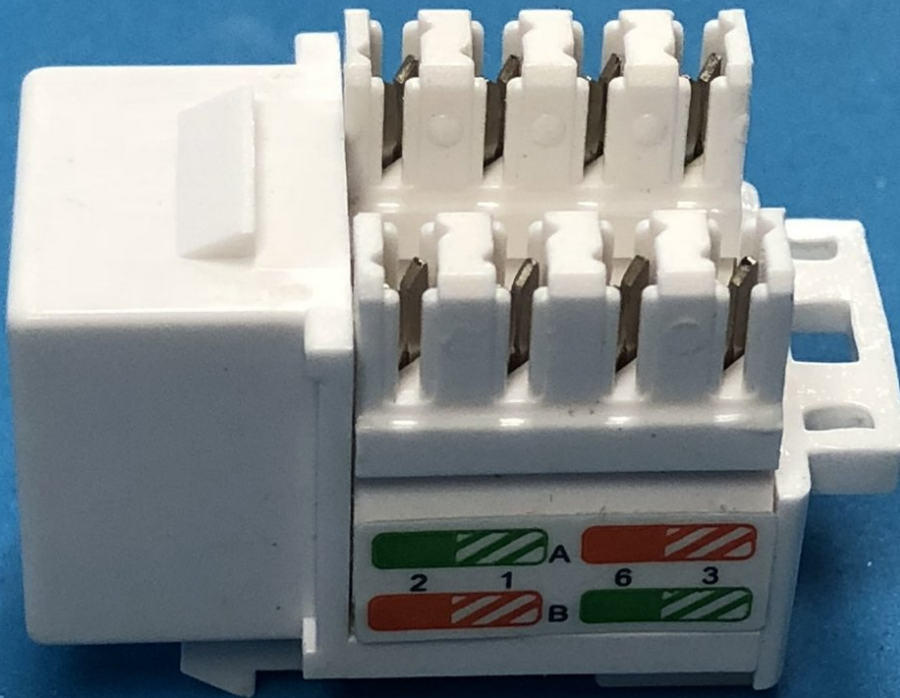# How to Wire a RJ-45 KeyStone Jack

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:

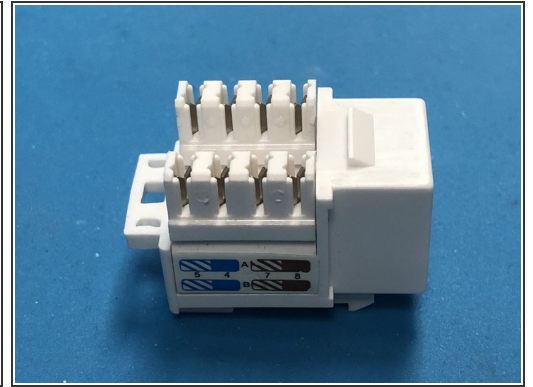- punchdown tool (1)
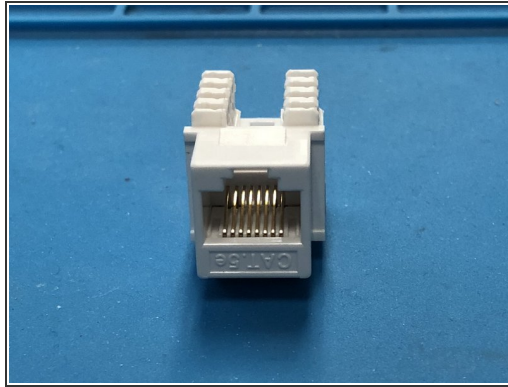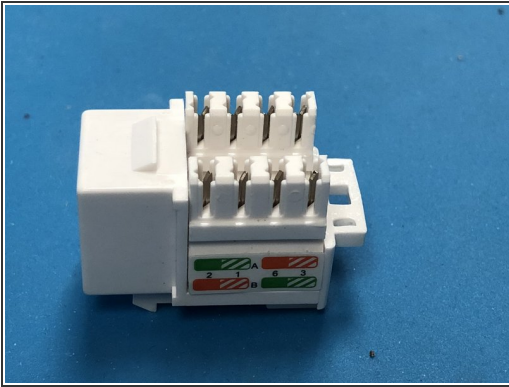- Wire Stripper (1)

https://amzn.to/2LdEtQL

- cable tester (1)
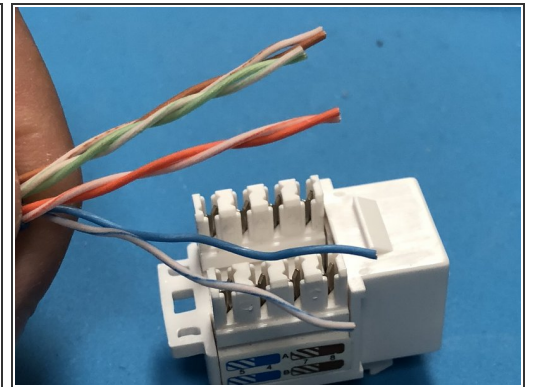
PARTS:

