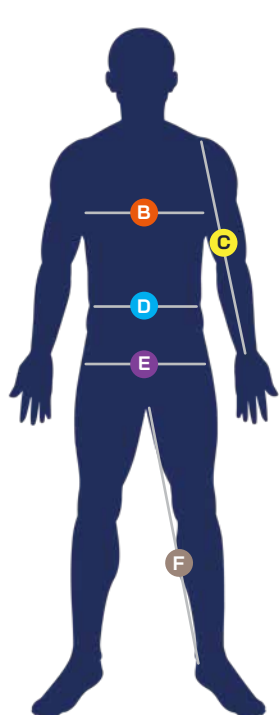


ARC FLASH PPE GEAR CHEAT SHEET

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/ FINDING YOUR SIZE



- A Height:** Measure from the top of your head to the ground without shoes.
- B Chest:** Measure under the arms and around the fullest part of the chest and over the shoulder blades.
- C Sleeve:** Measure from the point of the shoulder to wrist.
- D Waist:** Measure around the waist with a comfortable fit.
- E Hip:** Measure around the hip with a comfortable fit.
- F Inside Leg:** Measure from the crotch to the top of the heel.

STANCO PPE APPAREL

Coveralls, Bib Overalls, Jackets, Coats

Alpha Size	Chest (cm)
S	86 - 91
M	97 - 102
L	107 - 112
XL	117 - 122
2XL	127 - 132
3XL	137 - 142
4XL	147 - 152
5XL	158 - 163

Coveralls, Bib Overalls

Size	Height
Short	5'6" & under
Regular	5'6" - 6'0"
Tall	6'1" - 6'3"

ARCSAFE® PPE APPAREL

Switching Jackets (90mm length) and Coat (1300mm length)

Alpha Size	Chest (cm)	Sleeve (cm)
XS	87	60
S	92	62
M	97	64
L	102	66
XL	107	68
2XL	112	69
3XL	117	70
4XL	122	71

Switching Bib & Brace Trousers

Alpha Size	Chest (cm)	Inside Leg (cm)
XS	77	74
S	82	76
M	87	78
L	92	80
XL	97	81
2XL	102	82
3XL	107	83
4XL	112	85

ARC FLASH PPE GEAR

CHEAT SHEET



In NFPA 70E, arc flash PPE selection is based on four PPE categories (1 to 4), each with a defined minimum arc rating. Earlier “Hazard/Risk Categories” and the former Category 0 are no longer used in the current table method. Arc-rated PPE must be tested and clearly labelled with its arc rating (cal/cm²), which represents the level of thermal energy associated with a 50% probability of a second-degree burn.

Below is a simplified overview of the PPE categories and required apparel for every category:

Important: To comply with NFPA 70E, the complete arc flash system must be worn as a three-piece set. This includes either: Hood, coat, and leggings; or Hood, jacket, and bib & brace trousers. If any garment is exposed to an arc flash incident, it must be immediately removed from service.

PPE Category



Minimum Cal Rating

4 cal/cm²

8 cal/cm²

25 cal/cm²

40 cal/cm²

- Lowest level requiring arc-rated PPE
- Typically met with a single lightweight layer

- Often achievable with a single arc-rated layer
- Many businesses choose CAT 2 to cover both CAT 1 and CAT 2 due to similar comfort and practicality

- Requires multiple layers of arc-rated PPE
- Includes arc flash hood and insulating gloves with leather protectors or arc-rated gloves

- Highest protection level, above 40 cal/cm²
- Requires additional layered clothing plus full arc-flash PPE

Required



- Arc-rated long sleeve shirt and pants OR coverall

and



- Arc-rated face shield with wrap-around coverage for forehead, ears and neck OR arc flash suit hood



