



**PMMI**

**INTERNATIONAL**

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## INTERNATIONAL

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# Secondary Workwear – Hazard Risk Category 1 & 2 Protection

Basic protection to safeguard workers exposed to flame, sparks and Category 2 arc flash hazards. All garments receive additional topstitching at critical stress points.



## Workshirts • Coveralls • Pants



### Work Shirts

**Fabric: Westex Ultrasoft AC, FR cotton, Tecasafe or Protera**

- Button front closure
- Breast pockets with flaps
- 2 button adjustment at cuff
- available in khaki, medium blue and navy blue
- Available in 8 cal/cm<sup>2</sup> and 12 cal/cm<sup>2</sup>
- Size small thru 6XL
- Button down collar



### Coveralls

**Fabric: Westex Ultrasoft™ FR cotton, Tecasafe or Protera**

- Laydown collar, action back
- Covered 2 way zipper with snap at neck and waist
- Elastic waistband
- Closed sleeve with snap adjustment
- 2 breast pockets, left with pencil divider
- 2 hip pockets, 2 reach in pockets with side slits and modesty flaps
- Right leg tool pocket
- Available in 8 cal/cm<sup>2</sup>, 12 cal/cm<sup>2</sup> and 20 cal/cm<sup>2</sup>



### Pants

**Fabric: Westex Ultrasoft™, FR cotton, Tecasafe or Protera**

- 7 belt loops with reinforced waist band
- Standard four pocket construction
- Zipper fly closure
- Colours: navy blue or khaki
- Available 12 cal/cm<sup>2</sup>
- available in standard or cargo pant style

*Order by waist size and inseam*

# Secondary Workwear



### Lab Coat NBU7 9376-45

- Arc Rating 8.7 cal/cm<sup>2</sup>
- 45" length, 7 oz. Navy Blue WESTEX UltraSoft®
- Covered front snap closures
- 2 outside breast pockets 2 outside waist pockets
- Also available with inside pockets only
- Reach-in side slits
- Closed sleeves
- Split in tail of the coat
- Size: Medium through 3XLarge
- Not intended for primary arc flash protection



### Arc Flash Coat AG12C-50

- Single layer WESTEX UltraSoft® construction
- Military collar
- Covered Zipper Front closure; storm flap with VELCRO® closure
- NOMEX® wristlets
- Size Medium through 2XLarge
- Fits heights up to 6'2"



### FR Denim Jeans JEAN

- Durable 14 oz. Indura® Denim
- Arc Rating/ATPV = 18.3 cal/cm<sup>2</sup>
- Covered zipper-fly closure and bar tacks at stress points for added durability
- Two front pockets, two rear pockets and a side tool pocket
- Generous fit for ease of movement



### Hi Vis T-shirt C54HYLSC3

- Comfortable 7.75 oz. Reliant™ hi-vis jersey knit
- Arc Rating/Ebt = 10 cal/cm<sup>2</sup>
- Segmented hi-vis striping
- Short or long sleeve



### FR Hi Vis Vest VOOHA2VCSA

- Modacrylic/Kevlar® Hi-Vis Mesh
- Four point tear away hook and loop construction
- CSA configuration striping
- Arc Rating/ATPV = 4.6 cal/cm<sup>2</sup>
- 2" Segmented hi-vis striping
- FR hook and loop closure



### Hi Vis Shirt SHRTV3C3

- Moisture wicking breathable fabric for improved comfort
- Inherently flame resistant 8.9 cal/cm<sup>2</sup>
- Scotchlite™ segmented reflective tape

# Secondary Workwear – Hazard Risk Category 1 & 2 Protection

Basic protection to safeguard workers exposed to flame, sparks and Category 2 arc flash hazards.  
All garments receive additional topstitching at critical stress points.

## Workshirts • Coveralls • Pants

SECONDARY WORKWEAR Category 1 & 2 Protection				
Product	cal/ cm <sup>2</sup>	COLOUR	CODE	CODE
<b>Work shirt</b>				
7 oz. Indura® Ultrasoft™	8	medium blue	MBU7 9575	
	8	khaki	KU7 9575	
	8	navy blue	NBU7 9575	
9 oz. Indura® Ultrasoft™	12	navy blue only	NBU9 9575	
6 oz. Protera	8	khaki	KP6 9575	
	8	medium blue	MP6 9575	
7 oz. Tecasafe Plus	8	navy blue	NT7 9575	
	8	Hi-Vis Yellow	YT7 9575	
<b>Pant</b>			<b>standard</b>	
9 oz Indura® Ultrasoft™	12	navy blue	NBU9 9460	
	12	khaki	KU9 9460	
FR Cotton Pants	12	various	MX9 9460	
8 oz Protera	12	navy blue	NP8 9460	
	12	khaki	KP8 9460	
9 oz Tescasafe Plus	10	navy blue	NBT9 9460	
<b>Coveralls</b>			<b>standard</b>	<b>with CSA striping</b>
7 oz Ultrasoft™	8	navy blue	NBU7 9800	NBU7 9500-T07
7 oz FR cotton	8	various	MX79800__	
9 oz. Ultrasoft™	12	navy blue	NBU9 9800	NBU9 9500-T07
9 oz FR cotton	12	navy blue	MX99800NS	MX99800
13 oz Ultrasoft™	20	navy blue	NBU 9800	NBU9500-T07
8 oz. Protera	12	navy blue	NP8 9800	NP8 9800-t07

SIZE CHART	SECONDARY WORKWEAR SHIRT (MEN'S) (ORDER BY CHEST SIZE & GARMENT LENGTH)				
CHEST SIZE	SM (36/38)	MD (40/42)	LG (44/46)	XL (48/50)	2XL (52/54)
SLEEVE LENGTH	31	33	34	35	36
<b>OPTIONAL LENGTHS</b>					
<ul style="list-style-type: none"> <li>• Short - 2" Sleeve Length - 1 1/2" Tail Length</li> <li>• Regular Per Specifications</li> <li>• Long + 2" Sleeve Length + 1 1/2" Tail Length</li> <li>• Tall + 3" Tail Length Only</li> </ul>					
** Special Optional Sleeve Lengths <b>CONTACT PMMI</b>					

SIZE CHART	SECONDARY WORKWEAR PANTS (MEN'S) (ORDER BY WAIST SIZE & INSEAM LENGTH)									
WAIST SIZE	30	32	34	36	38	40	42	44	46	48
<b>SPECIFY DESIRED INSEAM</b>										
Inseam Lengths 28" 30" 32" 34" 36"										
<b>Standard Inseam Length 32"</b>										

SIZE CHART	SECONDARY WORKWEAR COVERALLS (MEN'S) (ORDER BY CHEST SIZE & OPTIONAL LENGTH)									
CHEST SIZE	36	38	40	42	44	46	48	50	52	54
SLEEVE LENGTH	32	32	34	34	35	35	36	36	37	37
STANDARD INSEAM LENGTH	27	27	28	28	29	29	30	30	31	31
<b>OPTIONAL LENGTHS</b>										
<ul style="list-style-type: none"> <li>• Short - 2" Sleeve Length and Inseam - 1 1/2" Torso</li> <li>• Regular Per Specifications</li> <li>• Long + 2" Sleeve Length and Inseam + 1 1/2" Torso</li> <li>• Tall + 1 1/2" Torso Length Only</li> </ul>										
<b>Standard Inseam Fits 30" - 34" inseam</b>										

# Premium Gray Faceshields



## 5100 Slotted Connection

- Adjustable settings allow faceshield to be secured in various positions, including above hard hat
- Attached see through chin cup for enhanced peripheral vision
- High visible light transmission for greater visibility



## 5101 Universal Connection

- Adjustable settings allow faceshield to be secured in various positions, including above hard hat
- Attached see through chin cup for enhanced peripheral vision
- High visible light transmission for greater visibility



## 5120 Slotted Connection Combo

- Adjustable settings allow faceshield to be secured in various positions, including above hard hat
- Attached see through chin cup for enhanced peripheral vision
- High visible light transmission for greater visibility



## 5121 Universal Connection Combo

- Adjustable settings allow faceshield to be secured in various positions, including above hard hat
- Attached see through chin cup for enhanced peripheral vision
- High visible light transmission for greater visibility

## Faceshields



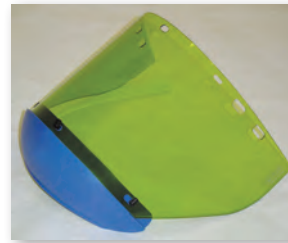
## 4692

- Includes 12 cal/cm<sup>2</sup> faceshield with chin cup
- Slotted visor adapter
- Dielectric hard hat



## 4693

- Includes 12 cal/cm<sup>2</sup> faceshield with chin cup
- Universal visor adapter
- Dielectric hard hat



## 4656

- Replaceable 12 cal/cm<sup>2</sup> faceshield with protective chin cup
- Attaches to 4660 or 4665



## 4660

- Visor adapter for slotted hardhats
- Flip up adjustable positioning



## 4665

- Visor adapter for non-slotted hard hats
- Flip up adjustable positioning



## Grey Lens for 40 Cal

- Lenses for Steel Grip hoods



## AG25 Lens

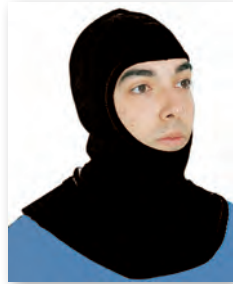
- Lenses for Steel Grip hoods

# Head and Face Protection



## H11RY

- Arc Rating 12 cal/cm<sup>2</sup>.
- single layer of Ultra Soft®



## CXK 2310

- Arc Rating 23 cal/cm<sup>2</sup> head area
- Arc Rating 12 cal/cm<sup>2</sup> neck area
- 2-ply stretch 7.4 oz. knit CarbonX® with 1-ply cape
- Full face opening



## NK2310/ NK2310CA

- 2-ply stretch white NOMEX® hood with 1-ply cape
- NK2310- no arc flash rating
- NK2310CA 9 cal/cm<sup>2</sup>



## HNC2BK

- Designed for cold weather conditions
- Warmth without the weight
- 35 cal/cm<sup>2</sup>



## KITHP12GGL

### 12 cal goggle/balaclava combination

- Arc rating (ATPV) of 12 cal/cm<sup>2</sup> when used in combination
- Provides increased flexibility with excellent breathability



## KITHP27

### 27 cal goggle/balaclava combination

- Arc rating 27 cal/cm<sup>2</sup> when used together
- double layer balaclava made from knit material of Carbon and Kevlar® fiber



## KITHP45

### 45 cal goggle/balaclava combination

- Arc rating 45.8 cal/cm<sup>2</sup> when used in combination
- triple layer balaclava made from knit material of Carbon X



## H74FL28

- Outer Fleece: 15 cal/cm<sup>2</sup> / Inner Facial Liner: 4 cal/cm<sup>2</sup>
- FR Control 2.0™ with 8.5 oz. Nomex® FleeceAdjustable drawstring hood. Combines a fleece hood with an adjusted inner facial liner
- Designed for cold weather conditions
- Wicks moisture away from the skin for comfort and warmth (Inner Liner)

## Carry Bags



## AGBAG

suitable for all arc flash kits  
13" H x 24"L X 13" W



## FSBAG

Flannel protection for your  
faceshield assembly



## 9400-52514

Knapsack for all arc flash kits.  
Keeps your hands free for tools  
and other equipment.



## HRC2BAG SAGBAG

13" X 21" X 13"  
15" X 9" inner pocket with Velcro  
closure



PI  
Navy

C54PI\_\_ C54PILS\_\_ C54PIBSLS\_\_



PA  
Tan

C54PA\_\_ C54PALS\_\_ C54PABSLS\_\_



PG  
Grey

C54PG\_\_ C54PGLS\_\_ C54PABSLS\_\_



PQ  
Orange

C54PQLS\_\_ C54PQBSLS\_\_

## True Comfort Shirts FR Classic Cotton Shirts

This classic shirt is available in a variety of styles and colours to suit your needs.

