

# ARC FLASH PPE

Information Gathered from NFPA 70E-2018 Edition



## INCIDENT ENERGY ANALYSIS METHOD\*

PROTECTIVE CLOTHING AND PPE	INCIDENT ENERGY EXPOSURE		
	<1.2 cal/cm <sup>2</sup>	≥1.2 to 12 cal/cm <sup>2</sup>	>12 cal/cm <sup>2</sup>
Protective Clothing, non-melting (in accordance with ASTM F 1506) or untreated natural fiber, long sleeve shirt and pants or coveralls	✓		
Safety glasses	✓	✓	✓
Hard hat	✓	✓	✓
Hearing protection	✓	✓	✓
Leather footwear	✓	✓	✓
Rubber insulating gloves with leather protectors for arc and shock protection	✓	✓	✓
Arc rated long sleeve shirt and arc rated pants or arc rated coverall		✓	
Arc rated face shield and arc rated balaclava		✓	
Arc rated arc flash suit hood, jacket and pants			✓
Undergarments shall be made of a non-melting material in accordance with ASTM F 1506	✓	✓	✓

\*This table is for use only when an incident energy analysis has been completed. If incident energy exposure has not been determined, refer to NFPA 70E-2018 Edition for PPE Category Method



<1.2 cal/cm<sup>2</sup>



≥ 1.2 to 12 cal/cm<sup>2</sup>



> 12 cal/cm<sup>2</sup>

EXAMPLE LABEL  
(Not actual size)

**WARNING**

Arc Flash and Shock Hazard  
Appropriate PPE Required

25.1 cal/cm<sup>2</sup> @ 18"

9 ft 7 in      Arc Flash Boundary

480 VAC      Nominal System Voltage

42 inches      Limited Approach Boundary

12 inches      Restricted Approach Boundary

Bus: MSB Prot: MaxTrip Time@2.0s

800-242-6673      Analysis conducted by SEAM Group      12/31/16

**DISCLAIMER:** This PPE guide and any information contained within is for reference purposes only and not meant to replace any regulation, code or standard. For detailed information regarding appropriate PPE selection, please refer to NFPA 70E–2018 Edition.