- Arc-rated long sleeve shirt and pants OR coverall

and



- Arc-rated face shield with wrap-around coverage for forehead, ears and neck with balaclava, OR arc flash suit hood



and



- Arc-rated long sleeve shirt and pants or coverall AND arc-rated arc flash suit with jacket and pants or coat and leggings

and



- Arc-rated arc flash suit hood

and



- Arc-rated gloves OR rubber insulating gloves & leather protectors



and



- Arc-rated long sleeve shirt and pants or coverall AND arc-rated arc flash suit with jacket and pants or coat and leggings

and



- Arc-rated arc flash suit hood

and



- Arc-rated gloves OR rubber insulating gloves & leather protectors

As Needed

- Arc Rated Jacket, Rainwear and/or Parka
 - Hard Hat and/or Hard Hat Liner
 - Heavy Duty Leather Gloves
- Eye Protection (Glasses or Goggles)
 - Hearing Protection
- Safety Leather Footwear (as needed)



ARC FLASH PPE GEAR

CHEAT SHEET



**Arc Rated
PPE2**

Minimum Cal Rating
8 cal/cm²

NFPA 70E defines arc flash PPE across four categories (1–4), each with a minimum arc rating. The older Hazard/Risk Categories, including Category 0, are no longer used. Arc-rated PPE must be tested and labelled in cal/cm², indicating the thermal energy level linked to a 50% probability of a second-degree burn. Below is PENTA Australia HYLEC TMAC's PPE range aligned to the rating specified on the left.

Arc Rated Hand Protection



TOUCH-E
12cal/cm²



AFG GCA
Class 00 to 4



ARCSAFE@T9
9cal/cm²
EASCGT9



999 SERIES
23cal/cm²
999S

Arc Rated Head Protection



STANCO
12.4cal/cm²
TT11712



ARCSAFE@T9
9cal/cm²
EASCHT9



STANCO
12cal/cm²
STS1-12-HT



STANCO
20cal/cm²
STS1-20-HT



ARCSAFE@
14cal/cm²
FSAMP14BKIT1

Arc Rated Body Protection



ARCSAFE@T9
9cal/cm²
EASCLT9



STANCO
12cal/cm²
TT1125VC



STANCO
12cal/cm²
US9681-RB



STANCO
12cal/cm²
TT11670



ARCSAFE@T9
9cal/cm²
EASCJT9 (short)
EASCCT9 (long)



STANCO
12cal/cm²
TT11635 (short)
TT11650 (long)



ARCSAFE@T9
9cal/cm²
EASCTT9
EASCTT9T1 (reflective trim)

Arc Rated PPE Kits



**STANCO
ECONOMY KIT**
12cal/cm²
TTEK11



**ARCSAFE@T9
LOW ENERGY KIT**
9cal/cm²
EASKCA20T9



**ARCSAFE@T9
JACKET &
TROUSERS KIT**
9cal/cm²
EASKJTT9



**ARCSAFE@T9
COAT &
LEGGINGS KIT**
9cal/cm²
EASKCLT9

SERVICES AVAILABLE

Contact sales@pentaesp.com.au for assistance



CUSTOM KITS



BRANDING



TESTING

Important: To comply with NFPA 70E, the complete arc flash system must be worn as a three-piece set. This includes either: Hood, coat, and leggings; or Hood, jacket, and bib & brace trousers. If any garment is exposed to an arc flash incident, it must be immediately removed from service.

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ARC FLASH PPE GEAR

CHEAT SHEET



**Arc Rated
PPE3** 

Minimum Cal Rating
25 cal/cm²

NFPA 70E defines arc flash PPE across four categories (1—4), each with a minimum arc rating. The older Hazard/Risk Categories, including Category 0, are no longer used. Arc-rated PPE must be tested and labelled in cal/cm², indicating the thermal energy level linked to a 50% probability of a second-degree burn. Below is PENTA Australia HYLEC TMAC's PPE range aligned to the rating specified on the left.

