

In-Person Lab - Create an ANSI/TIA-568A Straight-through Ethernet cable.

Introduction

Cables make the network's IP packets go around.

In this lab, you will experience working with copper twisted pair ethernet cables. You will create and test an ANSI/TIA-568A straight-through cable.

Note:

This lab refers you to external guides.

Objectives

- Create an ANSI/TIA-568A straight-through Ethernet cable.
- Test an ANSI/TIA-568A straight-through Ethernet cable.

Equipment/Requirements

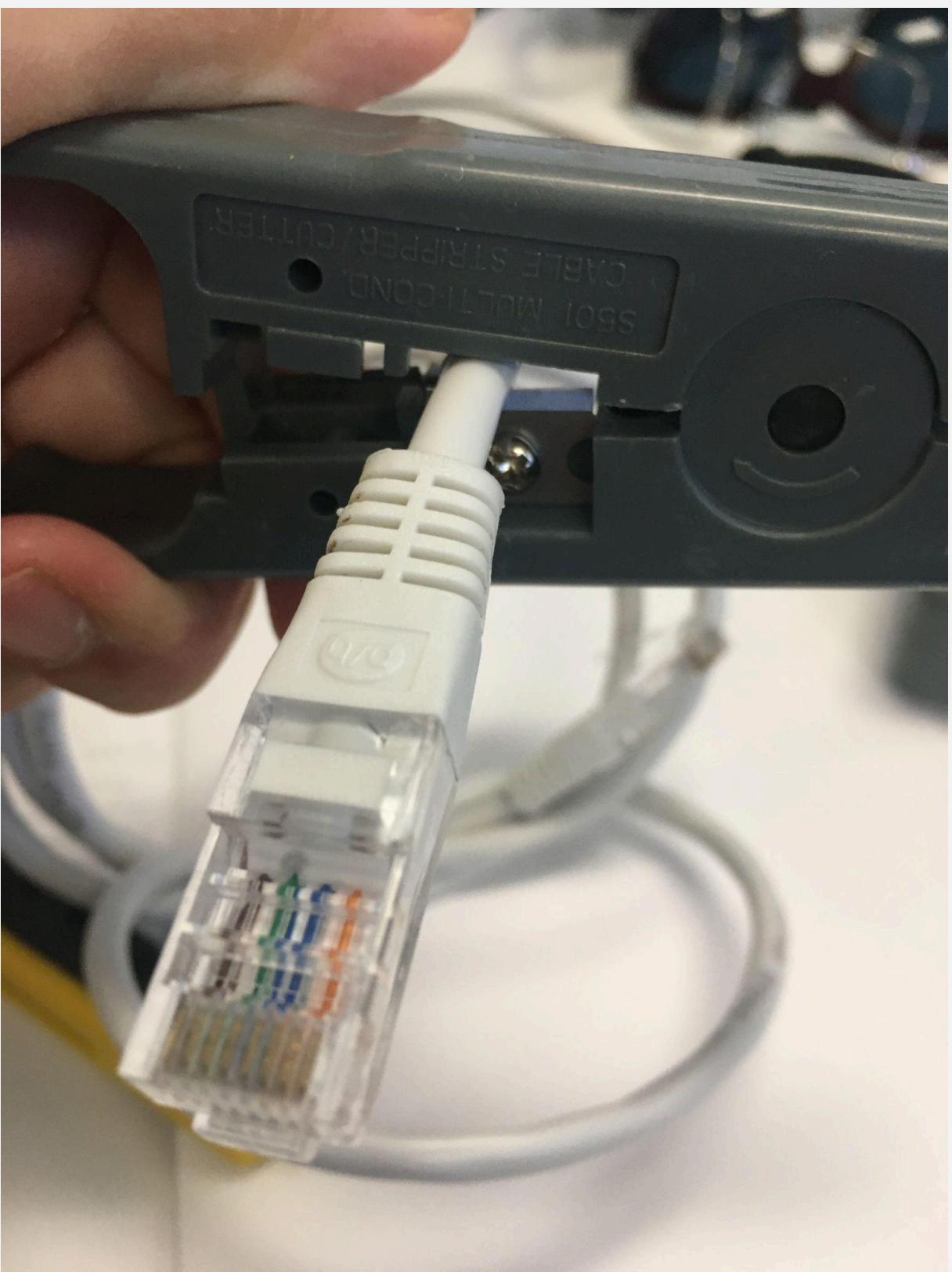
- Learner Tech Kit.
- A cellphone with a camera.

