



ANDERSON COUNTY
EXTENSION CORD USE AND SAFETY
WHITE PAPER

Using extension cords properly is critical to your safety. With continuous use over time, an extension cord can rapidly deteriorate, creating a potentially dangerous electric shock or fire hazard. Extension cords can be very helpful in delivering power right where we need it. However, regardless of the gauge or rating of the cord, an extension cord is a temporary solution, and is not meant to be used as a long-term extension of your electrical system.

The Electrical Safety Foundation International (ESFI) offers the following tips for staying safe from electric shock and electrical fires:

- Do not overload extension cords or allow them to run through water or snow on the ground.
- Do not substitute extension cords for permanent wiring.
- Do not run through walls, doorways, ceilings or floors. If cord is covered, heat cannot escape, which may result in a fire hazard.
- Do not use an extension cord for more than one appliance.
- A heavy reliance on extension cords is an indication that you have too few outlets to address your needs. Have additional outlets installed where you need them.
- Multiple plug outlets must be plugged directly into mounted electrical receptacles; they cannot be chained together.
- Make sure the extension cord or temporary power strip you use is rated for the products to be plugged in, and is marked for either indoor or outdoor use.
- The appliance or tool that you are using the cord with will have a wattage rating on it. Match this up with your extension cord, and do not use a cord that has a lower rating.
- Never use a cord that feels hot or is damaged in any way. Touching even a single exposed strand can give you an electric shock or burn.
- Never use three-prong plugs with outlets that only have two slots for the plug. Do not cut off the ground pin to force a fit. This defeats the purpose of a three-prong plug and could lead to an electrical shock. Never force a plug into an outlet if it doesn't fit.
- Use extension cords with polarized and/or three-prong plugs.

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