

MITCHELL INSTRUMENT CO INC.

For All Your Electrical Arc Flash Protection Needs

ELECTRICAL ARC FLASH KITS

Our PPE (Personal Protective Equipment) incorporates technologically advanced fabrics & materials to provide true Arc-Rated protection. In full compliance with all aspects of NFPA70E-00, ASTM F1506-2000 and OSHA 29CFR 1910.269 standards. Flashguard Hoods provide full head arc protection with permanent anti-fog coating for excellent visibility & arc protection. Coats and Bib-Overalls

Determine the Correct Protection Level for You:

To evaluate Fire Retardant clothing materials in order to measure the heat transferred through the fabric, two values are calculated: arc-thermal performance value (ATPV)...the minimum energy causing the predicted onset of second-degree burns and heat attenuation factor (HAF)...the percentage of total energy of the arc that the fabric prevents from passing through. OSHA requires that each employer must assess the potential hazards in the work environment and determine the appropriate clothing materials using ASTM PS57-97. Always do a hazard assessment. You will need to know electrical system voltage, fault current available, number of phases, arc time duration, estimated arc gap, minimum distance from the arc, and arc configuration.

ARC 11



Jacket Only or Coveralls: 11 cal/cm2 ATPV
NFPA 70E HRC1

ARC 25



Garments: 29 cal/cm2
Hood: 32 cal/cm2 ATPV
NFPA 70E HRC3

ARC 40



Garments: 43 cal/cm2
Hood: 49 cal/cm2 ATPV
NFPA 70E HRC4

ARC 65



Garments: 70 cal/cm2
Hood: 97 cal/cm2 ATPV
Significantly exceeds
NFPA 70E HRC4

ARC 100



Garments: 104 cal/cm2
Hood: 108 cal/cm2 ATPV
Significantly exceeds
NFPA 70E HRC4

ARC 100B



Garments: 112 cal/cm2
Hood: 112 cal/cm2 ATPV
Significantly exceeds
NFPA 70E HRC4
Specially Tested for
Ballistic Protection

1000V INSULATED TOOLS

- Engineered for live work up to 1000 Volts
- Tools conform to the newest OSHA regulations, including 29CFR1910.269 and 29CFR1910.331-335
- Protect your employees from dangers of flashover, shocks and burns!
- Every tool is individually proof-tested and visually inspected for defects
- Lifetime Guarantee on the Tool & One Year Warranty on Coating
- Each tool meets or exceeds the standards set by IEC900 and ASTM- F1505 as well as VDE0680
- Outer coating is flame retardant & non-corrosive; inner coating is fully bonded to the tool
- Tools are manufactured from special high quality chrome vanadium



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Photo courtesy of
L&S Electric, Inc.
Schoefield, WI