Arc Rated Hand Protection



AFG GCA
Class 00 to 4



1050 SERIES
38cal/cm²
10503BC

Arc Rated Head Protection



STANCO
25cal/cm²
TT25712



FACESHIELD
36cal/cm²
H114.WSE2

Arc Rated Body Protection



STANCO
25cal/cm²
TT2525VC17



STANCO
25cal/cm²
TT25670



STANCO
25cal/cm²
TT25635 (short)
TT25650 (long)

Arc Rated PPE Kits



**STANCO
ECONOMY KIT**
25cal/cm²
TTEK25

SERVICES AVAILABLE

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CUSTOM KITS



BRANDING



TESTING

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ARC FLASH PPE GEAR

CHEAT SHEET



**Arc Rated
PPE4** 

Minimum Cal Rating
25 cal/cm²

NFPA 70E defines arc flash PPE across four categories (1—4), each with a minimum arc rating. The older Hazard/Risk Categories, including Category 0, are no longer used. Arc-rated PPE must be tested and labelled in cal/cm², indicating the thermal energy level linked to a 50% probability of a second-degree burn. Below is PENTA Australia HYLEC TMAC's PPE range aligned to the rating specified on the left.

Arc Rated Hand Protection



AFG GCA
Class 00 to 4



ARCSAFE@T40
40cal/cm²
EASCGT40



ARCSAFE@X50
52cal/cm²
EASCGX50



STANCO
76.2cal/cm²
US214W

Arc Rated Head Protection



STANCO
40cal/cm²
TT40712
TT40712AF (ventilated)



ARCSAFE@T40
40cal/cm²
EASCHT40



ARCSAFE@X50
52cal/cm²
EASCHLFX50



ARCSAFE@X50
52cal/cm²
EASCHX50



**STANCO
TRANSVISION**
55cal/cm²
TV55712

Arc Rated Body Protection



STANCO
40cal/cm²
TT4025VC17



ARCSAFE@T40
40cal/cm²
EASCLT40



ARCSAFE@X50
52cal/cm²
EASCLX50



STANCO
40cal/cm²
TT40670



ARCSAFE@T40
40cal/cm²
EASCTST40



ARCSAFE@X50
52cal/cm²
EASCTX50
EASCTX50T1 (reflective trim)



STANCO
40cal/cm²
TT40635 (short)
TT40650 (long)



ARCSAFE@T40
40cal/cm²
EASCJT40 (short)
EASCCT40 (long)



ARCSAFE@X50
52cal/cm²
EASCJX50 (short)
EASCCX50 (long)

Arc Rated PPE Kits



**STANCO
ECONOMY KIT**
40cal/cm²
TTEK40



STANCO
40cal/cm²
TTK40
TTK40VH (with ventilated hood)



**ARCSAFE@T40
JACKET & TROUSERS KIT**
40cal/cm²
EASKJTT40



**ARCSAFE@T40
COAT & LEGGINGS KIT**
40cal/cm²
EASKCLT40



**ARCSAFE@X50
JACKET & TROUSERS KIT
WITH BEEKEEPER HOOD**
52cal/cm²
EASKJTHSX50



**ARCSAFE@X50
COAT & LEGGINGS KIT
WITH BEEKEEPER HOOD**
52cal/cm²
EASKCLHSX50



**ARCSAFE@X50
JACKET & TROUSERS KIT
WITH FRONT LIFT HOOD**
52cal/cm²
EASKJTHLX50



**ARCSAFE@X50
COAT & LEGGINGS KIT
WITH FRONT LIFT HOOD**
52cal/cm²
EASKCLHLX50

SERVICES AVAILABLE

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CUSTOM KITS



BRANDING



TESTING

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/ PPE KITS SELECTION GUIDE



COAT +
LEGGINGS

- Improved airflow and ventilation for greater comfort
- Cooler design suited for hot environments and outdoor worksites
- Ideal for short-duration tasks requiring quick wear and mobility



JACKET +
TROUSERS

- Encourages consistent full-kit compliance
- Balanced design provides a good combination of comfort and mobility
- Well suited for extended wear across varied site and weather conditions

/ RELATED PRODUCTS



INSULATING MATS
CLASS 0-4



DCC DIRECT CURRENT
VOLTAGE DETECTOR



TAGLITE LV VOLTAGE
DETECTOR



TAG200 MRM MV
VOLTAGE DETECTOR



TAG330 HV VOLTAGE
DETECTOR



UNITAG LV NON-
CONTACT VOLTAGE
DETECTOR



ALADIN ELECTRIC MV
FIELD DETECTOR



COMPACT CLAMP
OPERATING STICK



PORTABLE EARTHING DEVICES (PED)