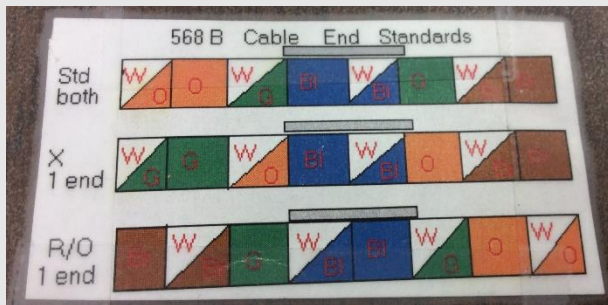# RJ45 Cable Making / Testing

RJ45 Crimpable Connectors for CAT 5e or 6

**Ethernet Cable -
Category 5e
Category 6**

**RJ-45 Crimping Tool
Cable Cutter
Cable Tester**

There are a few types of Ethernet cables:
Straight Through – used for almost all purposes

Crossover – directly connect like devices to each other.

Rollover/Yost cables – connecting to a device's console port to make programming changes.

Here is how to make a standard straight through cable.

1. Obtain category 5e or category 6 cable.
2. Cut into the plastic sheath about 1 inch (2.5 cm) from the end of the cut cable. The crimping tool has a razor blade that will do the trick with practice.
3. Unwind and pair the similar colors to the type of cable you are creating. (See above)
4. Pinch the wires between your fingers and straighten them out. Make sure the color order is correct.
5. Use scissors to make a straight cut across the 8 wires to shorten the colored pairs to ½ inch from the blue sleeve.
6. Carefully push all 8 unstripped colored wires into the connector. Note the position of the blue plastic sleeve. Also, note how the wires go all the way to the end.
7. Carefully place the connector into the Ethernet Crimper and cinch down on the handles tightly. The copper splicing tabs on the connector will pierce into each of the eight wires.
8. For a standard "Straight Through" cable, repeat all steps and wire color order on the other end of cable. For a cross-over cable, the other end will have a different color
9. Make sure to test the cables before installing them. An inexpensive Ethernet cable tester does this quite well for a straight through cable.