

## ARC RATED CATEGORY CHART

### ARC RATINGS - BASED ON NFPA 70E 2015

An ARC number is a method to determine the required arc rating of a garment worn for a given work task. Some work tasks will demand wearing protective garments in multiple layers to reach the required level of arc protection and this information should be provided by your employer as the results of their Arc Flash Risk Assessments.

The NFPA identified four ARC risk category levels, which are numbered by severity from 1 to 4 (1 being the lowest and 4 being the highest risk). The ARC Category (ARC) is the level of arc flash protection clothing you must wear to protect against a minimum level of incident energy measured in calories/cm<sup>2</sup>.

This means that electrical equipment, depending upon the energy delivering capability, under fault conditions can cause an explosion, or arc fault of a certain level, again measured in calories/cm<sup>2</sup>. The resulting explosion is able to deliver an amount of heat to a certain distance. Each level, 0-4, is rated at a certain amount of flame resistance, measured again in calories/cm<sup>2</sup>.

ARC	Minimum Cal Rating
ARC 1	4 cal/cm <sup>2</sup>
ARC 2	8 cal/cm <sup>2</sup>
ARC 3	25 cal/cm <sup>2</sup>
ARC 4	40 cal/cm <sup>2</sup>