### This distinguishing sweatshirt features:

- 6.25 oz. FR Classic Cotton™ -12 cal/cm²
- Reinforced left chest pocket
- Increased comfort at neckline with tagless label printing and covered seams
- Quickly identify compliance with exterior label
- Rib knit cuffs for a comfortable secure fit
- Meets CSA Z 462 requirements
- ADD SIZE TO PART NUMBER

### Decoding The Part Numbers



- C54\_\_ short sleeve
- C54\_\_LS\_\_ long sleeve
- C54\_\_BSLS\_\_ Henley
- C54\_\_PSLS\_\_ polo





VY  
Navy

C54VYBSLS\_\_ C54VYLS\_\_



VK  
Tan

C54VKBSLS\_\_ C54VKLS\_\_



VG  
Grey

C54VGBSLS\_\_ C54VGLS\_\_



VR  
Orange

C54VRLS\_\_



C54VYPSLSSC

Polo shirt, Available in navy, gray and tan

### True Comfort Shirts

#### Dual Certified CSA Z 462 and NFPA 2112

- 5.5 oz. TrueComfort® - 8.9 cal/cm<sup>2</sup>
- Reinforced left chest pocket
- Lightweight FR knit fabric
- 3 Button front placket on Henley
- Quickly identify compliance with exterior label
- Rib knit cuffs for a comfortable secure fit

C54\_\_ short sleeve  
 C54\_\_LS\_\_ long sleeve  
 C54\_\_BSLS\_\_ Henley  
 C54\_\_PSLS\_\_ polo

# Sweatshirts

MEETS  
ASTM F-1506-02A  
AND CSA Z462  
SPECIFICATIONS



### Style 02 Crewneck

- Generous cut
- Rib knit cuffs
- Rib knit waistband



### Style 03 Hooded Pullover

- Generous cut
- Rib knit cuffs
- Rib knit waistband
- Cord locks keep hood cinched and in place
- Reinforced large patch pocket



### Style 03 Zip Front Hoodie

- Large drawstring hood fits over hard hat
- Generous cut
- Rib knit cuffs
- Covered FR zipper front closure
- 2 reinforced front patch pockets
- Cord locks keep hood cinched and in place
- Reinforced rib knit waistband

STYLE	WEIGHT	COLOUR/ MATERIAL	PART NUMBER	CAL RATING
02- crewneck	Midweight	Navy blue Ultrasoft	C21WT02_ _	22 cal/cm <sup>2</sup>
	Heavyweight	Navy Modacrylic/ cotton blend	C21IF02_ _	28 cal/cm <sup>2</sup>
	Heavyweight	Grey Modacrylic/ cotton blend	C21IG02_ _	28 cal/cm <sup>2</sup>
03-hoodie (pullover)	Midweight	Navy blue Ultrasoft	C21WT03_ _	22 cal/cm <sup>2</sup>
	Heavyweight	Navy Modacrylic/ cotton blend	C21IF03_ _	28 cal/cm <sup>2</sup>
	Heavyweight	Gray Modacrylic/ cotton blend	C21IG03_ _	28 cal/cm <sup>2</sup>
05- zip front hoodie	Midweight	Navy blue Ultrasoft	C21WT05_ _	22 cal/cm <sup>2</sup>
	Heavyweight	Navy Modacrylic/ cotton blend	C21IF05_ _	28 cal/cm <sup>2</sup>
	Heavyweight	Gray Modacrylic/ cotton blend	C21IG05_ _	28 cal/cm <sup>2</sup>

# Hi Vis Clothing



## SHRTV3C3 Hi-Vis Work Shirt

- Moisture wicking breathable fabric for improved comfort
- Inherently flame resistant 8.9 cal/cm<sup>2</sup>
- Scotchlite™ FR segmented reflective tape"



## C21HC03C Arc Rating: 20 cal/cm<sup>2</sup>

- Compliant to CSA Z462
- 10.5 oz. Modacrylic/Cotton Blend
- 3M™ Scotchlite™ Segmented FR Silver Reflective Material
- Large drawstring hood fits over hard hat
- FR hook and loop tab closure at neckline for secure fit
- Generous cut allows for unrestricted movement
- Home laundry
- Large front pockets
- Rib knit cuffs



## C21HC05C3 Arc Rating: 20 cal/cm<sup>2</sup>

- Compliant to CSA Z462
- 10.5 oz. Modacrylic/Cotton Blend
- 3M™ Scotchlite™ Segmented FR Silver Reflective Material
- Large drawstring hood fits over hard hat
- FR hook and loop tab closure at neckline for secure fit
- Generous cut allows for unrestricted movement
- Home laundry
- Large front pockets
- Rib knit cuffs



## SHRU03CX2 Arc Rating: 8.9 cal/cm<sup>2</sup>

- CSA Z462-15
- CSA Z96-15 Bright Orange Class 2 Level 2 FR
- 7 oz. UltraSoft®
- 3M™ Scotchlite™ FR silver segmented reflective trim
- Button Down Collar
- Left front chest pocket
- X back
- Dual hazard protection



## C54VRLSPCX2 True Comfort X back t-shirt Arc Rating: 8.9 cal/cm<sup>2</sup>

- Compliant to CSA Z462
- CSA Z96-15 Bright Orange Class 2 Level 2 FR
- 5.5 oz. TrueComfort®
- 3M™ Scotchlite™ FR silver segmented reflective trim
- Left front chest pocket
- Dual hazard protection

# HRC 2 Arc Flash Kits

MEETS  
ASTM F-1506-02A  
AND CSA Z462  
SPECIFICATIONS

All kits include coveralls, balaclava, class 0 glove kit protective faceshield/ hardhat combination, faceshield protective bag, all in a Arc Gear carry bag.



For Premium gray shield in your kit, add a "G" to the end of the part number. Surcharges apply.



## 8 cal/cm<sup>2</sup> Arc Flash Kits

ULTRASOFT KITS	
M8C09KIT	size 42 coveralls, size 9, class 0 gloves
M8C10KIT	size 42 coveralls, size 10, class 0 gloves
M8C11KIT	size 42 coveralls, size 11, class 0 gloves
Large	
L8C09KIT	size 46 coveralls, size 9, class 0 gloves
L8C10KIT	size 46 coveralls, size 10, class 0 gloves
L8C11KIT	size 46 coveralls, size 11, class 0 gloves
Extra Large	
XL8C09KIT	size 50 coveralls, size 9, class 0 gloves
XL8C10KIT	size 50 coveralls, size 10, class 0 gloves
XL8C11KIT	size 50 coveralls, size 11, class 0 gloves
FR COTTON KITS	
M8C09KITMX	size 42 coveralls, size 9, class 0 gloves
M8C10KITMX	size 42 coveralls, size 10, class 0 gloves
M8C11KITMX	size 42 coveralls, size 11, class 0 gloves
Large	
L8C09KITMX	size 46 coveralls, size 9, class 0 gloves
L8C10KITMX	size 46 coveralls, size 10, class 0 gloves
L8C11KITMX	size 46 coveralls, size 11, class 0 gloves
Extra Large	
XL8C09KITMX	size 50 coveralls, size 9, class 0 gloves
XL8C10KITMX	size 50 coveralls, size 10, class 0 gloves
XL8C11KITMX	size 50 coveralls, size 11, class 0 gloves

## 12 cal/cm<sup>2</sup> Arc Flash Kits

ULTRASOFT KITS	
M12C09KIT	size 42 coveralls, size 9, class 0 gloves
M12C10KIT	size 42 coveralls, size 10, class 0 gloves
M12C11KIT	size 42 coveralls, size 11, class 0 gloves
Large	
L12C09KIT	size 46 coveralls, size 9, class 0 gloves
L12C10KIT	size 46 coveralls, size 10, class 0 gloves
L12C11KIT	size 46 coveralls, size 11, class 0 gloves
Extra Large	
XL12C09KIT	size 50 coveralls, size 9, class 0 gloves
XL12C10KIT	size 50 coveralls, size 10, class 0 gloves
XL12C11KIT	size 50 coveralls, size 11, class 0 gloves
FR COTTON KITS	
-12 cal FR cotton kits come with CSA two colour striping.	
M12C09KITMX	size 42 coveralls, size 9, class 0 gloves
M12C10KITMX	size 42 coveralls, size 10, class 0 gloves
M12C11KITMX	size 42 coveralls, size 11, class 0 gloves
Large	
L12C09KITMX	size 46 coveralls, size 9, class 0 gloves
L12C10KITMX	size 46 coveralls, size 10, class 0 gloves
L12C11KITMX	size 46 coveralls, size 11, class 0 gloves
Extra Large	
XL12C09KITMX	size 50 coveralls, size 9, class 0 gloves
XL12C10KITMX	size 50 coveralls, size 10, class 0 gloves
XL12C11KITMX	size 50 coveralls, size 11, class 0 gloves

# FR Performance Base Layering Garments



**C51FRSRLS**



**DF2-CM-446TS-NB**



**DF2-CM-446LS-DS**



**DF2-446LP-NB**

## DRIFIRE BASE LAYER

### Inherently flame resistant

- Lightweight breathable fabric for maximum comfort
- Ribbed collar to maintain shape
- Slightly heavier than FR CONTROL T
- Odor control technology

Available in Navy and Desert Sand

## FR CONTROL T

### Inherently flame resistant - will not melt or drip

- Proactively regulates skin temperature (+/-) 3 degrees
- Heat Stress Reduction
- Reduces perspiration 34%
- Lightweight, breathable fabric
- Odor Control
- Superior moisture wicking & dry rate
- Raglan sleeves for optimal range of motion
- Knit wrist on long sleeve keep sleeve in place

Available Khaki only

DRIFIRE BASE LAYER-- OUR MOST POPULAR FR UNDERWEAR			
DF2-CM-446TS-NB__	Short Sleeve T-Shirt	Navy	4.5 cal/cm <sup>2</sup>
DF2-CM-446TS-DS__	Short Sleeve T-Shirt	Tan	4.5 cal/cm <sup>2</sup>
DF2-CM-446LS-NB__	Long Sleeve T-Shirt	Navy	4.5 cal/cm <sup>2</sup>
DF2-CM-446LS-DS__	Long Sleeve T-Shirt	Tan	4.5 cal/cm <sup>2</sup>
DF2-446LP-NB__	Long Underwear Bottom	Navy	4.5 cal/cm <sup>2</sup>
DF2-CM-446BB-NB__	Boxer Brief	Tan	4.5 cal/cm <sup>2</sup>

CONTROL T FR PERFORMANCE BASE LAYER			
C51FRSR__	FR Control™ Short Sleeve T-Shirt	khaki	3.6 cal/cm <sup>2</sup>
C51FRSRLS__	FR Control™ Long Sleeve T-Shirt	khaki	3.6 cal/cm <sup>2</sup>
U51FRSR__	FR Control™ Long Underwear	khaki	3.6 cal/cm <sup>2</sup>

# ArcGear Protective Garment System

MEETS  
ASTM F-1506-02A  
AND CSA Z462  
SPECIFICATIONS

Protective Garment System Options Include:

**Hood • Jacket/Coat • Over Pants • Bib Overalls • Leggings**



## Hood

- Replaceable tinted lens with anti-fog coating
- Lens is extended 3" from face to accommodate protection and help minimize lens fogging
- Lens meets ANSI Z87.1
- Dielectric hard hat included
- Optional fan and lamp available

## Jacket/Coat

- Available in 35", 50" or 55" length
- Military collar
- Covered zipper front closure
- Storm flap with Velcro closure
- Nomex wristlets
- 50" or 55" coat requires use of leggings (Shown on page 9)

## Overpants

- No pockets
- 4 way suspenders included
- Belt loops and suspender buttons
- Covered zipper fly with button at waist
- Zipper leg openings with expandable gore

## Protective Hood Options

- Replaceable tinted lens with anti-fog coating
- Lens meets ANSI Z87.1
- Dielectric hard cap included



Hood with Cooling System



Hood with Lamp & Cooling System



Hood with Detachable Lamp



Hood may be used WITH or WITHOUT the cooling system

### Patented Cooling System

- battery powered (8 'AA' batteries included)
- produces 80 cfm of air, for comfort in hot environments
- decreases fogging of lens
- now offered with premium Gray Face Shield on 40 cal lenses



Battery operated headlamp attaches to front crown of hood with VELCRO® (batteries included)

# ArcGear Protective Garment System



Protective Garment System Options Include:

**Hood • Jacket/Coat • Over Pants • Bib Overalls • Leggings**



### Bib Overall

- Adjustable bib straps
- Reach in pockets
- Covered zipper fly enclosure
- 2 button closures at side/ waist
- Zipper leg openings with expandable gore

### Leggings

- 19" length
- Velcro closure
- Pull tab for quick removal
- **Sizing:**
  - LG for 16" - 18" calf
  - XL for 18" - 20" calf
  - 2XL for 20" - 22" calf

### 50" length Coat

See: "Jacket" on page 8 for further description

## Sizing Guide

SIZE CHART	OVER PANTS & BIB OVERALLS (ORDER BY WAIST SIZE)				
WAIST SIZE	SM (30/32)	MD (34/36)	LG (38/40)	XL (42/44)	2XL (46/48)

SIZE CHART	JACKETS & COATS				
CHEST SIZE	SM (36/38)	MD (40/42)	LG (44/46)	XL (48/50)	2XL (52/54)
SLEEVE LENGTH	31	33	34	35	36

### Standard Inseam Fits 30"-34" inseam

SPECIFY OPTIONAL INSEAM IF DESIRED

- **Short** ..... Fits under 30" inseam
- **Long** ..... Fits over 34" inseam

### Optional Lengths

- **Garment Length** ..... 35", 50" and 55"
- \*\* **Special Optional Sleeve Lengths**— **Contact PMMI**

### To assist you in ordering Coats & Leggings

- **Up to 6'2" in height** .....ORDER the 50" Length Coat & Leggings
- **OVER 6'2" and up to 6'5" in height** .....ORDER the 55" Length Coat & Leggings
- **OVER 6'5" in height** .....CONTACT PMMI

# ArcGear Protective Garment System

Protective Garment System Options Include:

