ELECTIRCAL TOOLS AND EQUIPMENT

Every electrician needs basic hand tools to perform everyday tasks, Fortunately, today's basics are better than older models, providing more comfort and safety than their predecessors. Manufacturers have made tools more 'ergonomically correct,' and improved designs help cut down on hand and wrist injuries often caused by repetitive movement. Plus, they make it easier to perform the same motion over and over because the tools just feel more comfortable. While today's designs may provide more safety and comfort, they're still the basic hand tools electricians have been using for years.

TOOLS	USES
SCREWDRIVERS	
Standard/Flat Screwdriver	Blade tip is wedge- shaped and resembles a negative (-) sign. This is used to drive screws with a single slot ahead

Phillips Screwdriver



Has a cross tip
resembling a
positive (+) sign.
This is used to drive
screws with cross
slot heads.

Stubby Screwdriver



Comes in either
Standard or Philips
screwdriver with
short shank or blade
and a shorted
handle used to turn
screws in tight space
where standard
screwdriver cannot
be used.

Allen Screwdriver



shape of a screwdriver or a wrench. Its function is to drive screw with hexagonal slot head.

Could be in the

HAMMERS





A hammer with one side of the head split and curved, used for extracting nails.

Mallet (rubber head)



often made of rubber or sometimes wood, that is smaller than a maul or beetle, and usually has a relatively large head.

A kind of hammer,

Ballpeen Hammer



A hammer with a rounded end opposite the face, a type of peening hammer used in metalworking.

PLIERS

Combination Pliers (Lineman's Pliers)



gripping, holding, and cutting electrical wires and cables and even small nails. They are usually used by linemen in doing heavy tasks.

This is used for

Side Cutting Pliers



Type of pliers is used for cutting fine, medium and big wires and cables.

Long Nose Pliers



holding fine wires.
This can reach tight space or small opening where other pliers cannot reach and used in making terminal loops of copper wires.

Used for cutting and

OTHER HAND TOOLS



A tool used for removing insulation of medium sized wires ranging from gauge #10 to gauge #16.



Used by linemen to remove insulation of wire and cables in low and high voltage transmission lines.



A small drilling machine with a chuck capacity of ¼ ll to 3/8 ll. It is used in making holes on metal sheets and concrete walls.

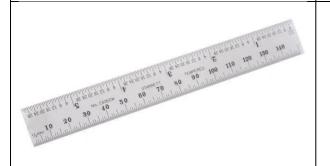


Tool is used to cut metal conduit and armored cable.

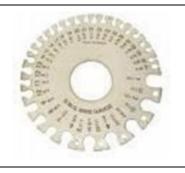
MEASURING TOOLS



Pule-push rule is a measuring tool used in measuring long distance length.



Rule – measuring tool used in measuring short distances length.



Measuring tool used in measuring gauge of wire.



Micro caliper- used in measuring diameter, thickness and lengths of solid bodies.



Clamp ammeterused in measuring current. Probes measure voltage. It allows technicians to clamp the jaws around a wire, cable or other conductor at any point in an electrical system.



Multimeter – used in measuring the voltage, current and resistance.