



## PROTECT YOUR HOME FROM ELECTRICAL FIRES & MALFUNCTION

**44,800 home fires per year involve electrical failure or malfunction.<sup>1</sup>**

**22,580 electrical fires start behind the wall each year.<sup>1</sup>**

**50%-75% of home electrical fires are caused by arc fault conditions.<sup>2</sup>**

### ARC FAULT BEHIND THE WALL

Arcing is the unintentional discharge of electrical current between two conductors.

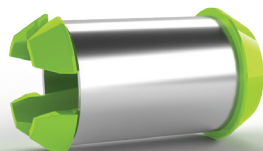
Arc Faults are created where continuity in an electrical wire has been compromised, causing the electrical current to “jump the gap” or arc, any time the circuit is turned on.

The most common causes of damage leading to Arc Faults behind the wall occurs when objects like nails, screws, or drill bits inadvertently penetrate the wire. Wire can also be damaged when scraping against a rough stud-hole when it is being routed throughout the house.

The Arc Fault Circuit Interrupter (AFCI) is a type of circuit breaker (required in most jurisdictions) that monitors its circuit for Arc Fault symptoms. When a symptom is detected, it cuts power to its circuit to prevent an electrical fire.

### AFCIs ARE A FIRE PREVENTION MEASURE. THEY DO NOT PREVENT ARC FAULTS FROM DEVELOPING

PREVENT ARC FAULTS FROM DEVELOPING BEHIND THE WALL BY SOLVING FOR THE ROOT CAUSE: **Wire Damage**



- 360-degree wire protection from screws, nails & drill bits.
- Smooth-contoured design protects wire insulation from scraping against abrasive stud-holes.

**COMPLIES WITH NFPA 70 SECTION 300.4 (A) NATIONAL ELECTRICAL CODE**

- Prevents Electrical Fires & Malfunctions caused by Arc Fault conditions.
- Confidently drill into your walls, knowing your electrical is protected.
- Eliminate service calls to diagnose, locate, and repair hidden Arc Faults.
- Minor increase to your home investment for an exponential increase to your family's safety.



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<sup>1</sup>Source: Home Electrical Fires, National Fire Protection Association (NFPA). Richard Campbell, 2019

<sup>2</sup>Source: Causes of Electrical Fires: The Hidden Dangers of Arc Faults Siemens Industry Inc., 2011