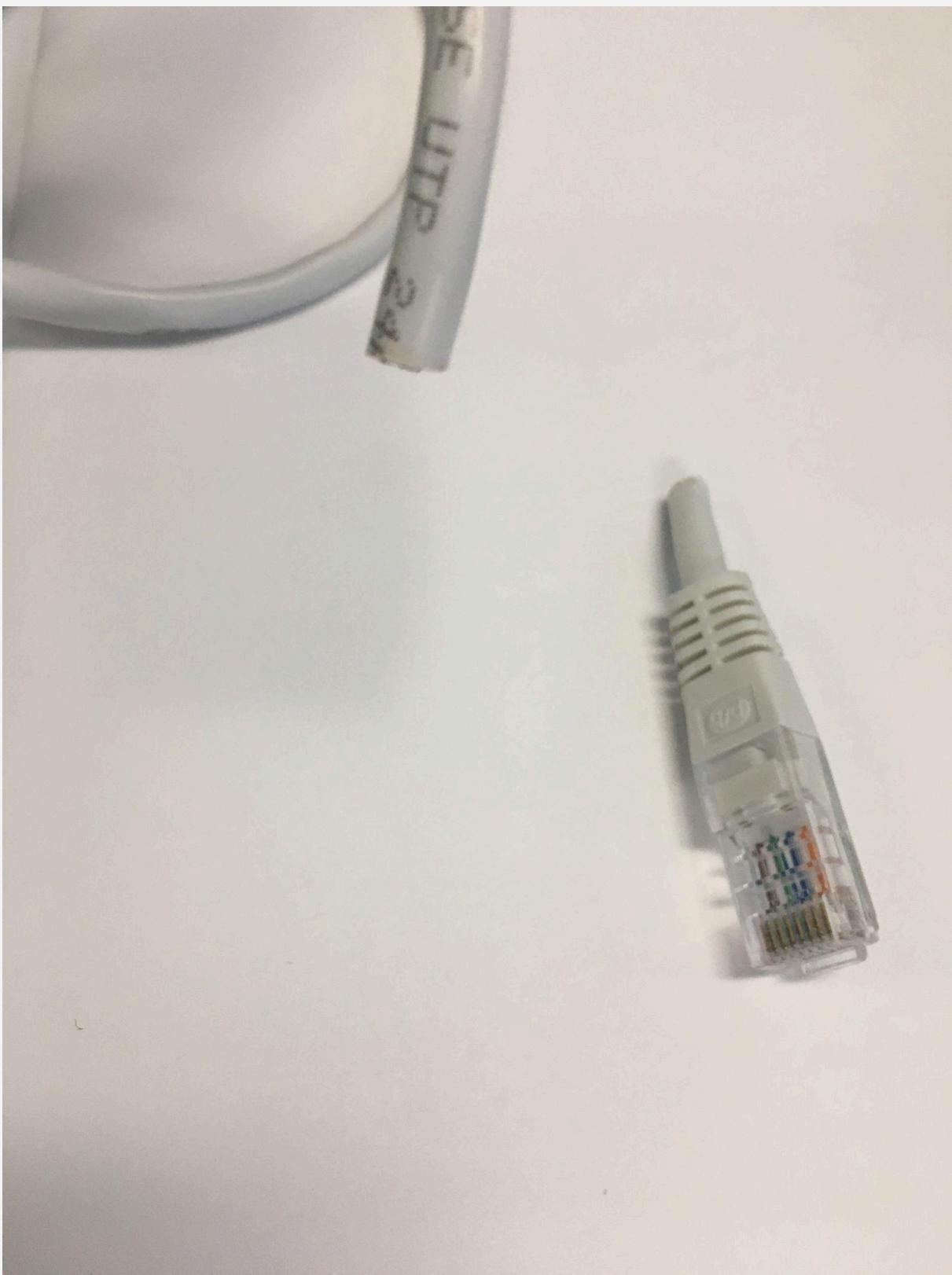
Part 1: Create and test an ANSI/TIA-568A straight-through Ethernet cable.

- a. Set up your working environment. Ensure adequate lighting and have your tools available.
- b. Use the [Make an Ethernet cable](#) document to guide you through the cable-making process.