**Hood • Jacket/Coat • Over Pants • Bib Overalls • Leggings**

PROTECTIVE GARMENT SYSTEM OPTIONS							
RATING	25 cal/cm <sup>2</sup>	40 cal/cm <sup>2</sup>	40 cal/cm <sup>2</sup>	40 cal/cm <sup>2</sup>	50 cal/cm <sup>2</sup>	75 cal/cm <sup>2</sup>	100 cal/cm <sup>2</sup>
FABRIC	Indura Ultrasoft	Indura Ultrasoft	Nomex Kevlar	Norfab Arc	Indura Ultrasoft	KEVLAR/ Q-ARC	Tuff Weld
COLOUR	Green	Royal Blue	Navy Blue	Grey/Brown	Navy Blue	Yellow	Grey
HOOD	AG25H	AGW40H	AG40H	AGN40H	AG50H	AG75H	AG100H
HOOD W/FLIPLENS		AGW40H3P	AG40H3P	AGN40H3P			
HOOD WITH COOLING SYSTEM	AG25H-A	AGW40H-A	AG40H-A	A6N40H-A	AG50H-A	AG75H-A	AG100H-A
HOOD WITH LAMP	AG25H-L	AGW40-L	AG40-L	AGN40H-L	AG50H-L	AG75H-L	AG100H-L
HOOD WITH COOLING SYSTEM AND LAMP	AG25H-AL	AGW40H-AL	AG40H-AL	AGN40H-AL	AG50H-AL	AG75H-AL	AG100H-AL
35" JACKET	AG25C-35	AGW40C-35	AG40C-35	AGN40C-35	AG50C-35	AG75C-35	AG100C-35
50" COAT	AG25C-50	AGW40C-50	AG40C-50	AGN40C-50	AG50C-50	AG75C-50	AG100C-50
55" COAT	AG25C-55	AGW40C-55	AG40C-55	AGN40C-55	AG50C-55	AG75C-55	AG100C-55
BIB OVERALLS	AG25B	AGW40B	AG40B	AGN40B	AG50B	AG75B	AG100B
OVERPANTS	AG25P	AGW40P	AG40P	AGN40P	AG50P	AG75P	AG100P
LEGGING	AG25L	AGW40L	AG40L	AGN40L	AG50L	AG75L	AG100L
COVERALLS	DGU7 3478	RBUS9432 A02	AG40CV	AGN40CV	AG50CV	AG75CV	
KIT	25KIT__	40KIT__	AG40KIT__	AGN40KIT__	50KIT__	75KIT__	100KIT__



## Arc Flash Suit Kit – 40 cal/cm<sup>2</sup>

Kit includes 40 cal/cm<sup>2</sup> Indura Ultrasoft jacket, overpants, hood, Class 1 glove kit (gloves, leather outers and carry bag) all contained in an Arc Gear Carry Bag. Special kits with gloves and/ or optional clothing available.

Call PMMI for details.



## Now Available – Steel Grip Flip Lens – 40 cal/cm<sup>2</sup>

- All flip lenses come in gray only
  - Fully tested meets ASTM F 2178
- Ultrasoft**      **AGW40H3P**  
**Nomax Kevlar**      **AG40H3P**  
**Norfab Arc**      **AGN40H3P**

### IMPORTANT – PLEASE READ CAREFULLY

All product offered for sale in this price list is warranted to be free of manufacturer's defects upon delivery. Because applications vary, no use warranty is implied or intended. The buyer should make a careful analysis of the use and purpose for which these products are purchased. It is the buyer's duty and responsibility to determine whether these products will adequately protect the wearer or user in the environment in which they are used. There are NO WARRANTIES that extend beyond the description on the face hereof. PMMI International Ltd. and all its suppliers urge users not to guess on the protection required in any situation, and where the user does not know the extent of the hazard, to seek professional help from a person qualified to assess electrical hazards before attempting any job. PMMI International Ltd. and all its suppliers further disclaim and exclude any warranties, whether implied or otherwise, including the implied warranties of merchantability and fitness for any particular intended use, purpose or application. No oral representation inconsistent with the above shall be binding to PMMI International Ltd. or any of its suppliers. No representative of any agency working on behalf of PMMI International Ltd. nor any employee of PMMI International Ltd. has the right to waive any part of this warranty.



# Electrician's Gloves

**PMMI carries a complete stock of NOVAX™ Electrician's gloves in all classes and offers customers recertification of all types and brands of electrician's gloves.**



CSA Z462 requires that all gloves be tested and recertified every six months. Local legislation may require testing more frequently. Check with your local electrical authority or Occupational Health and Safety experts to ensure that your testing regimen meets all provincial requirements.

Gloves are ordered in pairs, or in kits which include rubber gloves, leather protectors, and a carrying bag. Available in straight, contoured and bell cuffs. Call for details.

Class Color	Novax™ Glove Label	Test AC Volts	Use AC Volts	Use DC Volts
00 Beige		2,500	500	750
0 Red		5,000	1,000	1,500
1 White		10,000	7,500	11,250
2 Yellow		20,000	17,000	25,500
3 Green		30,000	26,500	39,750
4 Orange		40,000	36,000	54,000



# Electrician's Gloves

Every single NOVAX™ glove is tested, inspected and packed according to the requirements in ASTM D120 and EN60903. The gloves are numbered individually for traceability and stamped with the factory manufacturing date by ink stamp. Before delivery, all gloves are inspected and marked with the “in service date” or the “expiry date”, as required by the customer.

Part #	Kit #	Colour	Cuff	Size	Length
<b>Class 00 working voltage 500 VAC</b>					
C007	C007K	orange	S	7	11"
C008	C008K	orange	S	8	11"
C009	C009K	orange	S	9	11"
C0010	C0010K	orange	S	10	11"
C0011	C0011K	orange	S	11	11"
C0012	C0012K	orange	S	12	11"
C007B	C007BK	black	S	7	11"
C008B	C008BK	black	S	8	11"
C009B	C009BK	black	S	9	11"
C0010B	C0010BK	black	S	10	11"
C0011B	C0011BK	black	S	11	11"
C0012B	C0012BK	black	S	12	11"
<b>Class 0 working voltage 1000 VAC</b>					
C07	C07K	orange	S	7	11"
C08	C08K	orange	S	8	11"
C09	C09K	orange	S	9	11"
C010	C010K	orange	S	10	11"
C011	C011K	orange	S	11	11"
C012	C012K	orange	S	12	11"
C07B	C07BK	black	S	7	11"
C08B	C08BK	black	S	8	11"
C09B	C09BK	black	S	9	11"
C010B	C010BK	black	S	10	11"
C011B	C011BK	black	S	11	11"
C012B	C012BK	black	S	12	11"
CL07B	CL07BK	black	S	7	14"
CL08B	CL08BK	black	S	8	14"
CL09B	CL09BK	black	S	9	14"
CL010B	CL010BK	black	S	10	14"
CL011B	CL011BK	black	S	11	14"
CL012B	CL012BK	black	S	12	14"

Part #	Kit #	Colour	Cuff	Size	Length
<b>Class 1 gloves- UP TO 7500 VAC</b>					
C17	C17K	orange	S	7	14"
C18	C18K	orange	S	8	14"
C19	C19K	orange	S	9	14"
C110	C110K	orange	S	10	14"
C111	C111K	orange	S	11	14"
C112	C112K	orange	S	12	14"
C17DC	C17DCK	black/orange	S	7	14"
C18DC	C18DCK	black/orange	S	8	14"
C19DC	C19DCK	black/orange	S	9	14"
C110DC	C110DCK	black/orange	S	10	14"
C111DC	C111DCK	black/orange	S	11	14"
C112DC	C112DCK	black/orange	S	12	14"
<b>Class 2 gloves- UP TO 17000 VAC</b>					
C27	C27K	orange	S	7	14"
C28	C28K	orange	S	8	14"
C29	C29K	orange	S	9	14"
C210	C210K	orange	S	10	14"
C211	C211K	orange	S	11	14"
C212	C212K	orange	S	12	14"
C27DC	C27DCK	black/orange	S	7	14"
C28DC	C28DCK	black/orange	S	8	14"
C29DC	C29DCK	black/orange	S	9	14"
C210DC	C210DCK	black/orange	S	10	14"
C211DC	C211DCK	black/orange	S	11	14"
C212DC	C212DCK	black/orange	S	12	14"

Continued on the next page

**Cuffs** S Straight C Contour B Bell

# Electrician's Gloves

Part #	Kit #	Colour	Cuff	Size	Length
<b>Class 2 gloves- UP TO 17000 VAC</b>					
CL27DC	CL27DCK	black/orange	S	7	16"
CL28DC	CL28DCK	black/orange	S	8	16"
CL29DC	CL29DCK	black/orange	S	9	16"
CL210DC	CL210DCK	black/orange	S	10	16"
CL211DC	CL211DCK	black/orange	S	11	16"
CL212DC	CL212DCK	black/orange	S	12	16"
CL28DCB	CL28DCBK	black/orange	B	8	16"
CL29DCB	CL29DCBK	black/orange	B	9	16"
CL210DCB	CL210DCBK	black/orange	B	10	16"
CL211DCB	CL211DCBK	black/orange	B	11	16"
CL212DCB	CL212DCBK	black/orange	B	12	16"
<b>Class 3 gloves- UP TO 26,500 VAC</b>					
C39DC	C39DCK	black/orange	S	9	16"
C310DC	C310DCK	black/orange	S	10	16"
C311DC	C311DCK	black/orange	S	11	16"
C312DC	C312DCK	black/orange	S	12	16"
C39DCB	C39DCBK	black/orange	B	9	16"
C310DCB	C310DCBK	black/orange	B	10	16"
C311DCB	C311DCBK	black/orange	B	11	16"
C312DCB	C312DCBK	black/orange	B	12	16"
CL39DC	CL39DCK	black/orange	S	9	18"
CL310DC	CL310DCK	black/orange	S	10	18"
CL311DC	CL311DCK	black/orange	S	11	18"
CL312DC	CL312DCK	black/orange	S	12	18"
CL39DCB	CL39DCBK	black/orange	B	9	18"
CL310DCB	CL310DCBK	black/orange	B	10	18"
CL311DCB	CL311DCBK	black/orange	B	11	18"
CL312DCB	CL312DCBK	black/orange	B	12	18"
CL39DCC	CL39DCCK	black/orange	C	9	18"
CL310DCC	CL310DCCK	black/orange	C	10	18"
CL311DCC	CL311DCCK	black/orange	C	11	18"
CL312DCC	CL312DCCK	black/orange	C	12	18"

Part #	Kit #	Colour	Cuff	Size	Length
<b>Class 4 gloves- UP TO 36,000VAC</b>					
C49DC	C49DCK	black/orange	S	9	16"
C410DC	C410DCK	black/orange	S	10	16"
C411DC	C411DCK	black/orange	S	11	16"
C412DC	C412DCK	black/orange	S	12	16"
C49DCB	C49DCBK	black/orange	B	9	16"
C410DCB	C410DCBK	black/orange	B	10	16"
C411DCB	C411DCBK	black/orange	B	11	16"
C412DCB	C412DCBK	black/orange	B	12	16"
CL49DC	CL49DCK	black/orange	S	9	18"
CL410DC	CL410DCK	black/orange	S	10	18"
CL411DC	CL411DCK	black/orange	S	11	18"
CL412DC	CL412DCK	black/orange	S	12	18"
CL49DCB	CL49DCBK	black/orange	B	9	18"
CL410DCB	CL410DCBK	black/orange	B	10	18"
CL411DCB	CL411DCBK	black/orange	B	11	18"
CL412DCB	CL412DCBK	black/orange	B	12	18"
CL49DCC	CL49DCCK	black/orange	C	9	18"
CL410DCC	CL410DCCK	black/orange	C	10	18"
CL411DCC	CL411DCCK	black/orange	C	11	18"
CL412DCC	CL412DCCK	black/orange	C	12	18"

# Electrician's Gloves

Part #	Description
LVL__	Low voltage leathers for use with Class 00 and 0 rubber gloves. Add size to end of part number
L-__	High voltage leathers for use with class 1 and 2 14" gloves. Add size to end of part number.
L-__-12	High voltage leather gloves for use with class 3 and 4 gloves where wider fingers are necessary for movement. Add size to middle of part number. For class 4, use leathers 2 sizes larger than your rubber gloves
L-__-14	High voltage gloves for use with class 2, 16" gloves Add size to middle of part number.
INGLOVE	Cotton liner for rubber gloves. String knit style, washable
LINER	Cotton liner for rubber gloves, one size fits all
BAG-13	Storage bag for electrician's gloves- 13" length
BAG-16	Storage bag for electrician's gloves- 16" length
BAG-20	Storage bag for electrician's gloves- 20" length
CPGI	Glove inflator
CPGT-6SB	Glove talc-- 6 oz. squeeze bottle

## What length of leather protector should I use?

In the ASTM standards specifying the characteristics of the protectors there are regulations on how much of the rubber glove can be exposed at the top (near the cuff.) Due to this certain leather protectors are used with specific classes of rubber gloves according to their length.

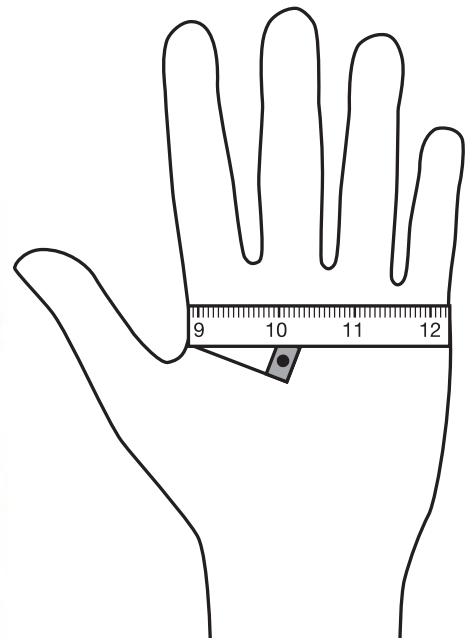
- **Class 00 & 0** should have no less than a ½" gap between the top of the insulating glove to the top of the leather protector.
- **Class 1** should have no less than a 1" gap between the top of the insulating glove to the top of the leather protector.
- **Class 2** should have no less than a 2" gap between the top of the insulating glove to the top of the leather protector.
- **Class 3** should have no less than a 3" gap between the top of the insulating glove to the top of the leather protector.
- **Class 4** should have no less than a 4" gap between the top of the insulating glove to the top of the leather protector



**LINER**



**INGLOVE**



Your glove size is the number of inches around the hand when measured as shown here.

