

Insulating Rubber Products

General Info

Insulating Rubber Products are essential to the safety of electrical workers. These items are designed primarily to prevent shock and electrocution.

OSHA Standard 29 CFR 1910.137 provides the design requirements and in-service care and use requirements for electrical insulating gloves and sleeves as well as insulating blankets, matting, covers, and line hose.

As an accredited NAIL for PET laboratory, Cementex has the ability to provide both products and services to help keep qualified electricians in compliance with OSHA requirements and most importantly - SAFE.

All rubber products from Cementex are electrically tested and ready to be placed into service. A "Plain English" stamp (shown below) identifies the date of testing and the maximum use voltage of the item.

Cementex Products, Inc.
Max Use: 7,500VAC | 11,250VDC
Date Tested: _____



ID Tag	Class	AC Proof Test Voltage	AC Max Use Voltage	DC Proof Test Voltage	DC Max Use Voltage*
Beige	00	2,500	500	10,000	750
Red	0	5,000	1,000	20,000	1,500
White	1	10,000	7,500	40,000	11,250
Yellow	2	20,000	17,000	50,000	25,500
Green	3	30,000	26,500	60,000	39,750
Orange	4	40,000	36,000	70,000	54,000

OSHA Table I-4 Identifies test voltages.

*Each glove and sleeve has a colored ID Tag labelled noting class and maximum voltage for which the glove may be used.

Rubber Insulating Equipment	When to Test	Governing Standard for Test Voltage
Blankets	Before first issue; every 12 months thereafter†	ASTM F 479
Covers	If insulating value is suspect	ASTM F 478
Gloves	Before first issue; every 6 months thereafter	ASTM F 496
Line Hose	If insulating value is suspect	ASTM F 478
Sleeves	Before first issue; every 12 months thereafter	ASTM F 496

OSHA Table I-5 Identifies test intervals.

*If the insulating equipment has been electrically tested but not issued for service, the insulating equipment may not be placed into service unless it has been electrically tested within the previous 12 months.



Cementex Field Care, Inspection and Storage of Rubber Insulating Gloves (RIGs)

PROTECTED BY
Cementex
The Safety Tool Specialists

PHYSICAL CLEANING

Clean gloves as necessary after use. Gloves should remain free of dirt or oil found on gloves when removing protectors.



In a sink wash gloves inside and out with mild soap/soapy water. Be sure not to wear rings or any damaging jewelry.



NOTES: Only soapy water or denatured alcohol should clean label area.

Rinse thoroughly with water.



Air dry gloves away from direct sunlight and sources of ozone or high heat (120°F / 49°C).

STORAGE AND INSPECTION

RIGs should be stored in protective bag separately from protectors. This decreases stress on fingers.

Gloves should be placed in cuff down and with fingers facing up. Do not store gloves inside out and avoid any folds or creasing.



Store in cool, dark, and dry place avoiding heat, sunlight away from electrical discharges. Keep away from potential physical damages (sharp and/or heavy objects) and environmental damages (ozone, chemicals – oils, solvents, or damaging fumes).



Inspect for damage prior to use daily, and after any incident suspected of causing damage.

Use a glove inflator to expand the glove to 1-1/2 times – expansion stretches the rubber to check for physical damage such as punctures, cuts, knicks, cracks scratches or abrasions.

Check for chemical damages such as swelling, softness, hardness, or stickiness.



Insulating Rubber Gloves

WEAR AND RETEST

Mechanical protection is required to be worn over RIGs for protection against cuts, abrasions, and punctures. Leather Protectors can also offer additional protection to the gloves and worker.

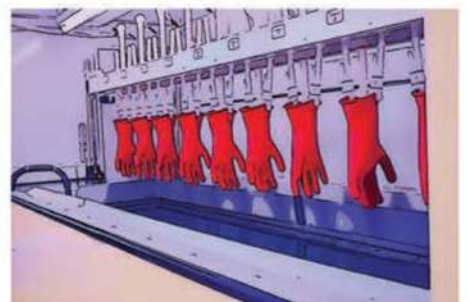


It is so important to wear gloves when required and as required. Comfort is critical. Either cotton glove liners or



glove talc may be exactly what is needed to provide additional comfort when wearing gloves.

OSHA mandates dielectric retests at least once every six (6) months in a NAIL-accredited laboratory per ASTM F496.



Insulating Gloves

Manufactured using natural rubber in ISO manufacturing facilities, rubber insulating gloves provided by Cementex are compliant with OSHA 1910.137, OSHA 1910.268, NFPA 70E, CSA Z462, and exceed the ASTM D120 and European EN60903 standards for use around Electrical Hazards and Arc Flash Protection.

