



# Arc Flash & Flash Fire

## NFPA STANDARDS DEFINED

The National Fire Protection Agency Association (NFPA) is an international non-profit organization focused on preventing death and injury from fire and burns.

### NFPA 70E:

NFPA 70E standard addresses electrical hazards in the workplace and was developed to protect electrical workers who work on or near equipment that is capable of generating an arc flash. Employers are required to complete their own testing to assess each workers arc hazard rating. The level of arc exposure is referred to as the arc thermal performance value (ATPV) or cal rating. These ratings are used in the chart below to help determine the best personal protective equipment each workers should use. Each garment should be clearly marked for which Arc Flash PPE Category it complies with.

### NFPA 2112:

NFPA 2112 Standard on Flame-Resistant Garments for Protection of Industrial Personal Against Flash Fire provides minimum requirements for the design, construction, evaluation and certification of flame resistant garments. The standard was developed to protect industrial workers, primarily in the oil and petrochemical industries. Flash fires are unplanned exposures that typically last three seconds or less and spread rapidly through dust, gas or vapors of an ignitable liquid. The standard does not cover fire entry or structural fire fighting activities and provides no personal protection from chemical exposures.

## Protective Clothing Chart

ARC FLASH CATEGORY	REQUIRED MINIMUM ARC RATING (CAL/CM <sup>2</sup> )
1	4
2	8
3	25
4	40

This chart, based on specific job tasks, ranges from ARC1 (low risk) to ARC4 (high risk) and requires FR clothing with a minimum arc rating of 4. The ARC category is used to determine necessary arc rating of a garment worn during a given job task. Each of our garments are labeled with the appropriate ARC rating they meet.

## Introducing Veratti™ FR AR Dual Hazard Protective Workwear

First and foremost, our new Flame Resistant Arc Rated clothing is made with high performance in mind. With utmost respect for the courageous workers that routinely confront flash fire and electrical hazards, their safety is our mission.

Sturdy garments made with top grade materials and durable construction are then enhanced with added features designed to improve fit and comfort.



# Dual Hazard Protective Workwear



## Work Shirt

**70E** **2112**  
NFPA NFPA

Classic Fit Plus Enhanced Maneuverability

Our Veratti™ FR AR Work Shirt is a modern version of the classic fit with added knit panel insets that allow for a comfortable, wide range of motion. Two large chest pockets have button-closure flaps, plus a pencil tunnel for quick access. Constructed with double needle stitching, count on strength and long lasting durability.

PRODUCT #	FABRIC	CAT	CAL/cm <sup>2</sup>	COLOR
561WW01NSHIRT _ _	6.5 oz. 70% cotton/18% tencel/12% nylon	2	8.9	Navy
561WW01KSHIRT _ _	6.5 oz. 70% cotton/18% tencel/12% nylon	2	8.9	Khaki

Underscores ( \_ \_ ) are reserved for garment sizing:  
SM, MD, LG, XL, 2X & 3X

## Fleece Hoodie

Zip-Off Removable Hood

**70E** **2112**  
NFPA NFPA

The Veratti™ FR AR zipper fleece hoodie with zip-off removable hood, provides superb warmth, comfort and CAT 3 protection. Using FR Nomex zippers, the front entry has an added hook-and-loop closed storm flap for increased protection and warmth. We provide extra storage or a place to keep your hands warm, with two hand patch pockets, plus hidden cell phone pocket with inside wire management.

PRODUCT #	FABRIC	CAT	CAL/cm <sup>2</sup>	COLOR
591WW01NFleece _ _	14.25 oz. 55% modacrylic/45% cotton/ 2% spandex	3	28.0	Navy

Underscores ( \_ \_ ) are reserved for garment sizing:  
SM, MD, LG, XL, 2X & 3X



## Henley

Moisture-Wicking Performance Cotton

**70E** **2112**  
NFPA NFPA

Our Veratti™ FR AR Henley is certified for dual hazard protection by utilizing a performance fabric that is soft, comfortable, and wicks moisture. This is a generous traditional fit with a 3 button closure on the chest placket. This flame resistant Henley has a large pocket on the chest with a button closure. We have added rib cuffs for a better fit and performance.

PRODUCT #	FABRIC	CAT	CAL/cm <sup>2</sup>	COLOR
563WW01NHEN _ _	7.0 oz. FR cotton	2	9.6	Navy
563WW01GHEN _ _	7.0 oz. FR cotton	2	9.6	Gray

Underscores ( \_ \_ ) are reserved for garment sizing:  
SM, MD, LG, XL, 2X & 3X



# Dual Hazard Protective Workwear

**70E**  
NFPA **2112**  
NFPA



## Crew

### Moisture-Wicking Performance Cotton

The Veratti™ FR AR Crew provides a truly fantastic upgraded fit, with flat lock seams and raglan sleeves for better mobility. This flame resistant crew is equally balanced with superior comfort and fit, wicks moisture, and provides certified dual hazard protection. This flame resistant crew has a large pocket on the chest with a button closure. We have added rib cuffs for a better fit and performance.