# Rain Gear

## Sentinel

The Sentinel™ excels in joining comfort with durability and protection. While keeping workers safe from electric arcs and flash fires, the durable Sentinel™ material extends the usable life and level of comfort well beyond other raingear.



### Features:

- Waterproof
- Arc and Flame Resistance
- Flash Fire Resistance
- Steam and Hot Water Protection – reduces risk of burn injury from steam and hot water
- Chemical Splash Resistance – minimizes burn injury from splash exposure of certain chemicals.
- Waterproof – protects workers from the elements
- Soft, Flexible – maximizes worker movement and comfort



### Arc Rated – ASTM F1891 & CSA Z462

- Yellow - Arc Rating (ATPV) 14 cal/cm<sup>2</sup>; HAF 87%; Breakopen 28 cal/cm<sup>2</sup>
- Orange - Arc Rating (ATPV) 16 cal/cm<sup>2</sup>; HAF 88%; Breakopen 32 cal/cm<sup>2</sup>

### Flash Fire Rated – ASTM F2733

Part number Fluorescent Yellow	Part number Fluorescent Orange	Description
4503JFYCSA	4503JFOCSA	Waist length jacket w/ hood, fall protection access- CSA striping
4501TFYCSA	4501TFOCSA	Bib overalls with zipper front- CSA striping
4501PFYCSA	4501PFOCSA	Elastic waist pants snap front -CSA striping

# Rain Gear

## ArcLite



### Features:

- Designed specifically for utility workers who may be exposed to electric arcs
- lighter, softer and more comfortable
- feature packed design
- sure to meet the needs of the demanding electric utility industry.
- Waterproof
- Resistant to most acids, salts and alkalies

### Arc Rated – ASTM F1891 & CSA Z462

Available colours:

Yellow (Y), Fluorescent Lime Yellow (FY), Fluorescent Orange (FO), International Orange (BO)

FY - Arc Rating - 7.2 cal/cm<sup>2</sup> ; HAF - 76.3%;  
Breakopen - 30.6 cal/cm<sup>2</sup>

FO - Arc Rating - 7.9 cal/cm<sup>2</sup> ; HAF - 78.6%;  
Breakopen - 30.6 cal/cm<sup>2</sup>

Y: Arc Rating (ATPV) 12 cal/cm<sup>2</sup> ; HAF 80%;  
Breakopen > 36 cal/cm<sup>2</sup>

BO: Arc Rating (ATPV) 16 cal/cm<sup>2</sup> ; HAF 84%;  
Breakopen > 36 cal/cm<sup>2</sup>



Part number Fluorescent Yellow	Part number Fluorescent Orange	Description
1503JFYCSA	1503JFOCSA	Waist length jacket w/ hood, fall protection access- CSA striping
1501TFYCSA	1501TFOCSA	Bib overalls with zipper front- CSA striping
1501PFYCSA	1501PFOCSA	Elastic waist pants snap front -CSA striping

Part Number Orange	Part Number Yellow	Description
1503JFYCSA	1503JFOCSA	Waist length jacket w/ hood, fall protection access- CSA striping
1501TFYCSA	1501TFOCSA	Bib overalls with zipper front- CSA striping
1501PFYCSA	1501PFOCSA	Elastic waist pants snap front -CSA striping

# Banner System

CSA Z 462 says

## 4.3.7.4.11 Physical or mechanical barriers

Physical or mechanical (field-fabricated) barriers shall be installed not closer than the restricted approach boundary distance



**BANNER STAKES PLUS: CART PACKAGE**

Description	Part number
PL4013T	PLUS Cart Package w/Tray, Red "Danger High Voltage Keep Out" Banner
PL4079T	PLUS Cart Package w/Tray, Red "Do Not Enter - Arc Flash Boundary" Banner
PL4013	PLUS Cart Package, Red "Danger High Voltage Keep Out" Banner
PL4079	PLUS Cart Package, Red "Do Not Enter - Arc Flash Boundary" Banner

Banner Tapes are available in French and English.  
Custom tapes are also available.



*PLUS Cart accessory Tray sold separately*

# Banner System



## PLUS CART PACKAGE

- PLUS Cart Package Includes:
  - (1) PLUS Cart
  - (5) PLUS Stanchions
  - (5) PLUS Bases
  - (5) PLUS Banner Heads



## PLUS CART PACKAGE WITH TRAY

- PLUS Cart Package with Tray Includes:
  - (1) PLUS Cart
  - (5) PLUS Stanchions
  - (5) PLUS Bases
  - (5) PLUS Banner Heads
  - (1) Cart Accessory Tray
- Accessory Tray efficiently transports a wide variety of work related materials (ie: small tools, jan/san products, etc) and provides convenient storage to improve organization

- Carts are made of industrial strength metal
- Allows for quick application of up to 75' of barrier system
- Foot lock brake prevents motion when cart is left unattended
- Industrial wheels for easy maneuverability on all types of surfaces
- Cart holds five adjustable-height stanchions with removable spikes (red, orange, yellow, black)
- Cart holds five low-profile Bases (black)
- Cart holds five 15' retractable belts with push-pin lock system
- Velcro tie downs keep Bases firmly in place so they cannot fall or tip with movement
- Foam handle for comfort
- Suitable for indoor/outdoor use
- Rust-Proof





# Winter Wear



## NA09 6160 T05

### Winterwear Jacket

- “All Out” water repellent shell with InsulAir quilted lining
- Zipper front closure
- Inside left breast pocket
- 2 Waist pockets
- Lay down collar
- Wool wristlets set up in sleeves
- Navy Blue colour
- 2” Lime/Silver reflective trim to CSA specifications
- Also available without striping
- Also available in orange - ***special order conditions apply***



## NA09 6165 T02

### Winterwear Bib Overall

- “All Out” water repellent shell with InsulAir quilted lining (not shown here)
- Elastic straps with Fastex buckle closure
- Zipper front
- Full length leg zippers from waist band to bottom of bib overall
- Bib pocket with pencil slot
- Tool pocket on right leg
- Hammer loop on left leg
- 2” Lime/Silver reflective trim around calves
- Also available without striping
- Also available in orange - ***special order conditions apply***



## H74UP11

### Winterwear Hard Hat Liner

- Designed for cold weather conditions
- Tabs to secure inside hard hat
- Bib offers extra coverage around neck
- Adjustable closure

# Winter Wear

## Parka and Bib

- 9oz Westex UltraSoft® outer shell with 12 oz quilted liner.
- Hydrocarbon Flash Fire Standard CGSB 155.20-2000
- CSA Z462
- 41 cal/cm<sup>2</sup>
- 2 chest pockets with pencil pocket on the sleeve
- Storm cuffs and draw string at waist
- Action back
- Optional snap on hood available



## HNC2BK

### Toque

- Designed for cold weather conditions
- Warmth without the weight
- 35 cal/cm<sup>2</sup>

Part number	Description
PIUS	41 cal Ultrasoft Parka with hi vis striping
BIUS	41 cal Ultrasoft bib overall with hi vis striping
HOOD	HOOD for PIUS

# Sizing Clothing Surcharges

## Sizing Surcharges for Clothing

SECONDARY WORKWEAR COVERALLS			
CHEST		AVAILABLE OPTIONS	
36" - 48"	—	SHORT	+5%
50" - 56"	+10%	LONG	+5%
58" - 64"	+20%	TALL	+5%
66" & UP	+50%	See explanation below	
SECONDARY WORKWEAR PANTS			
WAIST		INSEAM	
24" - 44"	—	28" - 34"	—
46" - 52"	+10%	36"	+5%
54" - 58"	+20%		
60" & Up	+50%		
SECONDARY WORKWEAR SHIRTS			
CHEST		AVAILABLE OPTIONS	
S-XL	—	SHORT	+5%
2X-3X	+10%	LONG	+5%
4X-5X	+20%	TALL	+5%
6X and up	+50%	See explanation below	
ARC FLASH COATS — All Calorie Ratings			
CHEST		AVAILABLE OPTIONS	
S-XL	—	Sleeve Length	+5%
2X-3X	+10%		
4X-5X	+20%		
6X and up	+50%		
ARC FLASH OVERPANTS AND BIB OVERALLS — All Calorie Ratings			
WAIST		AVAILABLE OPTIONS	
S-XL	—	SHORT	+5%
2X-3X	+10%	LONG	+5%
4X-5X	+20%		
6X and up	+50%		
<b>ALWAYS CHECK STEEL GRIP SIZING CHARTS TO ENSURE PROPER FIT.</b>			
<b>*SHORT</b>	<b>MINUS 2" IN SLEEVE LENGTH, 1 1/2" IN TAIL LENGTH</b>		
<b>*TALL</b>	<b>ADD 3" TAIL LENGTH ONLY</b>		
<b>*LONG</b>	<b>ADD 2" SLEEVE LENGTH AND 1 1/2" TAIL LENGTH</b>		

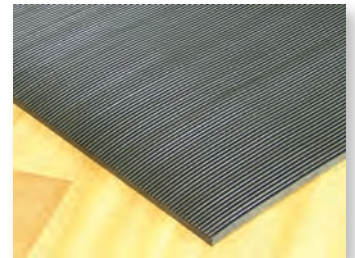
# Insulated Floor Mats

Part Number	Description	Recommended Maximum Usage	Proof Tested	Dielectric Test
<b>AM1</b>	<ul style="list-style-type: none"> <li>Smooth switchboard runner 1/8" thick</li> <li>Meets military spec</li> <li>Flame and Abrasion Resistant</li> <li>Roll is 75' x 3'</li> </ul> <p><b>For less than full roll, use part number AM1EA. Minimum cut 3' x 3'. Price is per running foot. Stock item.</b></p>	<b>3,000 VAC</b>	15,000 VAC	30,000 VAC
<b>AM2</b>	<ul style="list-style-type: none"> <li>Corrugated switchboard runner, 1/4" thick</li> <li>ASTM D178, type 2, class 2</li> <li>Meets ASTM standards for ozone, flame and oil</li> <li>Excellent resistance to commercial and industrial chemicals</li> <li>Grooves trap dust and dirt</li> <li>Roll is 75' x 3'</li> </ul> <p><b>For less than full roll, use part number AM2EA. Minimum cut 3' x 3'. Price is per running foot. Stock item</b></p>	<b>17,000 VAC</b>	20,000 VAC	30,000 VAC
<b>AM3</b>	<ul style="list-style-type: none"> <li>Corrugated switchboard runner, 3/8" thick</li> <li>ASTM D178, type 2, class 3</li> <li>Meets ASTM standards for ozone, flame and oil</li> <li>Excellent resistance to commercial and industrial chemicals</li> <li>Grooves trap dust and dirt</li> <li>Roll is 75' x 3'</li> </ul> <p><b>Non stocked. Available in full rolls only.</b></p>	<b>26,500 VAC</b>	30,000 VAC	40,000 VAC
<b>AM4</b>	<ul style="list-style-type: none"> <li>Corrugated switchboard runner, 1/2" thick</li> <li>ASTM D178, type 2, class 4</li> <li>Meets ASTM standards for ozone, flame and oil</li> <li>Excellent resistance to commercial and industrial chemicals</li> <li>Grooves trap dust and dirt</li> <li>Roll is 3' x 30'</li> </ul> <p><b>Non stocked. Available in full rolls only.</b></p>	<b>36,000 VAC</b>	40,000 VAC	50,000 VAC

Smooth Insulated Mat



Corrugated Insulated Mat



## Class 2 Rubber Insulating Sleeve

- Class 2 Electrical Rated Sleeve
- Natural rubber construction
- Ergonomically designed
- Straps and buttons
- Meets ASTM 496 and 1051
- SIZES: S-XL
- Available black, orange or yellow
- Sold in pairs

Black	195-2
Orange	197-2
Yellow	199-2

# Mats and Blankets

## 25 kA Arc Suppression Blanket

After extensive research into many different combinations and materials, we present the design that provides an optimal barrier against arc blast in enclosed and confined spaces. Our high-quality suppression blanket is available as a standalone item, or in a handy and convenient kit package.



### Blanket Features

- Multi-layer material with reinforced holes for straps
- Meets NFPA 70E-2012
- Tested to ASTM F2676
- Maximum Arc Current  $I_{max} = 25 \text{ kA}$
- $BTP1 = 362 \text{ kA} \cdot \text{cycles}$

### Kit Contents:

- Arc Suppression Blanket
- 4 ft. high-strength Kevlar webbing straps (12 with a 4x5 blanket, 16 with a 4x8)
- Blanket Kit Bag
- Strap bag

Part Number	Description
<b>K25LB4F5F</b>	25 kA ArcGuard Blanket, 4 ft. x 5 ft.
<b>K25LB4F8F</b>	25 kA ArcGuard Blanket, 4 ft. x 8 ft.
<b>K25KIT4F5F</b>	25 kA ArcGuard Blanket Kit, 4 ft. x 5 ft.
<b>K25KIT4F8F</b>	25 kA ArcGuard Blanket Kit, 4 ft. x 8 ft.
<b>ARCSTRAP4F</b>	4 ft. long Strap for Arc Suppression Blanket
<b>ARCSTRAP6F</b>	6 ft. long Strap for Arc Suppression Blanket

Other configurations available—call PMMI for details.



