

**PROTECTIVE CLOTHING AND PERSONAL PROTECTIVE EQUIPMENT REQUIREMENTS  
FOR WORK ON ENERGIZED LIVE PARTS (50 V or more) per NFPA 70E 2012, Table 130.7(C)(16)**

<b>Protective Clothing And Personal Protective Equipment Required</b>	<b>HAZARD RISK CATEGORIES</b>				
	<b>0</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>
<b>Arc-Rated clothing Minimum Arc-Rating (Cal/cm<sup>2</sup>)</b>	<b>0</b>	<b>4</b>	<b>8</b>	<b>25</b>	<b>40</b>
Non-melting or Untreated Natural Fiber Long Sleeve Shirt	X	-	-	-	-
Non-melting or Untreated Natural Fiber Long Pants	X	-	-	-	-
Arc-Rated Long Sleeve Shirt	-	X	X	AR*	AR*
Arc-Rated Pants	-	X	X	AR*	AR*
Arc-Rated Coverall	-	X*	X*	AR*	AR*
Arc-Rated Arc Flash Suit Jacket and/or Arc-Rated Arc Flash Pants	-	-	-	AR*	AR*
Arc-Rated Face Shield	-	X*	X*	-	-
Arc-Rated Arc Flash Suit Hood	-	X*	X*	X	X
Arc-Rated Balaclava	-	-	X	-	-
Arc-Rated Jacket, Parka or Rainwear or Hard Hat Liner	-	AN	AN	AN	AN
Hard Hat	-	X	X	X	X
Safety Glasses or Goggles	X	X	X	X	X
Hearing Protection (ear canal inserts)	X	X	X	X	X
Heavy Duty Leather Gloves (see Notes Below)	AN	X*	X*	-	-
Arc-Rated Gloves	-	-	-	X*	X*
Leather Work Shoes	-	AN	X	X	X

\* = See Notes

AN = As Needed (Optional)

AR = As Required

## NOTES to Table 130.7(C)(16)

- If rubber insulating gloves with leather protectors are required by Table 130.7(C)(15)(b) for a specific task, additional leather gloves or arc-rated gloves are not required. The combination of rubber insulating gloves with leather protectors satisfies the arc flash protection requirement.
- For Hazard Risk Categories **1 or 2**:
  - An arc-rated coverall (4 Cal/cm<sup>2</sup> for Category 1 or 8 Cal/cm<sup>2</sup> for Category 2) could be used as an alternative to arc rated shirts and pants.
  - Arc-rated face shields are to have wrap-around guarding to protect face, forehead, ears and neck, or alternatively, an arc-rated arc flash suit hood is required with appropriate arc rating (4 Cal/cm<sup>2</sup> for Category 1 or 8 Cal/cm<sup>2</sup> for Category 2).
- For Hazard Risk Category **2 only**, an arc rated Balaclava is required.
- For Hazard Risk Categories **3 and 4**, the minimum arc-rating for each category (25 or 40 Cal/cm<sup>2</sup>, respectively) could be accomplished by adding layers of various arc-rated clothing.