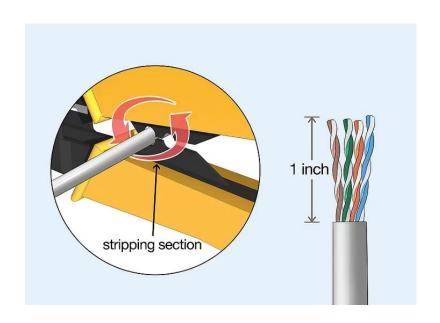
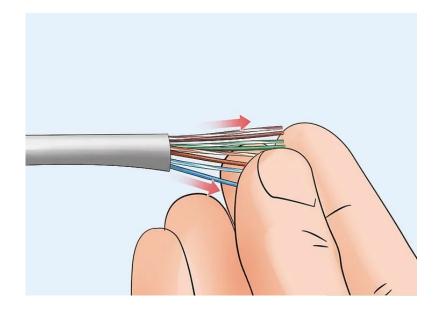
LAB 01 Ethernet

Jennessa Sierra & Andres Hung CMPS1192 Networking Fundamentals August 29, 2024

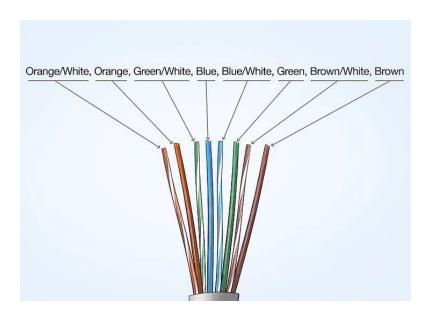
1. Strip Cable:



2. Untwist & Straighten Wires:



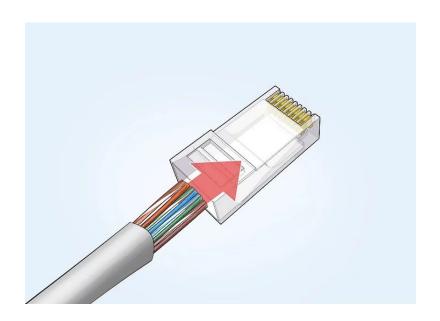
3. Arrange Wires:



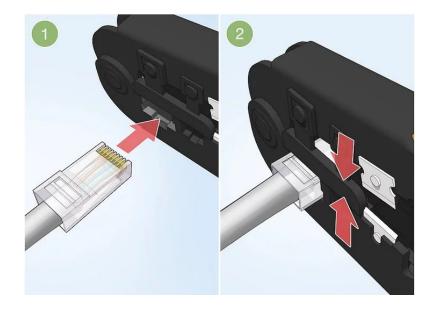
4. Cut Wires:



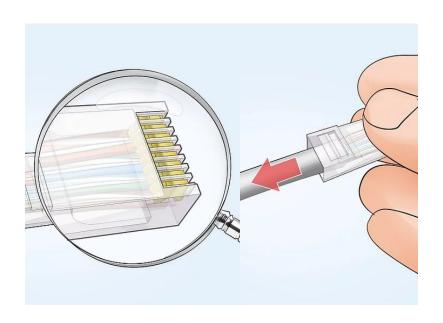
5. Insert Wires:



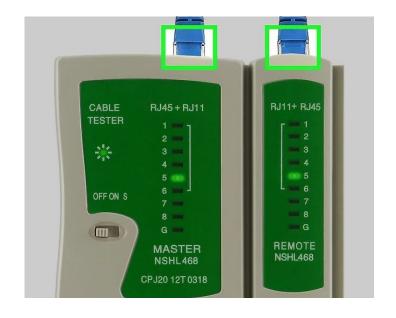
6. Crimp RJ45:



7. Inspect Cable:



8. Test Cable:



Experience

Easiest Part:

- Obtaining materials
- Cutting the cables/wires



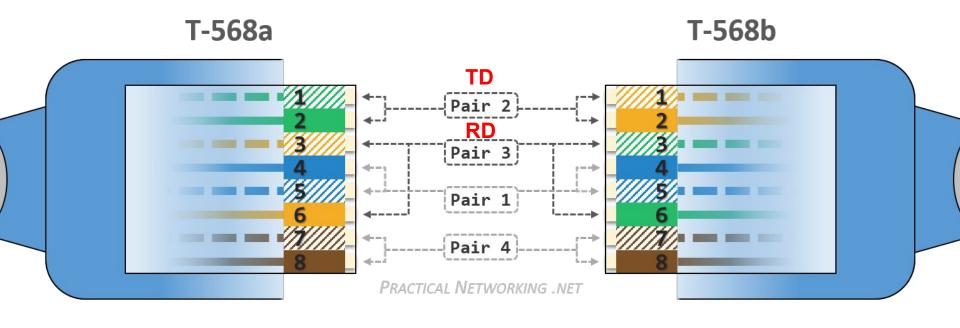


Hardest Part:

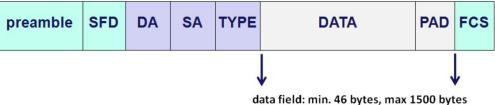
- Straightening wires
- Faulty equipment

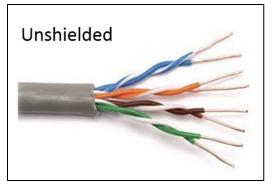


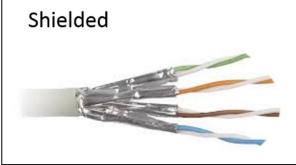


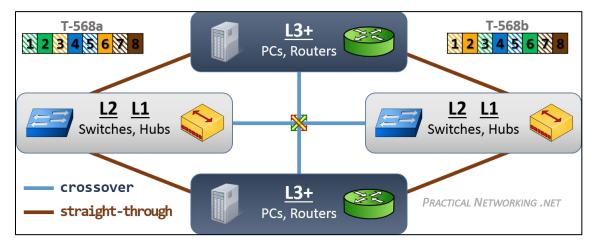


Ethernet Wiring (100Base-TX or Fast Ethernet)









Coax

- 10Base 2
- 10Base 5

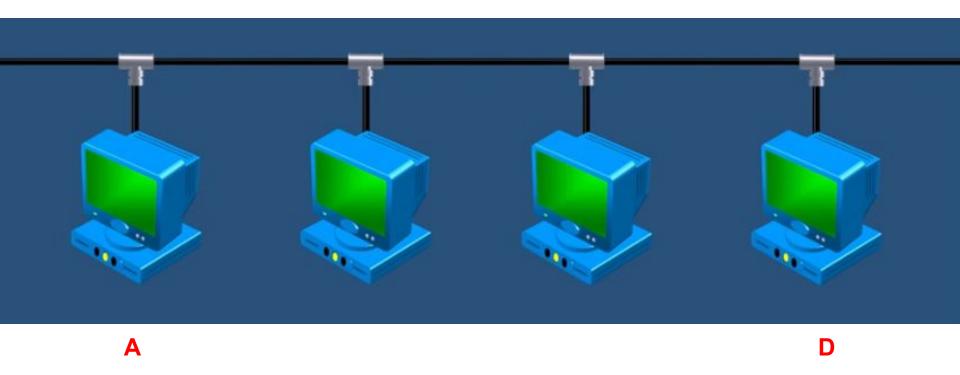
Twisted-Pair

- 10Base T
- 100Base TX
- 1000Base T

Fiber

- 1000Base SX (multimode)
- 1000Base LX (singlemode)

Ethernet Cable Types



Carrier Sense Multiple Access with Collision Detection (CSMA/CD)