### Voltage Rated Blankets

Part Number	Description
<b>BLANK1EA</b>	1000v rated, sold by the running foot, 3 foot minimum, 3 feet wide
<b>BLANK1</b>	1000v rated, 30 foot roll, 36" wide

### Blanket Features

- Flexible & Easy to Cut
- Flame Resistant — Self Extinguishing
- Flexible to  $-40^{\circ}\text{F/C}$
- Highly Puncture & Tear Resistant
- Meets ASTM F2320 standards

# Aluminized Clothing

Primary protection for workers exposed to radiant heat, molten metal and sparks. Oversized patterns insure proper fit over work clothing.

## FEATURES- ALUMINIZED COAT

- Various lengths with split tail on 50" coat
- Lay down collar, FR cotton lined
- Semi-raglan sleeve for room and comfort
- Covered snap closure
- Snap adjustment at wrists
- Seams are sew-serged and safety stitched for added wear

Material	35" coat	50" coat
19.oz Thermonol	ATH 1136-35	ATH 1136-50
15.oz Rayon	ARL 1136-35	ARL 1136-50
14.oz Carbon Kevlar	AC11 1136-35	AC11 1136-50
7.oz PBI/ Kevlar	APB 1136-35	APB 1136-50



## PANTS FEATURES

- Reinforced waistband, suspender buttons and leather belt loops
- Covered snap fly front closure
- Size: Large through 2XLarge
- Fits 30"-34" inseams
- Order suspenders separately

Material	410 style pants
19 oz Aluminized Thermonol	ATH 410
15 oz Aluminized Rayon	ARL 410
14 oz. Aluminized Carbon/ Kevlar	AC11 410
7 oz. PBI/ Kevlar	APB 410

## HOOD FEATURES

- 19 oz. Aluminized Thermonol
- Swing open 7" x 11" LEXAN® facepiece
- Kwik-Klip for hard cap (WITHOUT HARD CAP)
- KEVLAR® thread sewn
- Replaceable overlays and facepieces available- call for details



Material	410 Hood with hardhat	410 Hood ratchet suspension without hardhat	410 Hood Kwik Klip without hardhat
19.oz Thermonol	ATH 451	ATH 451A	ATH 451B
15.oz Rayon	ARL 451	ARL 451A	ARL 451B
14.oz Carbon Kevlar	AC11 451	AC11 451A	AC11 451B
7.oz PBI/ Kevlar	APB 451	APB 451A 1637 style Hood	APB 451B
14.oz Carbon Kevlar		AC11 1637 B	

# Aluminized Clothing

## GLOVES - HIGH HEAT GLOVES

### FEATURES

- Clute cut,
- set in thumb style
- 11 oz wool lined



Material	23"	18"	14"	11"
22.oz. Thermonol	TH 210-23F	TH210-18F	TH 210-14F	TH 210-11F
32 oz. glass cloth	GL 210-23F	GL210-18F	GL 210-14F	GL 210-11F0

## LEGGINGS FEATURES

### ACK 395-16M

- Springless Style Leggings
- 19 oz. Aluminized CARBON/KEVLAR®
- 16" length, 5" flare
- Rear VELCRO® closure with pull tab for easy removal
- Flare is KEVLAR® thread sewn with a malleable metal instep clamp under flare
- Size: Large through X-Large LG= 16"-18" Calf, XL= 18"-20" Calf



## ALUMINIZED GLOVES FEATURES

- Clute cut,
- set in thumb style
- 11 oz wool lined
- Other lengths available, call PMMI for details



Back Material	Palm material	Length	Part number
15 oz Aluminized rayon	Heat resistant leather	14"	ARL SC 13902-14F
19 oz Aluminized carbon/ kevlar	Heat resistant leather	14"	ACK SC 13902-14F
Aluminized thermonol	Aluminized thermonol	18"	ATH 210-18F
Aluminized thermonol	Thermonol not aluminized	14"	ATH TH 210-14F
Aluminized RAYON	Thermonol not aluminized	14"	ARL TH 210-14F

## KEVLAR SLEEVES

- Lightweight & comfortable 2-ply Kevlar® knit
- Covers from forearm to wrist
- Cut resistant and launderable



Design	18"	14"	10"
Thumb and finger tacks	KT 870-18 AV	KT 870-14 AV	KT 870-10 AV
Thumb tack only	KT 870-18 T	KT 870-14 T	KT 870-10 T
Basic	KT 870-18	KT 870-14	KT 870-10

## WATER RESISTANT CRYOGENIC GLOVES

Proprietary ePTFE/Laminated Nylon



G99CRBER\_ \_WR  
(12" Wrist Standard  
Cryogenic Gloves)



G99CRBER\_ \_MA  
(14" Mid-Arm Standard  
Cryogenic Gloves)



G99CRBER\_ \_EL  
(17" Elbow Standard  
Cryogenic Gloves)



G99CRBER\_ \_SH  
(26" Shoulder Standard  
Cryogenic Gloves)

### FEATURES

Water resistant  
3M™ Scotchlite™ Thinsulate™ liner  
Knit wrist cuffs (WR - wrist length only)

### APPLICATIONS

Laboratory Applications  
Low Temperature Applications  
Liquid Nitrogen Handling  
Blood Banks

Artificial Insemination Clinics  
Food-Service Personnel  
Liquid Oxygen Handling

## ENHANCED GRIP CRYOGENIC GLOVES

Proprietary ePTFE/Laminated Nylon  
Silicone Coated Para-Aramid SaferGrip™ palm and thumb



G99CRSGP\_ \_MA  
(14" Mid-Arm Standard  
SaferGrip™ Glove)



G99CRSGP\_ \_EL  
(17" Elbow Standard  
SaferGrip™ Glove)



G99CRSGP\_ \_SH  
(26" Shoulder Standard  
SaferGrip™ Glove)

### FEATURES

100% Waterproof Liner  
3M™ Scotchlite™ Thinsulate™ Liner  
Waterproof and breathable membrane for additional splash protection. SaferGrip™ silicone coated material in the palm and thumb for enhanced grip and durability

### APPLICATIONS

Laboratory Applications  
Low Temperature Applications  
Liquid Nitrogen Handling  
Blood Banks

Artificial Insemination Clinics  
Food-Service Personnel  
Liquid Oxygen Handling



# Heat Protection



**WC 871-18 A**



**GS 871-18 JC**



**GS 1327-18 DA**

Description	Part number
12 oz. FR cotton whipcord, 18" length elastic top and wrist	WC 871-18 A
9 oz. FR cotton sateen, 18" length elastic top and wrist	GS 871-18 A
9 oz. FR cotton sateen, 18" length Velcro top and elastic wrist	GS 871-18 JC
1 ply 9 oz. FR cotton sateen with inside patch around wrist, 18" length, Velcro at top	GS 1327-18 DA



**GL PB22 211-14 AW06**

- 22 oz. PBI blend
- Glass cloth cuff
- Thermonol palm patch
- Additional NOMEX® ARAMID® palm patch
- 14 oz. wool lining
- 14" length

BASED ON INTERMITTENT PRODUCT HANDLING					
*TEMP* RANGES	MATERIAL	LOW	MODERATE	GOOD	HIGH
2000° F	ICONEL WIRE				X
	PB45				X
1500° F	PB30				X
	PB22			X	
	GLP			X	
1000° F	GL			X	
	TH			X	
500° F	KV5		X		
	LEATHER	X			

**\*\* TEMPERATURE RANGES IDENTIFY APPROXIMATE FABRIC TOLERANCE LEVELS CONTACT PMMI FOR SPECIFIC APPLICATION ASSISTANCE.**

**For other applications and products/styles please call PMMI**

**TH 7614R-8 CA**

- Reversible Cover Mitts
- Open ended, full thumb, fits over most gloves 8" length

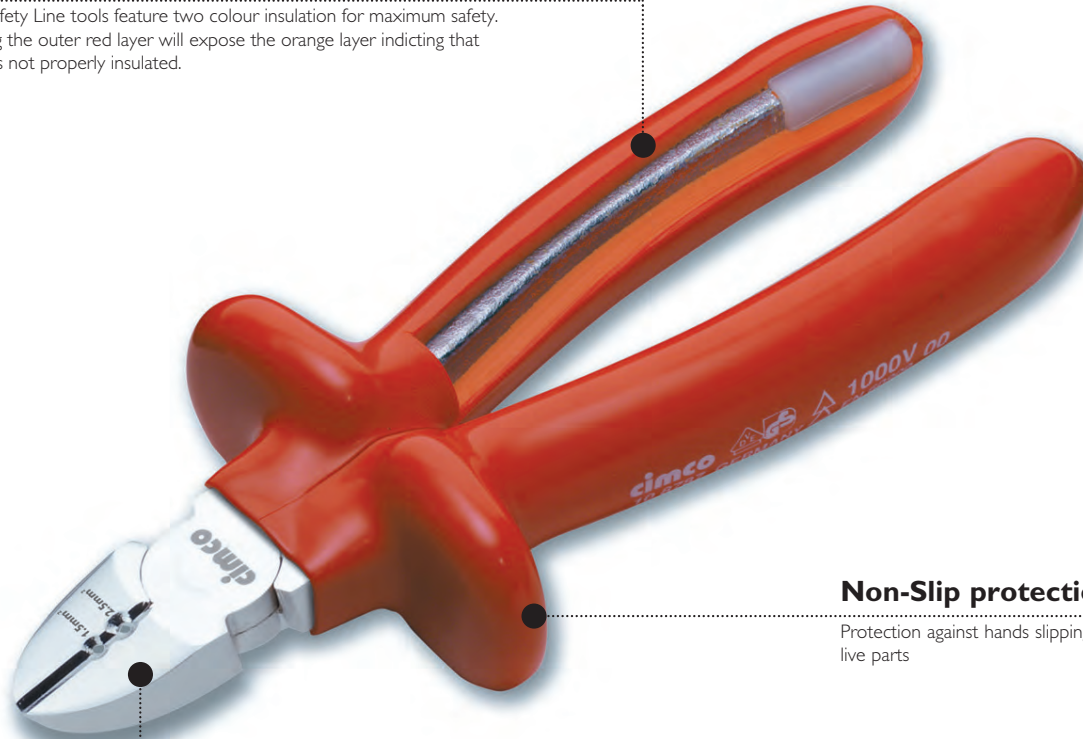


# Insulated Safety Tools — Personal Protective Equipment



## Insulation

Cimco Safety Line tools feature two colour insulation for maximum safety. Damaging the outer red layer will expose the orange layer indicating that the tool is not properly insulated.



## Non-Slip protection

Protection against hands slipping towards live parts

## Testing

All tools are routinely tested according to IEC60900-2004 with 10,000 V testing voltage.

## SafetyLine – Safety pliers with 1,000 volt protective insulation

Smooth movement and ergonomically designed handles make CIMCO the choice of professionals all over the world. All tools feature tool steel alloys hardened in oil. All edges are induction hardened and finished in highly polished chrome plating. Our two colour insulation provides excellent non-slip protection even when wet or dirty. It is also impervious to extreme temperatures, vibration, sweat, salt water, oil and most chemicals.

## 10 years durability-warranty

Every Safety Line tool carries a 10 year warranty against defects in materials or workmanship. See your CIMCO dealer for details.

## 1.000 Volt-protective insulation according to VDE

Safety Line series tools meet all criteria for IEC900, IEC60900:2004 and VDE 0682/part 201. Ten different quality checks are made on the insulation on these tools and all pliers are tested individually for blow out and flashover in a water bath with a test voltage of 10,000 V.



**Our two colour insulation provides excellent nonslip protection even when wet or dirty. It is also impervious to extreme temperatures, vibration, sweat, salt water, oil and many chemicals.**

# Insulated Safety Tools — Personal Protective Equipment



Ergonomically shaped grips with a modern two-colour-design, made from top-quality thermoplastic plastics with outstanding properties. Non-adhesive, anti-slip surface, warm and soft hand feeling, excellent skin digestibility, insulation against high and low temperatures, electricity, shocks and vibrations. Resistant to sweat, salt water, lubricants and many other chemicals and UV-rays.

**NEW**

## 1000 V Heavy duty side-cutter

According to DIN ISO 5749 A, laid on joint, precision cutting edges, induction hardened (approx. 64 HRC), for all wires (also piano wire), made of Electro-steel

145 (5,5")	6	10 0524
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160 (6")	6	10 0526
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200 (8")	6	10 0528
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**NEW**

## 1000 V Side cutter

According to DIN ISO 5749 B, lap joint, precision cutting edges, induction hardened (approx. 64 HRC), for all wires (also piano wire), made of Electro-steel

130 (5")	6	10 0570
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145 (5,5")	6	10 0572
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160 (6")	6	10 0574
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180 (7")	6	10 0577
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**NEW**

## 1000 V Side cutter with wire stripper

Lap joint, precision cutting edges, induction hardened (approx. 64 HRC), for hard, medium hard and soft wire, additionally with two stripping stations for solid and multiwire conductors 1,5 mm<sup>2</sup> and 2,5 mm<sup>2</sup>

160 (6")	6	10 0652
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**NEW**

## Lead seal plier with side cutter

Lap joint, precision cutting edges, induction hardened (approx. 64 HRC), for all wires (also piano wire), made of Electro-steel, with dies 8 mm dia.