- c. Once you have a working ANSI/TIA-568A straight-through Ethernet cable, use your smartphone to take a picture of the cable - zoom in on the connectors if possible. Place the image in the box below.

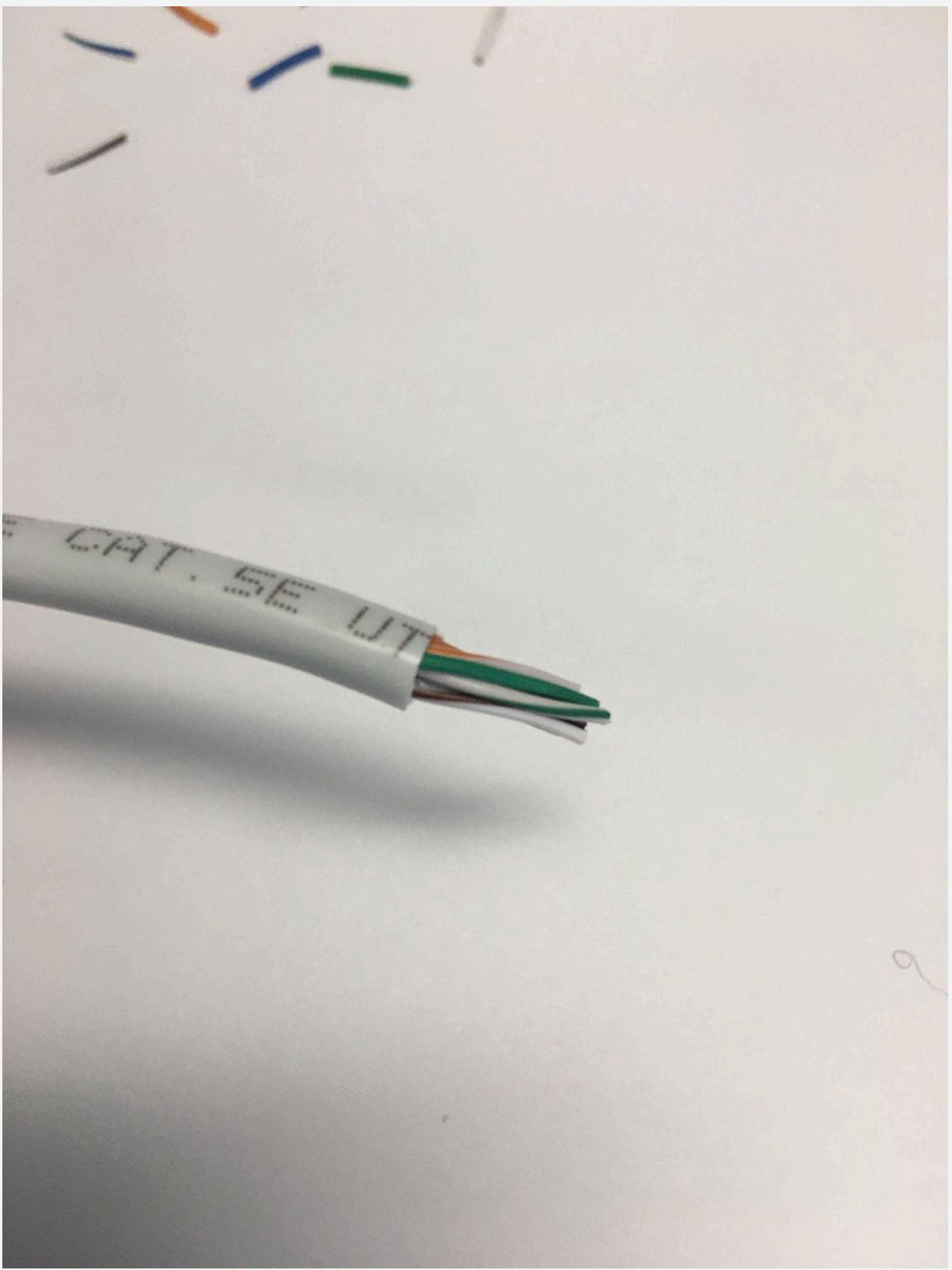
I cut the Ethernet cable on one end.





