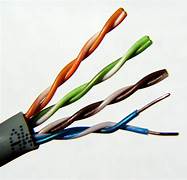
**Lab Practical #03:**

Study of different types of network cables & connectors and crimping a LAN.

**Practical Assignment #03:**

1. List various networks cable. Also, write short description.
2. Difference between guided and unguided media.
3. Give cross-wired cable and straight through cable diagram (Color Code wise).

## List various networks cable and connectors. Also, write short description.

1. **Network Cable Name: Twisted Pair Cable:**
   * **Description**:
   * It is a physical media made up of a pair of cables twisted with each other.
   * It is cheap as compared to other transmission media.
   * Installation of the cable is easy and it is a lightweight cable.
   * The frequency range for cable is from 0 to 3.5KHz.
   * It consists of two insulated copper wire arranged in regular spiral pattern.
   * The degree of reduction in noise interference is determined by the number of turns per foot.
   * Increasing the number of turns per foot decreases noise interference.
   * Separately insulated.
   * It is widely used in different kinds of data and voice infrastructure.
   * The use of two wires twisted together helps to reduce crosstalk and electromagnetic induction.
   * **Diagram**:
2. …
3. …
4. **Difference between guided and unguided media.**

## Give cross-wired cable and straight through cable diagram (Color Code wise).

1. Cross-wired Cable Diagram (Color Code)

**----- Image / Diagram Only -----**

1. Straight Through Cable Diagram (Color Code)

**----- Image / Diagram Only -----**