160 (6")	6	10 0030
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single dies	8 mm ø	1 pair	10 1732
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**NEW**

## 1000 V Heavy duty top cutter

According to DIN ISO 5748, laid on joint, precision cutting edges, induction hardened (approx. 64 HRC), for all wires (also piano wire), made of Electro-steel

200 (8")	6	10 0402
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**NEW**

## 1000 V Combination pliers

According to DIN ISO 5746, lap joint, precision cutting edges, induction hardened (approx. 64 HRC), for all wires (also piano wire), made of special tool steel, with conical serrated inside jaws and serrated opening

160 (6")	6	10 0334
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185 (7")	6	10 0336
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200 (8")	6	10 0338
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# Insulated Safety Tools — Personal Protective Equipment

**NEW**

## 1000 V Wire stripping plier

lap joint, with adjusting screw, for solid or multiwire conductors up to 5 mm ø resp. 0,75 mm<sup>2</sup> up to 6 mm<sup>2</sup>, with inside opening spring

160 (6")	6	10 0686
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## 1000 V Telephone pliers with straight jaws

According to DIN ISO 5745, lap joint, precision cutting edges, induction hardened (approx. 64 HRC), long, flat-round jaws, serrated inside jaws and serrated opening, with cutting edges for hard and soft wire

145 (5,5")	6	10 0212
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160 (6")	6	10 0214
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200 (8")	6	10 0216
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**NEW**

## 1000 V Telephone pliers with round jaws

According to DIN 5745, lap joint, 45° angled jaws, long, flat-round jaws, precision cutting edges, induction hardened (approx. 64 HRC), serrated inside jaws and serrated opening, with cutting edges for hard and soft wire

160 (6")	6	10 0236
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200 (8")	6	10 0238
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**NEW**

## 1000 V Long flat nose pliers

According to DIN 5745, lap joint, long, flat jaws, length of jaws 50 mm, serrated inside jaws

160 (6")	6	10 0024
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**NEW**

## 1000 V Long round nose pliers

According to DIN 5745, lap joint, long, round jaws, length of jaws 50 mm, serrated inside jaws

160 (6")	6	10 0062
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**NEW**

## Engineers pliers

Without VDE-proofed 1000 V insulation, with precision box-joint, length of jaws 75 mm, serrated inside jaws with light diagonal serrated jaws

straight, flat-round jaws	190 (7,5")	6	10 0082
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flat-round jaws, 45° angled	190 (7,5")	6	10 0086
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straight, flat-wide jaws	190 (7,5")	6	10 0090
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flat-wide jaws, 45° angled	190 (7,5")	6	10 0094
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**NEW**

## Water pump pliers

According to DIN ISO 8976, with box-joint, self-clamping on the tool, with serrated opening, chrome-vanadium steel

without handles	250 (10")	10	10 1222
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with handles	250 (10")	6	10 1224
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**NEW**

## 1000 V Plier set, 4 pieces

Heavy Duty Side Cutter	200 (8")		10 0528
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Telephone Plier with straight jaws	200 (8")		10 0216
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Combination Plier	185 (7")		10 0336
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Wire Stripping Plier	160 (6")		10 0686
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		1	10 4020
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# Insulated Safety Tools — Personal Protective Equipment

## Plier set, 3 pieces

Water Pump Plier	250 (10")		10 1224
Telephone Plier with 45° angled jaws	200 (8")		10 0238
Side Cutter	160 (6")		10 0574
		1	10 4022



**Cimco pliers feature two colour insulation for maximum safety. Damaging the outer red insulation layer will expose the orange layer, indicating that the tool is not properly insulated.**

## 1000 V Side cutter

According to DIN ISO 5749 B, lap joint, precision cutting edges, induction hardened (approx. 64 HRC), for all wires (also for piano wire), made of Electro-steel

	145 (5,5")	6	10 8785
	160 (6")	6	10 8786
	180 (7")	6	10 8787
	250 (10")	6	10 8788

## 1000 V Side cutter with wire stripper

Lap joint, precision cutting edges, induction hardened (approx. 64 HRC), for hard, medium hard and soft wire, additionally with two stripping stations for solid and multiwire conductors 1,5 mm<sup>2</sup> and 2,5 mm<sup>2</sup>

	160 (6")	6	10 8792
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## 1000 V Heavy duty side cutter

According to DIN ISO 5749 A, laid on joint, precision cutting edges (approx. 64 HRC), for all wires (also for piano wire), made of Electro-steel

	160 (6")	6	10 8789
	200 (8")	6	10 8784

## 1000 V side cutter

DIN ISO 5749, for soft and hard wires, precision blades with facets

	145 (5,5")	1	10 8785
	160 (6")	1	10 8786
	180 (7")	1	10 8787
	250 (10")	1	10 8788



**NEW**

## 1000 V Ratchet Ring Spanner

According to DIN 3110 / ISO 3318 (torque) made of chrome vanadium steel. Fine-toothed ratchet mechanism (72 teeth) and a pivot of 5° (angle side). Clockwise and counter-clockwise movement by simple turning over of the spanner. Spanner widths

10 mm	Weight 56 g	1	11 2740
13 mm	Weight 80 g	1	11 2742
14 mm	Weight 56 g	1	11 2744
17 mm	Weight 80 g	1	11 2746
19 mm	Weight 56 g	1	11 2748



# Insulated Safety Tools — Personal Protective Equipment

## 1000 V wire stripper/side cutter

precision blades with facets, length of blades 12 mm, for hard wire up to 1,8 mm diameter, semi-hard wire up to 2,5 mm diameter and soft wire up to 4 mm diameter. Two stripping positions for large and multiwire conductors 1,5 mm<sup>2</sup> and 2,5 mm<sup>2</sup>, weight 220 g

160 (6")	I	10 8792
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## 1000 V heavy duty diagonal cutter

DIN ISO 5749, with offset precision-blade, for hardened steel wire (piano wire), hard wire and semi-hard wire, weight 250 g.

170 (6,5")	I	10 8789
200 (8")	I	10 8784

## 1000 V heavy duty end cutter

DIN ISO 5745, lay-on joint, length of blades 23 mm, for hardened steel wire (piano wire) up to 1,8 mm diameter, hard wire up to 2,5 mm diameter and semi-hard wire up to 3 mm diameter, weight 250 g

160 (6")	I	10 8795
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## 1000 V flat nose plier

DIN ISO 5745, flat jaws (long nose plier), length of jaws 50 mm, serrated gripping surfaces, weight 160 g

160 (6")	I	10 8771
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## 1000 V round nose plier

DIN ISO 5745, long, round jaws (long nose plier), length of jaws 50 mm, smooth gripping surfaces, weight 140 g

160 (6")	I	10 8773
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## 1000 V needle nose pliers with straight jaws

DIN ISO 5745, long, flat round jaws, serrated gripping surfaces, with blades for semi-hard and soft wire

160 (6")	I	10 8779
200 (8")	I	10 8778

## 1000 V needle nose pliers with bent jaws

DIN ISO 5745, long, flat round jaws (flat round nose pliers), jaws 45° angled, serrated gripping surfaces, with blades for semi-hard and soft wire

160 (6")	I	10 8777
200 (8")	I	10 8780

## 1000 V combination Lineman's pliers

DIN ISO 5746, strong, short jaws with facets and pipe grip, serrated gripping surfaces, with protuberant blades for flush cutting, for hard and semi-hard wire

165 (6")	I	10 8781
185 (7")	I	10 8782
200 (8")	I	10 8783

## 1000 V water pump pliers

DIN ISO 8976, with five position adjustable double-groove slip joint

250 (10")	I	10 8724
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## 1000 V wire stripper

with set screw to adjust to the diameter of wire or cord, for large and multiwire conductors up to 5 mm diameter resp. from 0,75 to 6 mm<sup>2</sup>

160 (6")	I	10 8790
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# Insulated Safety Tools — Personal Protective Equipment

## 1000 V safety pliers assortment

Handles with double dip coating

round nose pliers, unbent	200 (8")	10 8778
Combination plier	185 (7")	10 8782
Heavy duty diagonal cutter	200 (8")	10 8784
Wire stripper	160 (6")	10 8790
	1	10 8002


## 1000 V flat nose pliers


Specially adapted for meter assembly

200	6	10 0796
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## Insulated tweezers with 1000 V protection insulation

With 2-layer-safety-insulation and slip-protection, tested according to DIN EN 60900

 1000 V	145	1	10 3232
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 1000 V	145	1	10 3240
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## Insulated screwdrivers

**IEC 60900:2004, classification VDE 0682, part 201.**  
**Individually tested to a testing voltage of 10,000 V.**

### electricians screwdrivers

DIN 7437

2,5 x 0,4	75	160	12	11 7701
3,0 x 0,5	100	185	12	11 7702
3,5 x 0,6	100	185	12	11 7703
4,0 x 0,8	100	185	12	11 7704
5,5 x 1,0	125	220	12	11 7705
6,5 x 1,2	150	245	12	11 7706
8,0 x 1,2	175	285	12	11 7708
10,0 x 1,6	200	310	12	11 7710

### Philips screwdrivers

DIN 7438

PH 0	60	145	12	11 7730
PH 1	80	165	12	11 7731
PH 2	100	195	12	11 7732
PH 3	150	260	12	11 7733

### Pozidrive screwdrivers

PZ 0	60	145	12	11 7740
PZ 1	80	165	12	11 7741
PZ 2	100	195	12	11 7742
PZ 3	150	260	12	11 7743

### special screwdrivers with combination profile

for combined slotted/recessed head screws in electrical installations, i.e. terminal blocks

PZ 1	80	165	12	11 7751
PZ 2	100	195	12	11 7752
Set PZ 1 and PZ 2 (Nr. 11 7751 and 11 7752)			1	11 7750



 1000 V



# Insulated Safety Tools — Personal Protective Equipment

## Hexagon socket head (Allen wrench)

DIN 7439

SW 3	75	160	12	7823
SW 4	75	160	12	7824
SW 5	75	170	12	7825
SW 6	100	195	12	7826
SW 8	100	210	12	7828

## TORX®-screwdrivers

T 8	60	145	12	7908
T 9	60	145	12	7909
T 10	60	155	12	7910
T 15	75	170	12	7915
T 20	100	195	12	7920
T 25	100	195	12	7925
T 30	100	210	12	7930

## Nut driver

DIN 7445

SW 5,5	125	220	10	7805
SW 6	125	220	10	7806
SW 7	125	235	10	7807
SW 8	125	235	10	7808
SW 9	125	235	10	7809
SW 10	125	235	10	7810
SW 11	125	235	10	7811
SW 13	125	235	10	7813

## Screwdriver assortments

### Electricians screwdriver assortment – 7-part

VDE-electricians screwdrivers for slotted screws

2,5 x 0,4 x 75	7701
3,0 x 0,5 x 100	7702
4,0 x 0,8 x 100	7704
5,5 x 1,0 x 125	7705

VDE-Philips screwdrivers

PH 1 x 80	7731
PH 2 x 100	7732

VDE-voltage tester - 120-240 V

	7800
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### Slot screwdriver assortment – 5-part

VDE-electricians screwdrivers for slotted screws

2,5 x 0,4 x 75	7701
3,5 x 0,6 x 100	7703
4 x 0,8 x 100	7704
5,5 x 1,0 x 125	7705
6,5 x 1,2 x 150	7706

	7700
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### Philips/Pozidrive screwdriver assortment – 6-part

VDE-crosshead screwdrivers

PH 1 x 80	7731
PH 2 x 100	7732
PH 3 x 150	7733
PZ 1 x 80	7741
PZ 2 x 100	7742
PZ 3 x 150	7743

	7745
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### Robertson screw drivers

1	100	7753
2	125	7754
3	150	7755



1000 V



NEW



# Insulated Safety Tools — Personal Protective Equipment

## Hexagon socket head assortment – 5-part

VDE-hexagon socket head wrenches

SW 3 x 75	7823
SW 4 x 75	7824
SW 5 x 75	7825
SW 6 x 100	7826
SW 8 x 100	7828
	7820



## TORX® screwdrivers assortment – 5-part

VDE-TORX-screwdrivers

T 8 x 60	7908
T 10 x 60	7910
T 15 x 75	7915
T 20 x 100	7920
T 25 x 100	7925
	7900



## Nut driver assortment – 5-part

VDE-socket wrenches

SW 5,5 x 125	7805
SW 7 x 125	7807
SW 8 x 125	7808
SW 10 x 125	7810
SW 13 x 125	7813
	7801



## Electronics safety screwdrivers assortment – 7-part

IEC 60900:2004

Blade, insulation and handle are inseparably connected to each other;

Routinely for slotted screws

1,5 x 0,3 x 40	140	2000
1,8 x 0,3 x 60	160	2002
2,0 x 0,4 x 60	160	2004
2,5 x 0,4 x 75	175	2006
3,0 x 0,5 x 75	175	2008

For recessed head screws Phillips

PH 00 x 40	140	2020
PH 0 x 60	160	2022
		2050



1000 V



# Insulated Safety Tools — Personal Protective Equipment

1000 V 

Tested according to DIN EN 60900/VDE 0680 part 2, bicoloured double dip-coated insulation

