

Electrical Wiring Methods

29 CFR 1910.305

Electricity Gives No Warning

Temporary electrical setups still require permanent safety practices.



Ideas for the Talk

- Damaged extension cords used for powering tools.
- Missing covers on junction boxes.
- Improper use of temporary lighting or power strips.



Explanation of the Dangers of Violations

- Electrical wiring violations can lead to shock, electrocution, burns, arc flashes, and fires.
- Short-term outcomes include severe burns or death.
- Long-term impacts may include permanent nerve damage or jobsite fires that cause major losses.



Demonstration Tips

- Identify damaged cords and missing strain reliefs.
- Demonstrate proper GFCI use in damp locations.



Key Talking Points

- All wiring must be protected, covered, and properly installed.
- Extension cords are temporary—not permanent wiring.
- GFCIs are required on construction sites.



Engagement Questions

- Where do electrical hazards usually show up on our jobsites?
- Why is moisture such a serious electrical risk?
- Who is allowed to repair electrical issues?



Closing Questions

- What electrical hazards will you watch for today?
- Who do you report damaged cords to?
- Will you shut down unsafe power use immediately?

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