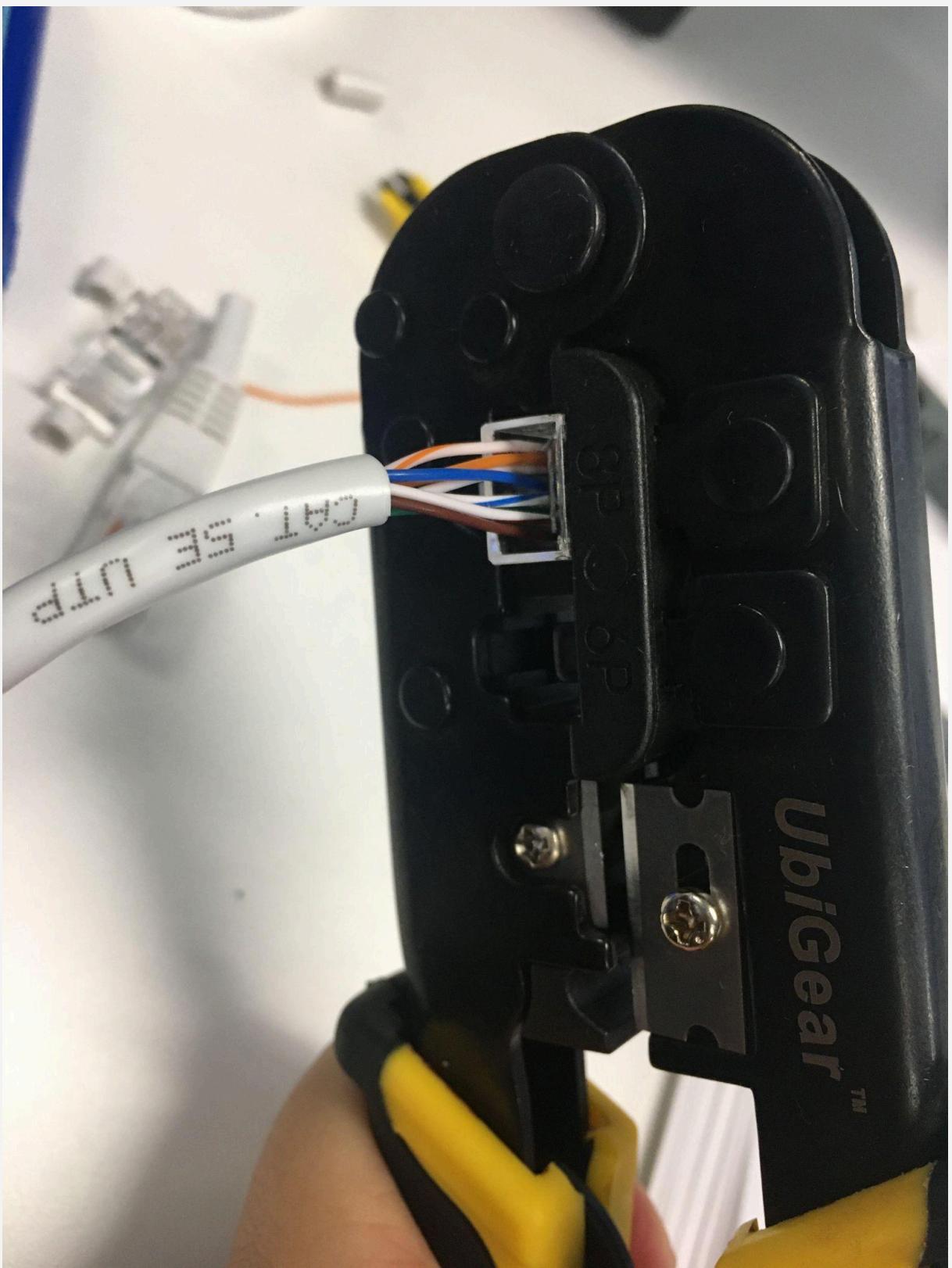
For the ANSI/TIA-568A, the wires have to be arranged as striped-green, solid-green, striped-orange, solid-blue, striped-blue, solid-orange, striped-brown, and last solid-brown.







Then I threaded the arranged wires, crimped them, and finally tested the cable.





Part 2: Clear the workbench.

We hope you enjoyed this lab. The time to clean up has come.

- a. *Gather all of the tools and personal belongings.*
- b. *Ensure that your work area is tidy and clean.*