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| *2023* |
| LAB 11 |
| Tyler Burleson |
| 4/4/2023 |
| Mr. loveday – PC Setup and Maintenance |
| East Tennessee State University |

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Purpose:

The purpose of this lab was to create and terminate a network RJ45 cable.

Materials:

* Network cat 6 cable
* Keystone Plug
* Wire cutter
* Crimping tool
* Lab machine

Procedures and Results:

We started our lab by analyzing our section and ensuring we had all our necessary materials. These included: the Network cat6 cable, Keystone plug, wire cutters, crimping tool, and our lab machine. After going through our check list, we were ready to start creating our RJ-45 cable.

We started by taking an appropriate length of cat 6 cable. This was going to be the cable we were terminating into an RJ-45. We took the wire cutters and took the sheathing off of our twisted pairs a couple inches to have proper working space. From there we uncoiled the twisted pairs and separated them by color. Now we could straighten the cords to make it easier to line them up in the proper order. Once they were in the proper order we carefully pushed them into the keystone plug as far as we could and ensured our cables were in the right order. Once we confirmed them in the correct order we used our crimping tool to clamp the keystone plug around our cable. Once we heard the snap that it was complete, we trimmed off the excess wires. Now our RJ-45 cable was complete and could be plugged into the Keystone jack.

Data or Observations:

* I struggled having the cables in the correct order since I am color blind.