

# Extension Cord types & uses

## Vocab :

1. Cords ***break away*** or ***tear away*** from something they attached to .
2. Cords have certain stretching resistance or ***tensile strength*** .
3. Cords also have some degree of ***puncture resistance***
4. If cords are too stiff ( ex. due to exposure to low temperatures) and they don't ***lie flat*** they create a ***tripping hazard*** .

1. Power Strip , Power Bar
2. Surge Protector , Power Strip Surge Protector
3. Extension Cord ( one plug & one outlet )
4. Outlet Extension Cord ( a plug with multiple outlets on the other end )

## Note!

Extension cords are used to connect devices placed far from each other  
Power strips are intended to add additional outlets from a single source .

## Note!

Power strips with a surge protection device are called ***surge protectors***

## Extension Cords are :

1. Light-Duty
2. Medium-Duty
3. Heavy-Duty

## Designation lettering :

- An "S" cord is flexible and designed for general use.
- A "W" cord is rated for outdoor use
- A "J" cord has a standard 300-volt insulation. If there is no J in the designation, the cord has thicker, 600-volt insulation, designed for heavier use.

- A "P" cord has a parallel wire construction, used in air conditioner cords and household extension cords
- An "T" cord jacket is made from vinyl thermoplastic
- An "E" cord jacket is made from thermoplastic elastomer rubber (TPE)
- An "O" cord is oil-resistant.
- An "FT2" cord is flame retardant.
- A "CL2S" wire is designed for in-wall construction.
- An "SRDT" wire is heavy duty and good for high amperage products.
- An "HPN" the cord's performance won't be affected by the high temperatures associated with appliances.

Extension Cord.jpeg

Extension Cord\_1.jpeg

Extension Cord\_2.jpeg

Extension cord

Extension Cord\_3.jpeg

Outlet Extension cord , Power Strip ( without surge protection )

Extension Cord\_4.jpeg

Power Strip

Extension Cord\_5.jpeg

Surge Protector Outlet , Surge Protector Strip etc.

Basically an outlet extension with a surge protection device

Extension Cord\_6.jpeg

Light-Duty Extension Cord



Medium-Duty Power Strip



Heavy-Duty Power Strip