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

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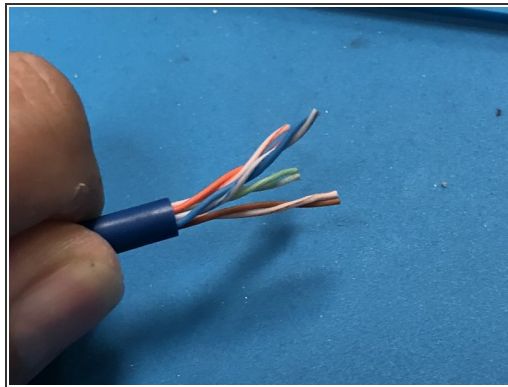
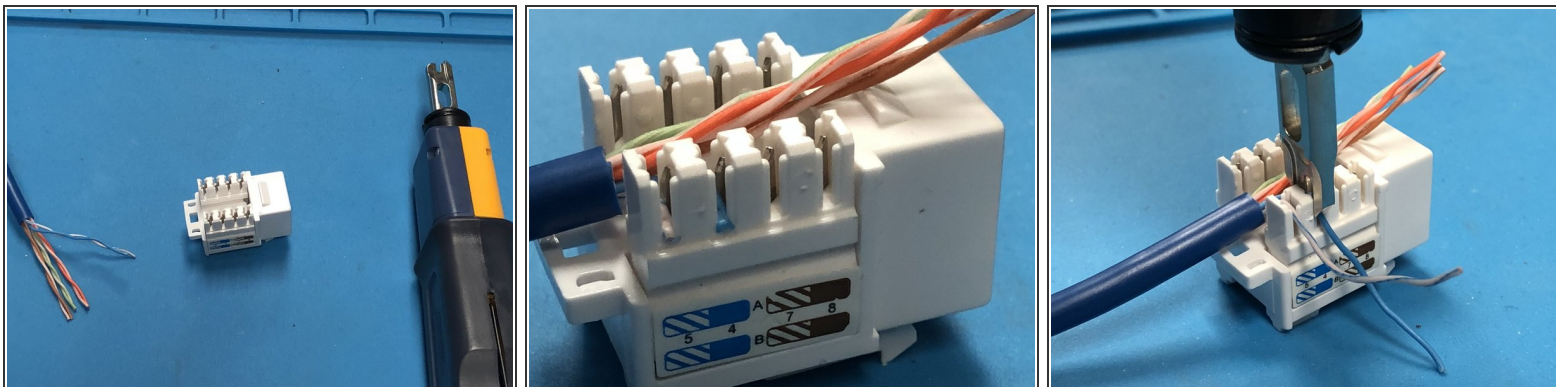## Step 1 — How to Wire a RJ-45 KeyStone Jack

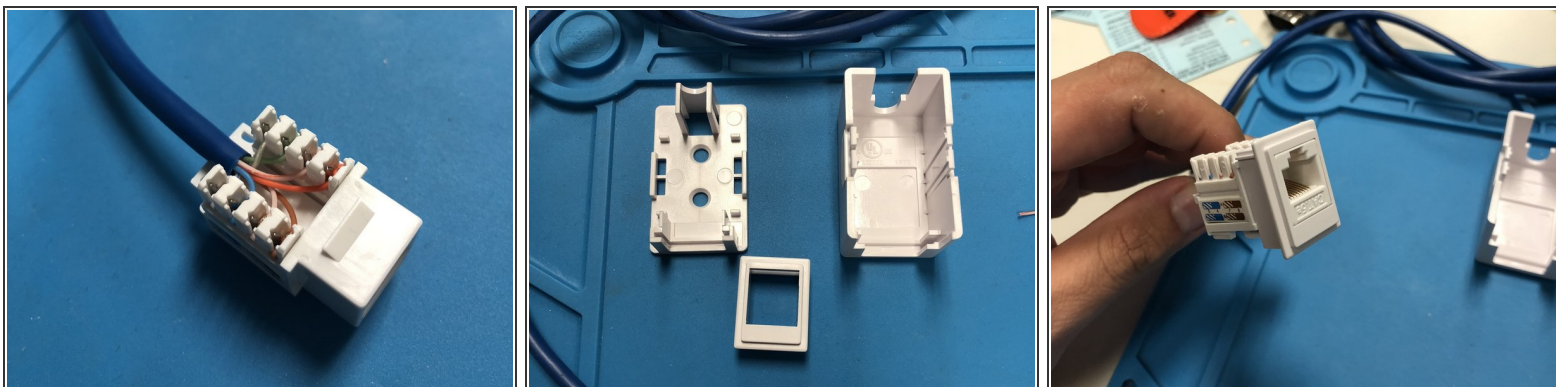- Acquire a [Keystone Jack](#)

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.
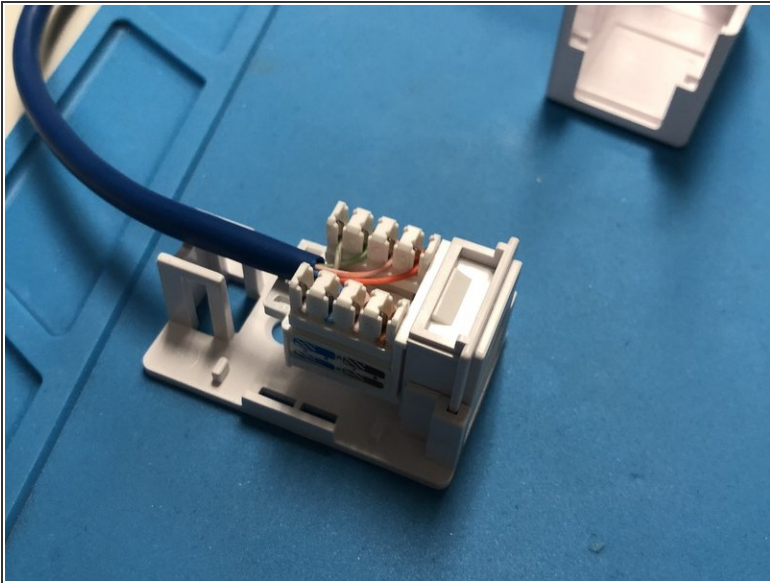
Step 3

- 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