

12/8/24

EX-NO: 26

## Make your own Ethernet cross-over cable Straight cable

### Tools/parts required

- \* Ethernet cabling : CAT 5e is certified for gigabit support, but CAT 5 cabling works as well, just over shorter distance.

- \* Two RJ45 plugs

- \* optional two plugs shields

### Steps:

Step 1: To start construction of the device, begin by threading shield onto the cable.

Step 2: Next Strip approximately 1.5cm of cable shielding from both ends. The crimping tool has a round area to complete the task.

Step 3: After, you will need to untangle the wire, there should be four "twisted pairs". Referencing back to the sheet, arrange them from top to bottom. one end should be in arrangement A and other in B

#### Step 4:

Once the order is correct, bunch them together in a line, and if there are that stick out further than others, snap them back to create an even level. The different aspect is planning there into RJ45 plug without messing up the order. do so hold the plug with the side facing away from you and have the pins point forwards you as shown.

#### Step 5:

Next, push the cable right in. The notch at the end of the plug need to be just over the cable sheathing and insert the means that you stripped off too much sheathing, simply strip the cables back a little more.

#### Step 6:

After the wires are securely sitting inside the plug insert into the crimping tool and push down.

#### Step 7:

Lastly, repeat for the other end using diagrams (to make a crossover cable) using diagram A.