

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

