IP Camera Harness Repair

If your connector looks like the ones below, moisture has gotten into your RJ45 connector. The number one cause of premature IP camera failure has to do with improper weatherproofing techniques. If caught early enough a simple cotton swab and rubbing alcohol will clean that connector right up! You may need to resort to some heavier duty electrical contact cleaner if the cotton swab method does not work.

If all else fails and the connector is too far gone and cleaning it will not work, you will need to perform a harness repair.

In order to perform the repair you will need:

1 x RJ45 Crimp Tool   1 x Male RJ45   1 x Female to Female RJ45 Connector

1 x Your choice of weatherproofing (Weatherproof junction box or weatherproof Female to Female connection)
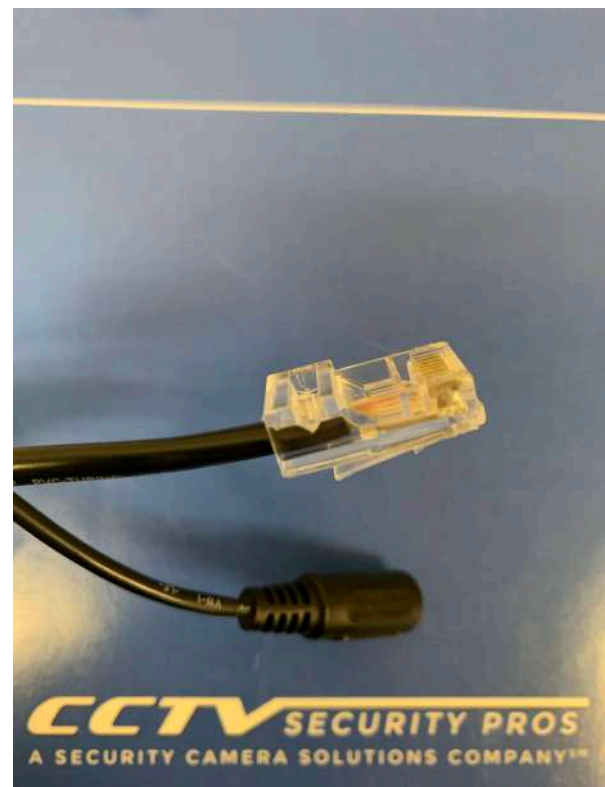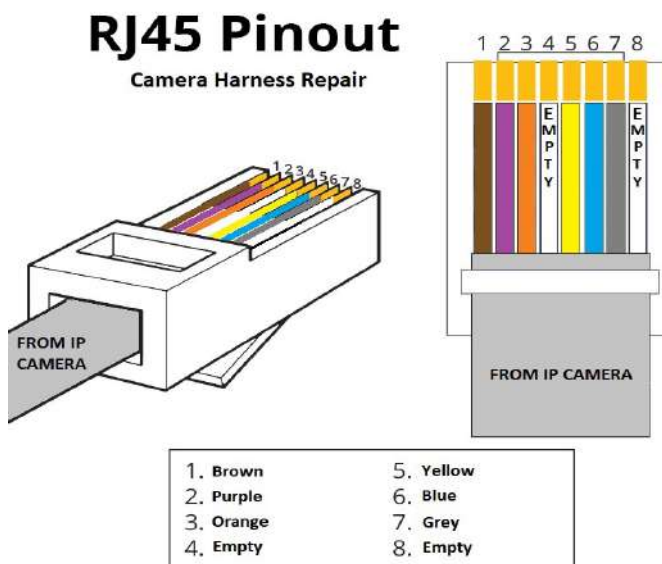
Start by removing the RJ45 end off of your IP cameras harness. Be sure

Strip back the outside insulation to expose the internal cables.

Organize the cables to match the pinout of the IP camera. Slide the organized cables into the connector and crimp. All CCTV Security Pros IP cameras will use this pinout.

RJ45 Pinout
Camera Harness Repair

1 2 3 4 5 6 7 8

FROM IP CAMERA

FROM IP CAMERA

1. Brown	5. Yellow
2. Purple	6. Blue
3. Orange	7. Grey
4. Empty	8. Empty

Connect your Female to Female RJ45 connector to check your work, you should have a functioning IP camera now that its void of all corrision.

Now that the IP camera has been repaired we still need to weatherproof this connection. It is now more vulnerable than ever! Consider using a weatherproof junction box to make your connections in, or perhaps a weatherproof Female to Female connector.

Remember that different coupling styles exist so make sure that you are informed about how to use the coupler before you start crimping wires.