## Offset screwdrivers



DIN 7439, made of chrome vanadium steel, for screws with hexagon socket

	1000 V	SW 5		I	II	0804
	1000 V	SW 6		I	II	0806



## T-handle screwdrivers - hex head

Made of chrome vanadium steel



	1000 V	SW 5	160	I	II	0812
	1000 V	SW 6	160	I	II	0814
	1000 V	SW 8	160	I	II	0816
	1000 V	SW 10	160	I	II	0817



## T-socket wrench




DIN 7440, made of vanadium-molybdenum-steel, for hexagon nuts,

Shaft 200 mm, handle 160 mm

	1000 V	SW 13		I	II	0836
	1000 V	SW 17		I	II	0840
	1000 V	SW 19		I	II	0842



Shaft 300 mm, handle 160 mm












	1000 V	SW 13		I	II	0856
	1000 V	SW 17		I	II	0860
	1000 V	SW 19		I	II	0862



## 3/8" DRIVE TOOLS

### Hexagon sockets - metric













DIN 7448, 3/8" drive

	1000 V	SW 8	28	I	II	2520
	1000 V	SW 10	28	I	II	2522
	1000 V	SW 11	28	I	II	2523
	1000 V	SW 13	28	I	II	2525
	1000 V	SW 14	28	I	II	2526
	1000 V	SW 15	28	I	II	2527
	1000 V	SW 16	28	I	II	2528
	1000 V	SW 17	28	I	II	2529
	1000 V	SW 18	28	I	II	2530
	1000 V	SW 19	28	I	II	2531
	1000 V	SW 22	28	I	II	2534



### Hexagon sockets - SAE

DIN 7448, 3/8" drive

	1000 V	3/8"		I		119601
	1000 V	5/16"		I		119602
	1000 V	7/16"		I		119603
	1000 V	1/2"		I		119604
	1000 V	9/16"		I		119605
	1000 V	19/32"		I		119606
	1000 V	5/8"		I		119607
	1000 V	11/16"		I		119608
	1000 V	3/4"		I		119609
	1000 V	25/32"		I		119610
	1000 V	7/8"		I		119611
	1000 V	15/16"		I		119612



# Insulated Safety Tools — Personal Protective Equipment

## Hexagon sockets “deep” - SAE

For screws with hexagon socket

	1000 V	3/8”	I	119616
	1000 V	7/16”	I	119617
	1000 V	1/2”	I	119618
	1000 V	9/16”	I	119619
	1000 V	19/32”	I	119620
	1000 V	5/8”	I	119621
	1000 V	11/16”	I	119622
	1000 V	3/4”	I	119623
	1000 V	15/16”	I	119624



1000 V



## Hex screw sockets - metric

For screws with hexagon socket

	1000 V	SW 4	65	I	112560
	1000 V	SW 5	65	I	112561
	1000 V	SW 6	65	I	112562
	1000 V	SW 8	65	I	112563
	1000 V	SW 10	65	I	112564



## Hex screw sockets - SAE

For screws with hexagon socket

	1000 V	5/32”	I	119674
	1000 V	5/16”	I	119677
	1000 V	3/8”	I	119678



## Reversible ratchet DIN 7449 3/8” drive

	1000 V	190	I	112570
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## Extension DIN 7434 3/8” drive

	1000 V	125	I	112575
	1000 V	250	I	112576



## T-handle DIN 7436

	1000 V	200	I	112580
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## 1/2” DRIVE TOOLS

### Socket wrench

DIN 7448

















	1000 V	SW 10	50	I	112600
	1000 V	SW 11	50	I	112602
	1000 V	SW 12	50	I	112604
	1000 V	SW 13	50	I	112606
	1000 V	SW 14	50	I	112608
	1000 V	SW 15	50	I	112609
	1000 V	SW 16	50	I	112611
	1000 V	SW 17	50	I	112610
	1000 V	SW 18	50	I	112613
	1000 V	SW 19	50	I	112612
	1000 V	SW 20	50	I	112615
	1000 V	SW 21	50	I	112617
	1000 V	SW 22	50	I	112614
	1000 V	SW 24	50	I	112616
	1000 V	SW 27	50	I	112618
	1000 V	SW 32	50	I	112622



# Insulated Safety Tools — Personal Protective Equipment

## Hexagon socket “deep” - metric















DIN 7448

	1000 V	10mm	I	119700
	1000 V	11mm	I	119701
	1000 V	12mm	I	119702
	1000 V	13mm	I	119703
	1000 V	14mm	I	119704
	1000 V	15mm	I	119705
	1000 V	16mm	I	119706
	1000 V	17mm	I	119707
	1000 V	18mm	I	119708
	1000 V	19mm	I	119709
	1000 V	20mm	I	119710
	1000 V	21mm	I	119711
	1000 V	22mm	I	119712
	1000 V	24mm	I	119713
	1000 V	27mm	I	119714
	1000 V	32mm	I	119715



## Hexagon sockets - SAE

DIN 7448

	1000 V	3/8"	I	119625
	1000 V	7/16"	I	119626
	1000 V	1/2"	I	119627
	1000 V	9/16"	I	119628
	1000 V	19/32"	I	119629
	1000 V	5/8"	I	119630
	1000 V	11/16"	I	119631
	1000 V	3/4"	I	119632
	1000 V	25/32"	I	119633
	1000 V	7/8"	I	119634
	1000 V	15/16"	I	119635
	1000 V	1"	I	119636
	1000 V	1 1/16"	I	119637
	1000 V	1 1/4"	I	119638



## Hexagon sockets “deep” - SAE






For screws with hexagon socket

	1000 V	3/8"	I	119639
	1000 V	7/16"	I	119640
	1000 V	1/2"	I	119641
	1000 V	9/16"	I	119642
	1000 V	19/32"	I	119643
	1000 V	5/8"	I	119644
	1000 V	11/16"	I	119645
	1000 V	3/4"	I	119646



## Hexagon screw sockets - metric

For screws with hexagon socket

	1000 V	SW 4	70	I	112670
	1000 V	SW 5	70	I	112671
	1000 V	SW 6	70	I	112672
	1000 V	SW 8	70	I	112673
	1000 V	SW 10	70	I	112674



## Hexagon screw sockets - SAE

For screws with hexagon socket



	1000 V	5/32"	I	119679
	1000 V	13/64"	I	119680
	1000 V	15/64"	I	119681
	1000 V	5/16"	I	119682
	1000 V	3/8"	I	119683



# Insulated Safety Tools — Personal Protective Equipment

## Reversible ratchet 1/2" drive




DIN 7449

  1000 V	250	I	2628
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1/2

## Extensions 1/2" drive



DIN 7434

  1000 V	125	I	2640
  1000 V	250	I	2642

1/2

## T-handle



DIN 7436

  1000 V	200	I	2650
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1/2



## Torque wrench

Fully insulated DIN EN 60900, VDE 0680/2, with integrated reversible ratchet, adjustable from 5 – 50 Nm  
3/8" drive

  1000 V	5 - 50 Nm	370	I	2581
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3/8



































1/2" drive

  1000 V	5 - 50 Nm	370	I	9900
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1/2

## Open- ended wrenches

DIN 7446, made of chrome vanadium steel, 15° cranked

  1000 V	SW 8	105	I	2704
  1000 V	SW 9	105	I	2706
  1000 V	SW 10	105	I	2708
  1000 V	SW 11	115	I	2710
  1000 V	SW 12	125	I	2712
  1000 V	SW 13	132	I	2714
  1000 V	SW 14	140	I	2716
  1000 V	SW 15	150	I	2718
  1000 V	SW 16	160	I	2719
  1000 V	SW 17	160	I	2720
  1000 V	SW 18	165	I	2721
  1000 V	SW 19	170	I	2722
  1000 V	SW 22	195	I	2724
  1000 V	SW 24	220	I	2726
  1000 V	SW 27	230	I	2728
  1000 V	SW 30	240	I	2730
  1000 V	SW 32	240	I	2732

## Open- ended wrenches

DIN 7446, made of chrome vanadium steel, 15° cranked
















  1000 V	5/16"	I	119647
  1000 V	11/32"	I	119648
  1000 V	3/8"	I	119649
  1000 V	7/16"	I	119650
  1000 V	1/2"	I	119651
  1000 V	9/16"	I	119652
  1000 V	19/32"	I	119653
  1000 V	5/8"	I	119654
  1000 V	11/16"	I	119655
  1000 V	3/4"	I	119656
  1000 V	15/16"	I	119657
  1000 V	1"	I	119658
  1000 V	1 1/16"	I	119659
  1000 V	1 1/4"	I	119660



# Insulated Safety Tools — Personal Protective Equipment

## Box wrench












DIN 7447, made of chrome vanadium steel, deep-offset

	1000 V	SW 8	155	I	2754
	1000 V	SW 10	165	I	2758
	1000 V	SW 11	175	I	2760
	1000 V	SW 12	185	I	2762
	1000 V	SW 13	190	I	2764
	1000 V	SW 14	200	I	2766
	1000 V	SW 15	210	I	2768
	1000 V	SW 16	210	I	2769
	1000 V	SW 17	210	I	2770
	1000 V	SW 18	220	I	2771
	1000 V	SW 19	230	I	2772
	1000 V	SW 22	250	I	2774
	1000 V	SW 24	270	I	2776
	1000 V	SW 27	300	I	2778
	1000 V	SW 30	300	I	2780



## Box wrench

DIN 7447, made of chrome vanadium steel, deep-offset

	1000 V	5/16"		I	119661
	1000 V	3/8"		I	119662
	1000 V	7/16"		I	119663
	1000 V	1/2"		I	119664
	1000 V	9/16"		I	119665
	1000 V	19/32"		I	119666
	1000 V	5/8"		I	119667
	1000 V	11/16"		I	119668
	1000 V	3/4"		I	119669
	1000 V	15/16"		I	119670
	1000 V	1"		I	119671



## 1000 V cable knife

With straight blade

<b>Blade length 50 mm</b>	I	12 0042
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## 1000 V cable knife

With straight blade and insulated blade back

<b>Blade length 50 mm</b>	I	12 0043
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## 1000 V cable knife

With hook-shaped blade

<b>Blade length 35 mm</b>	I	12 0044
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## 1000 V cable knife

**Blade length 50 mm**

I 12 0045

## 1000 V cable knife

With hook-shaped blade and protective knob

<b>Blade length 40 mm</b>	I	12 0046
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# Insulated Safety Tools — Personal Protective Equipment

## 1000 V safety cable knife

With insulated blade back and foldable, in handle blade protection

With interchangeable blade

Blade length 50 mm	I	12 0064
Interchangeable spare blade		
Blade length 50 mm	I	12 0066



## Automatic stripping tongs SAFETY STRIP

For flexible cords and large conductors from 0,2 to 6 mm<sup>2</sup>, tested according to DIN EN 60 900:2004, automatic adjustment to diameter of conductor, integrated length stop and closer for transport and storage

	I	10 0762
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## 1000 V “One hander” high leverage wire cutters

With double dip-coated special handle jackets, high-gloss polished chromium-plate

For cables ø massive mm<sup>2</sup> flexible mm<sup>2</sup>

16 mm	16	50	160	I	12 0206
25 mm	25	70	200	I	12 0202



## Cable cutter, 1000 V

For cables ø profile mm<sup>2</sup>

26 mm	120	600	I	12 0158
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## 1000 V mini hack saw frame

Fully insulated

Span 150 mm	250	I	12 0700
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## 1000 V hack saw frame

Fully insulated

Spann 300 mm	450	I	12 0702
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## Switch cabinet keys made of metal

A great little tool for opening panels on European production machinery.






These panels are often found on printing presses and other specialty machinery. This key opens them all!

Slotted screws 1,0 x 7,0 mm



Crosshead screws PH 2



 7 - 8 mm	 6 mm	 5 mm		
 7 - 8 mm	 3 - 5 mm			
Universal switch cabinet key	I	II	2894	
Switch cabinet key-box	I	II	2898	



# Insulated Safety Tools — Personal Protective Equipment

## Universal cable jacket cutter

For removing all insulating layers of cables from 25 mm diameter; i.e. lead sheath, rubber, PE, PVC  
Cutting depth adjustable from 0,5 – 5 mm  
For lengthwise and circular cuts, in plastic case, interchangeable blade.

	I	12 0002
Spare knife	I	12 0003



## Wire stripper KABIFIX

for lengthwise and circular cuts. For slitting and stripping cables from 6 to 28 mm diameter (up to 40), even for cutting off PVC-tubes, interchangeable blade.

	I	12 0030
Spare blade	10	12 0032



## Wire stripper ROTAX 29

Professional wire stripper for circular, lengthwise, and spiral cuts in cables from 4,5 to 29 mm diameter. Because of the unique spiral cut even difficult insulation (i.e. rubber, butyl) can be removed without problems. Depth of cut adjustable, extra robust plastic body and extra sharp, interchangeable blade.

4,5 – 29 mm diameter	140	I	12 0036
Spare blade		I	12 0038



## Wire stripper MULTISTRIPPER

New tool for working on all round cables from 8 to 13 mm diameter:  
barring: circular and lengthwise cuts as well as flush stripping even in locations difficult to access, as i.e. in ceiling and wall area, in distribution and junction boxes.

Stripping: flexible and large conductors 0,5 – 0,75 – 1,5 – 2,4 – 4 – 6 mm<sup>2</sup>  
Cutting off: large conductors up to 4 mm<sup>2</sup>, flexible conductors up to 6 mm<sup>2</sup>

	I	12 0021
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## »»JOKARI«« - Super-stripper

Titanium nitride coated for durability and sharpness.