PRODUCT #	FABRIC	CAT	CAL/cm <sup>2</sup>	COLOR
563WW01NCREW _ _	7.0 oz. FR cotton	2	9.6	Navy
563WW01GCREW _ _	7.0 oz. FR cotton	2	9.6	Gray

Underscores ( \_ \_ ) are reserved for garment sizing:  
SM, MD, LG, XL, 2X & 3X

## Coverall

### Superior Fit Plus Features

**70E**  
NFPA **2112**  
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The Veratti™ FR AR Deluxe coverall is the most complete in the market. This flame resistant, dual hazard, protective coverall is loaded with features: Bi-swing back, two patch chest pockets with flaps and snap closure, two internal hand pockets, hidden pass-throughs, adjustable cuffs, and more. We provide a full fitting garment with an elastic back for comfort, performance, and fit that moves with you, unrestrained. The coverall is constructed with double needle stitching for strength and long lasting durability.

PRODUCT #	FABRIC	CAT	CAL/cm <sup>2</sup>	COLOR
522WW01NCover _ _	7.0 oz. 88% cotton/12% nylon	2	8.9	Navy

Underscores ( \_ \_ ) are reserved for garment sizing:  
SM, MD, LG, XL, 2X & 3X





# 40 Cal & 12 Cal

## Arc Rating 40

Arc Flash & Flash Fire Protection

### Short Coat

Thigh length. Bi-swing back construction. Two-piece storm flap at top closure. Safe utility pocket.

### Long Coat

Calf length. Bi-swing back construction. Two-piece storm flap at top closure. Safe utility pocket.

### Bib Overall

Hook and loop front and leg openings. Safe utility pockets.

### Switchgear Hood Assembly

Hood, face shield, and hard hat.

### Bag

Large front pocket.

### Short Coat Kit

Short Coat, Bib Overall, Switchgear Hood Assembly, Kit Bag, AFR Spectacles.

### Long Coat Kit

Long Coat, Bib Overall, Switchgear Hood Assembly, Kit Bag, AFR Spectacles.



PRODUCT #	TYPE	FABRIC	CAT	CAL/cm <sup>2</sup>	COLOR
53140C01 _ _	40C Short Coat 88/12	9.0 oz. double layer 88% cotton/12% nylon	4	40	Navy
53140C02 _ _	40C Long Coat 88/12	9.0 oz. double layer 88% cotton/12% nylon	4	40	Navy
52240C04 _ _	40C Bib Overall 88/12	9.0 oz. double layer 88% cotton/12% nylon	4	40	Navy
51240C00	40C Switchgear Hood Assembly	9.0 oz. double layer 88% cotton/12% nylon	4	40	Navy
AFK24VER _ _	Short Coat, Bib Overall, Switchgear Hood, Kit Bag, AFR spectacles	9.0 oz. double layer 88% cotton/12% nylon	4	40	Navy
AFK38VER _ _	Long Coat, Bib Overall, Switchgear Hood, Kit Bag, AFR spectacles	9.0 oz. double layer 88% cotton/12% nylon	4	40	Navy
KitBag	Kit Bag	Nylon	-	-	Navy

Underscores ( \_ ) are reserved for garment sizing: SM, MD, LG, XL, 2X & 3X

## Arc Rating 12

Arc Flash & Flash Fire Protection

### Short Coat

Thigh length. Bi-swing back construction. Two-piece storm flap at top closure. Safe utility pocket.

### Bib Overall

Hook and loop front and leg openings. Safe utility pockets.

### Switchgear Hood Assembly

Hood, face shield, and hard hat.

### Bag

Large front pocket.

### Short Coat Kit

Short Coat, Bib Overall, Switchgear Hood Assembly, Kit Bag, AFR Spectacles.



PRODUCT #	TYPE	FABRIC	CAT	CAL/cm <sup>2</sup>	COLOR
53112C01 _ _	12C Short Coat 88/12	9.0 oz. double layer 88% cotton/12% nylon	2	12	Khaki
52212C04 _ _	12C Long Coat 88/12	9.0 oz. double layer 88% cotton/12% nylon	2	12	Khaki
51212C00	12C Switchgear Hood Assembly	9.0 oz. double layer 88% cotton/12% nylon	2	12	Khaki
AFK30VER _ _	Short Coat, Bib Overall, Switchgear Hood, Kit Bag, AFR spectacles	9.0 oz. double layer 88% cotton/12% nylon	2	12	Khaki
KitBag	Kit Bag	Nylon	-	-	Navy

Underscores ( \_ ) are reserved for garment sizing: SM, MD, LG, XL, 2X & 3X



1.800.283.6266 | [www.enconsafety.com](http://www.enconsafety.com)  
[customerservice@enconsafety.com](mailto:customerservice@enconsafety.com)

