

## BASIC ELECTRICAL TOOLS, EQUIPMENT, AND THEIR USES

### Pliers

Pliers are available in different types, shape, and sizes. They are also available in both insulated and uninsulated handles. An insulated handle should be used when working on or near hot wires. It is also used for cutting big and small wires.



### Screw Drivers

A screwdriver comes in various sizes and with several tip shapes. Screwdrivers used by electricians should have insulated handles. Using a screwdriver for a particular job, the width of the screwdriver tip should match the width of the screw slot.



## Drilling Equipment

Drilling equipment is needed to make holes in building structure passages of conduits and wires.



## Sawing and Cutting Tools

Saws commonly used by electricians include the crosscut, keyhole, and hacksaw.



## Soldering Equipment

In doing electric wiring, splices and taps (connections made to wire) should be soldered, unless you use solderless connectors. Typical equipments available for soldering are shown below.



## Hammers

Hammers are used with chisels and for nailing and fitting. Below are examples of carpenter's claw hammer, lineman's hammer, and machinist's ball-peen hammer.



## Measuring Tools

To measure wire length and other items, the electrician finds considerable use for measuring tools such as the extension or zigzag rule, push-pull rule and a steel tape as shown below.