With circular and lengthwise cutter, stripping device and retractable add-on blade

Barring: cables from 8 – 13 mm diameter; i.e.: 7 x 1,5 or 5 x 2,5 mm<sup>2</sup>

Stripping: 0,2 – 0,3 – 0,8 mm diameter; 1,5 – 2,5 - 4 mm<sup>2</sup>

	I	12 0025
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TiN



## »»JOKARI«« - universal-cable stripper

Titanium nitride coated for durability and sharpness. For all usual cables from 8 – 13 mm diameter  
Especially applicative on locations difficult to access

	I	12 0028
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TiN



## »»JOKARI«« - flat cable stripper

For all flat and oval cables up to 12 mm width, stripping of conductors and flexible strands  
0,75 mm<sup>2</sup> – 1,5 mm<sup>2</sup> – 2,5 mm<sup>2</sup>

	I	12 0029
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## »»JOKARI«« - PC-STRIP

Titanium nitride coated for durability and sharpness. Special barring and stripping tool for data and control cables, telecommunication cables, system cables.

Barring: cables from 5,5 – 15 mm diameter

Stripping: conductors from 0,2 . 4,0 mm<sup>2</sup> or AWG 26 – 11

	I	12 0034
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TiN





# Insulated Safety Tools — Personal Protective Equipment

## single-hand cable snip

For copper and aluminium-cables, very good cutting power, clean cut without deformation, die forged, with precision-grinding, adjustable screw-joint, 2-component-plastic-handle jackets

for cable diameter	large mm <sup>2</sup>	flexible mm <sup>2</sup>			
16 mm	16	50	160	6	12 0204

## 1000 V single-hand cable snip

For copper and aluminium cables, very good cutting-power, clean cut without deformation, double insulated

for cable diameter	large mm <sup>2</sup>	flexible mm <sup>2</sup>			
16 mm	16	50	160	6	12 0206

## “One hander” cable snip

For copper and aluminium-cables, very good cutting power, clean cut without deformation, closed die forged, with precision-grinding, adjustable screw-joint, 2 component plastic handle jackets

for cable diameter	large mm <sup>2</sup>	flexible mm <sup>2</sup>			
25 mm	25	70	200	6	12 0200

## 1000 V “One hander” cable snip

For copper- and aluminium cables, very good cutting power, clean cut without deformation, double insulated

for cable diameter	large mm <sup>2</sup>	flexible mm <sup>2</sup>			
25 mm	25	70	200	6	12 0202

## cable snip

universal cable snip for copper, aluminium and coax cables. For large conductors up to 10 mm diameter or 50 mm<sup>2</sup> and multicore cables up to 12 mm diameter or 70 mm<sup>2</sup> for stripping (particular area on cutting head) "Strips and cuts." With ergonomically formed two component handle jackets, weight 300 g.

			200	1	12 0238
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## cable shear

steel tube legs PVC-coated

for cable diameter	mm <sup>2</sup>				
14 mm	50	280	1	12 0148	

## cable shears

with leverage and interchangeable knife head, steel tube legs PVC coated

for cable diameter	diameter mm <sup>2</sup>				
26 mm	120	600	1	12 0150	
38 mm	300	930	1	12 0152	

## cable shear

with telescopic handle, progressively adjustable 350 – 520 mm

for cable diameter	diameter mm <sup>2</sup>				
26 mm	120	350 - 520	1	12 0159	

## cable shear with 1000 Volt insulation

for cable diameter	diameter mm <sup>2</sup>				
26 mm	120	600	1	12 0158	

## cable cutter

with patented leverage and hand guard, for copper- and aluminium cables

for cable diameter mm	diameter mm	large mm <sup>2</sup>			
32	1 x 250	305	1	12 0160	

## cable cutter

with ratchet drive, single-hand-shear with high cutting power for copper- and aluminium cables

for cable diameter mm	diameter mm	flexible mm <sup>2</sup>			
38	1 x 300	4 x 90	290	1	12 0164
55	1 x 450	4 x 120	290	1	12 0165



# Insulated Safety Tools — Personal Protective Equipment

## Precision stripper MICRO-STRIPPER

Precision stripping tool for 6 different wire diameters. Adjustable length setting for wires with insulation made of: MYLAR®, KYNAR®, TEFZEL®, TEFLON®, PVC and others

AWG	36	34	32	30	28	26
mm diameter	0,12	0,16	0,20	0,25	0,30	0,40
						10 0694
AWG	30	28	26	24	22	20
mm diameter	0,25	0,30	0,40	0,50	0,60	0,80
						10 0695
AWG	28	26	24	22	20	18
mm diameter	0,30	0,40	0,50	0,60	0,80	1,00
						10 0696



## Varnish stripper

For wires diameter mm

0,5 (AWG 24)	125	6	10 0710
0,6 (AWG 22)	125	6	10 0712



## Stripping pliers LWL

Precision stripper with 3 stripping positions for primary coating, secondary coating and outer coating of optical waveguide cables, preset cut depth, infinitely variable adjustment, locking mechanism, ergonomic 2-component-handles.

| 12 1104



## Micro-stripper LWL

Highly precise stripping tool for optical waveguide-primary coating, for 0,18 mm (180 µm) diameter

| 10 0698



## Automatic cable stripper JOKARI

Cable stripper for circular and lengthwise cuts, cutting depths adjustable, damage of the inner conductors is impossible. Handle jackets made of wear-resistant polyamide.

Titanium nitride coated for durability and sharpness

### JOKARI - cable stripper with hook-shaped blade

Titanium nitride coated for durability and sharpness.

8 - 28 mm diameter		12 0010
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### JOKARI - cable stripper with straight blade

Titanium nitride coated for durability and sharpness.

8 - 28 mm diameter		12 0011
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### JOKARI - cable stripper without blade

Titanium nitride coated for durability and sharpness. For slitting and stripping of waterproof installation cables

4 - 16 mm diameter		12 0012
8 - 28 mm diameter		12 0014
28 - 35 mm diameter		12 0016
35 - 50 mm diameter		12 0018

### JOKARI - cable stripper with hook-shaped blade

Titanium nitride coated for durability and sharpness. Standard-version

8 - 28 mm diameter		12 1010
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TiN

TiN

TiN

TiN

TiN



# Insulated Safety Tools — Personal Protective Equipment

## ▶▶▶ JOKARI — cable stripper with straight blade

Standard-version

8 - 28 mm diameter | 12 1011

TiN



## ▶▶▶ JOKARI — cable stripper without external blade

Fully insulated, all parts except inner knife made of plastic, for baring all usual cables

8 - 28 mm diameter | 12 0008

TiN



## Spare blades

For all Jokari-cable stripper

| 12 0020

TiN

## ⚡ 1000 V safety-cable knife

With insulated back of blade and folding, in-handle retractable blade protection, with interchangeable blade

Blade length 50 mm | 12 0064

interchangeable blade

Blade length 50 mm | 12 0066



NEW

## ⚡ 1000 V safety-cable knife

Cable knife especially for working on insulation of large cables, with straight, powerful blade made of non-corroding steel, blade length about 50 mm. 1000 V protective insulated handle with large slip protection. Modern 2-component handle (polypropylene with soft rubber insertion). Comfortable and safe even when wet, cold or hot. With blade protection cap.

| 12 1042



## Single-hand ratchet-cable cutter

For non compression cutting of cables to a maximum of 45mm. For copper and aluminum cables. Not suitable for cutting steel wire, ACSR. Features hardened edges and compact design. Can be used with one hand. Simple construction makes it easily repairable.

cutting-power: copper: up to 4 x 70 mm<sup>2</sup> for fine-strand and multi-wire conductors resp. 300 mm<sup>2</sup> at large conductors  
Aluminium: up to 4 x 95 mm<sup>2</sup> for fine-strand and multi-wire conductors resp. 400 mm<sup>2</sup> at large conductors.

| 12 0168



## Cable cutter

Cable cutter with max. cutting-power; cutting of cables with steel strip armouring or lead sheath possible. With ratchet drive and pawl, handles with hand-protection.

For cables up to diameter

60 mm 720 | 12 0170

100 mm 870 | 12 0172



## Cable snip

Edges made of 3 mm non-corroding high-grade steel, handles made of shock-resistant plastic, hardness HRC 50 to 54, self-locking nut and washer made of VA, safety lock, self-opening by spring, practical for left- and right-handers. For cutting of cables and conductors up to 10 mm diameter; insulation, wood, rope and other materials

165 | 12 0110



## Cable shears for optical waveguides

Specially designed for Kevlar- and aramid-fibres.

with ceramic edges 145 | 12 0250

Edges made of high-alloy, non-corroding high-grade steel, hardness HRC 60 to 62, hardness of edges HK 1200, one edge micro-serrated, adjustable screw joint, ergonomic plastic handles, practical for left- and right-handers cutting length 42 mm

160 | 12 0252



## 1000 V Insulated Tool Kits

PART NUMBER	DESCRIPTION	BASIC	PRO	DELUX	SUPER
108724	Water pump pliers		•	•	•
108771	6" flat nose pliers	•	•	•	•
108778	8" needle nose pliers	•	•	•	•
108783	Linesman pliers	•	•	•	•
108784	7 1/2" diagonal pliers				•
108788	10" side cutters			•	•
108792	6" side cutter with wire stripper	•	•	•	•
108795	8" top cutter		•		•
112570	reversible ratchet 3/8" drive				•
112575	short extension				•
112576	long extension				•
112581	torque wrench 3/8" drive				•
117754	Robertson screwdriver # 8	•	•	•	•
117755	Robertson screwdriver # 10	•	•	•	•
117800	screwdriver kit- 7 piece	•	•	•	•
120202	high leverage wire snips	•	•	•	•
120046	cable stripping knife w/ safety knob		•	•	•
BOX 1	10 piece box wrench set 3/8"- 1"				•
economy case	case		•		
standard case	case1			•	
Deluxe case	case2				•
tool roll	tool roll	•			
HWS14L	long arm hex wrench set				•
P100CT	10" crimping plier				•
P9CC	9 1/2" cable cutting plier				•
SOCK1	10 piece socket set 5/16"- 7/8"				•
TR8ND	6 piece long nut driver set 3/16"- 1/2"				•
WS45-215	wire stripper 7 5/8"			•	•

*Kits are not exactly as shown in pictures. Custom kits are available for all applications. Contact your PMMI rep for further information.*



## Cimco Tool Sets





# ***PMMI Arc Flash Training***

If you need basic arc flash training for your employees, PMMI has a solution for you. Whether your employees are electricians, electrical technicians or sales/ service people in the electrical industry, we can help you understand the issues and the solutions.

## ***Our course covers the following topics***

- what is arc flash and why does it happen
- explanation of arc flash, arc blast and shock
  
- explanation of the current laws both federal and provincial concerning protection of workers
- explanation of how the law, the current CSA standard and the company electrical safety policy work together to increase worker safety
  
- Controlling hazardous energy
- Labeling hazards
  
- The new concepts of hazard vs risk in the CSA Z 462 standard
- The heirarcy of risk assessment
  
- Selection and assessment of PPE for use in hazardous situations
- Explanation of hazard risk categories vs full arc flash assessments
- Explanation of testing methods for PPE
- The mysteries of layering
  
- Testing of electrician's gloves
  
- Insulated tools



The costs are reasonable and the course is compact, interesting and not overly complicated. Please contact your PPE supplier or PMMI directly for further information.

# What Do I Need?

## CSA Z462 - Protective Clothing

Hazard/risk category	Protective clothing and PPE
1	Arc-rated clothing, minimum arc rating of 4 cal/cm <sup>2</sup> : Arc-rated long-sleeve shirt and pants or arc rated coverall Arc-rated faceshield or arc flash suit hood Arc-rated jacket, parka, rainwear, or hard hat liner (AN) Protective equipment: Hard hat Safety glasses or safety goggles (SR) Hearing protection (ear canal inserts) Heavy duty leather gloves (AN) Leather work shoes (AN)
2	Arc-rated clothing, minimum arc rating of 8 cal/cm <sup>2</sup> : Arc-rated long-sleeve shirt and pants or arc rated coverall Arc-rated arc flash suit hood; or arc-rated faceshield and arc-rated balaclava Arc rated jacket, parka, rainwear, or hard hat liner (AN) Protective equipment: Hard hat Safety glasses or safety goggles (SR) Hearing protection (ear canal inserts) Heavy duty leather gloves (AN) Leather work shoes
3	Arc-rated clothing, selected so that the system arc rating meets the required minimum arc rating of 25 cal/cm <sup>2</sup> : Arc-rated long-sleeve shirt (AR) Arc-rated pants (AR) Arc-rated coverall (AR) Arc-rated arc flash suit jacket (AR) Arc-rated arc flash suit pants (AR) Arc-rated arc flash suit hood Arc-rated gloves Arc-rated jacket, parka, rainwear, or hard hat liner (AN) Protective equipment: Hard hat Safety glasses or safety goggles (SR) Hearing protection (ear canal inserts) Leather work shoes
4	Arc-rated clothing, selected so that the system arc rating meets the required minimum arc rating of 40 cal/cm <sup>2</sup> : Arc-rated long-sleeve shirt (AR) Arc-rated pants (AR) Arc-rated coverall (AR) Arc-rated arc flash suit jacket (AR) Arc-rated arc flash suit pants (AR) Arc-rated arc flash suit hood Arc-rated gloves Arc-rated jacket, parka, or rainwear, or hard hat liner (AN) Protective equipment: Hard hat Safety glasses or safety goggles (SR) Hearing protection (ear canal inserts) Leather work shoes

### Legend:

AN = as needed (optional)

AR = as required

SR = selection required

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