

Cables

Learning Objectives

Upon completion of this lab, you will be able to:

- Correctly identify cables for use in the network.

Cables and more Cables

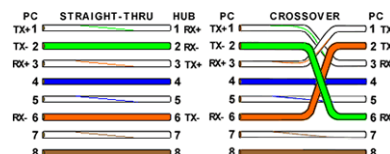
At the Physical layer (Layer 1) of the OSI model, end devices must be connected by media (cables). The type of media required depends on the type of device being connected. In the lab, you'll find three different types of cables:

Straight-through Cables:

Straight through cable has connectors in each end that are terminated the same in accordance with either the T568A or T568B standards.

Use a straight-through cable for the following connections:

- Switch to router Ethernet port
- Computer to switch
- Computer to hub



Crossover cable:

Directly connects two network devices of the same type to each other over Ethernet. In T108 all the crossover cables are yellow.

Use a crossover cable for the following connections:

- Switch to Switch
- Switch to hub
- Hub to hub
- Router to router Ethernet port

Console Cables:

Connects a computer to a Cisco device via the console port. Our rollover cables have DB9 connector at one end and a RJ45 connector in the other end.

Use a console cable for the following connections:

- Computer to a switch console port
- Computer to a router console port



In T108 and T113, the console cable is already attached to the computer it is plugged in the GREEN connector. You would then cable from the patch panel into the console port of the switch/router with a straight through cable.