National fire statistics from the U.S. Consumer Products Safety Commission show that more than 40,000 fires are caused each year by problems with home electrical wiring. For the past 10 years, electrical wiring systems have been the leading cause of fire deaths involving electrical equipment, claiming an average of nearly 350 lives each year. These deaths and fires cost society over $2 billion annually.

Warranty & service:

- Lifetime warranty on all Type CH circuit breakers
- 10-year warranty on all Type BR circuit breakers
- Expert technical support available 24 hours a day

Ordering information:

- Contact your local Eaton representative today for more information on Eaton's combination type arc fault circuit interrupters, or visit Eaton.com

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Eaton
1000 Eaton Boulevard
Cleveland, OH 44122
United States
Eaton.com

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EATON
Powering Business Worldwide

Combination arc fault circuit interrupters

Reduce the risk of home fires

EATON
Powering Business Worldwide

The need for arc fault circuit interrupters

Eaton's combination arc fault circuit interrupters

Continuously monitor installed electrical wiring, connected appliances and extension cords for arcing conditions, mitigating a potential fire.

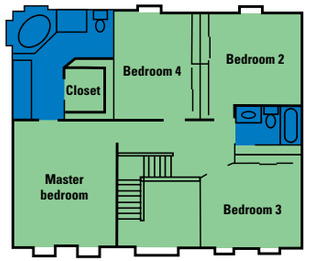
Arcing creates high-intensity heating at the point of the arc, resulting in burning particles that may, over time, ignite surrounding material such as wood framing or insulation.

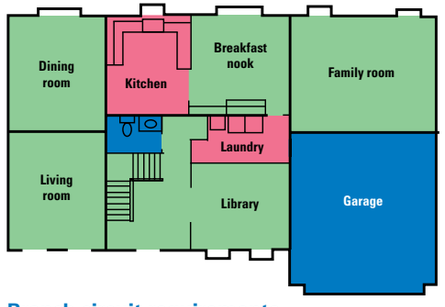
Because there are other causes of fire, you still need to rely on smoke detectors and fire extinguishers.

Per the 2014 National Electrical Code®, AFCI protection is required on all 15 A and 20 A circuits supplying outlets or devices installed in:

- Kitchens
- Family rooms
- Dining rooms
- Living rooms
- Parlors
- Libraries
- Dens
- Bedrooms
- Sunrooms
- Recreation rooms
- Closets
- Hallways
- Laundry areas

and similar rooms or areas





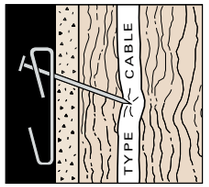
Branch circuit requirements per the 2014 NEC®

Green - AFCI protection
Blue - GFCI protection
Pink - AFCI & GFCI protection

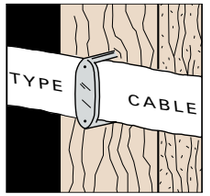
Contact your local electrical code enforcement agency to understand the current requirement for your area.

Possible causes of arc faults

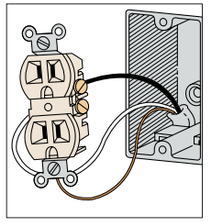
The nail from a picture hanger or flooring can puncture insulation.



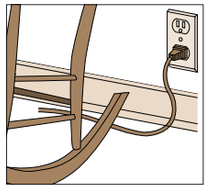
During new construction or remodeling, a wire can be pinched or punctured by a nail or stapled too tightly against a wood stud.



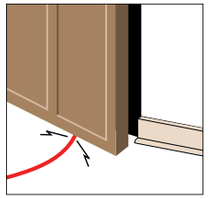
A wall plug or switch, if improperly installed with loose connections.



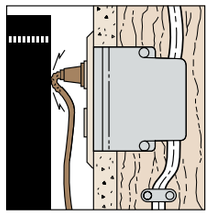
Conductors and insulation can be crushed by furniture or other household fixtures.



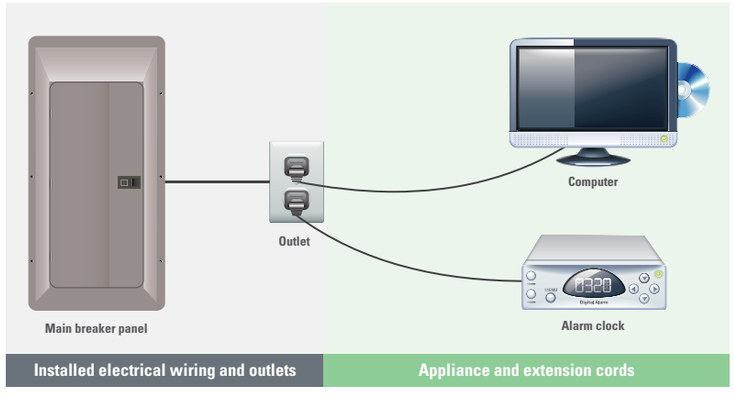
A door can puncture or damage insulation on extension cords.



Insulation may be damaged when furniture is pushed up against or rests on a cord.



Areas of protection



Arcing faults can occur in the installed wire behind the walls or in the ceiling, in poor connections at wire terminals, in appliance and extension cords, as well as within appliances and devices. Arcing faults in installed wiring are particularly dangerous because the conditions can exist unseen and are likely to go undetected for longer periods of time and thereby increase the risk of fire.