These gloves are made of natural rubber construction offering the required dielectric properties combined with flexibility, strength, and durability. Gloves feature rolled cuffs and are anatomically shaped thereby reducing hand fatigue. Each glove is chlorinated for maximum comfort. All classes of gloves are available in whole sizes. Class 00, 0, and 2 are also available in half sizes in various color options.

OSHA Certification Requirements

All Cementex gloves ship tested and certified according to OSHA regulation 1910.137(b)(2)(xii) which states the employer shall certify that equipment has been tested in accordance with the requirements of paragraph (b)(2)(viii), (b)(2)(ix), and (b)(2)(xi) of this section. The certification shall identify the equipment that passed the test and the date it was tested.

Measure the circumference of the palm of the hand, as shown, in inches. Round up to the nearest half or whole inch for approximate sizing. Class 00, 0, 2 are available in whole and half sizes. Class 1, 3, 4 are available in whole sizes only.

Glove Kits Include: Insulating Rubber Gloves, TruFit Cinch Strap Protectors, and Cementex Canvas Storage Bag
Glove Color may be specified by the addition of **-B=Black, -R=Red, -Y=Yellow**
**color availability indicated*



Class 00 GLOVES _____ **DESC** _____
 IG00-11-(SIZE)..... Class 00 - 500VAC/750VDC - 11" OAL (black)

Class 00 GLOVE KITS _____ **DESC** _____
 IGK00-11-(SIZE)..... Class 00 - 500VAC/750VDC - 11" OAL (black)
 (OAL=Overall Length)

Class 0 GLOVES _____ **DESC** _____
 IGO-11-(SIZE)..... Class 0 - 1,000VAC/1,500VDC - 11" OAL (red, black, yellow)
 IGO-14-(SIZE)..... Class 0 - 1,000VAC/1,500VDC - 14" OAL (black, yellow)
 IGO-14-(SIZE)YB-SC..... Class 0 - 1,000VAC/1,500VDC - 14" OAL Dual Color
 (yellow over black)

Class 0 GLOVE KITS _____ **DESC** _____
 IGK0-11-(SIZE)..... Class 0 - 1,000VAC/1,500VDC - 11" OAL (red, black, yellow)
 IGK0-14-(SIZE)..... Class 0 - 1,000VAC/1,500VDC - 14" OAL (black, yellow)
 (OAL=Overall Length)



IG00-11-9B



IG0-11-9Y



IG0-11-9R



IG0-11-0B



IG0-14-9YB-SC



IG0-14-9B

Class 1 GLOVES	DESC
IG1-14-(SIZE).....	Class 1 - 7,500VAC/11,250VDC - 14" OAL (black, yellow)
IG1-14-(SIZE)YB-SC.....	Class 1 - 7,500VAC/11,250VDC - 14" OAL Dual Color (yellow under black)
IG1-16-(SIZE).....	Class 1 - 7,500VAC/11,250VDC - 16" OAL (black)

Class 1 GLOVE KITS	DESC
IGK1-14-(SIZE).....	Class 1 - 7,500VAC/11,250VDC - 14" OAL (black, yellow)
IGK1-16-(SIZE).....	Class 1 - 7,500VAC/11,250VDC - 16" OAL (black) (OAL=Overall Length)



IG1-14-9B



IG1-14-9YB-SC

Class 2 GLOVES	DESC
IG2-14-(SIZE).....	Class 2 - 17,000VAC/25,500VDC - 14" OAL (red, black, yellow)
IG2-16-(SIZE).....	Class 2 - 17,000VAC/25,500VDC - 16" OAL (black)
IG2-16-(SIZE)YB-SC.....	Class 2 - 17,000VAC/25,500VDC - 16" OAL Dual Color (yellow under black)
IG2-16-(SIZE)YB-BC.....	Class 2 - 17,000VAC/25,500VDC - 16" OAL Bell Cuff - Dual Color (yellow under black)
IG2-18-(SIZE)YB-CC.....	Class 2 - 17,000VAC/25,500VDC - 18" OAL Contour Cuff - Dual Color (yellow under black)



IG2-14-9B



IG2-14-9R



IG2-16-9B



IG2-16-9YB-SC



IG2-16-9YB-BC



IG2-18-9YB-CC

Class 2 GLOVE KITS	DESC
IGK2-14-(SIZE).....	Class 2 - 17,000VAC/25,500VDC - 14" OAL (red, black, yellow)
IGK2-16-(SIZE).....	Class 2 - 17,000VAC/25,500VDC - 16" OAL (black) (OAL=Overall Length)

Class 3 GLOVES	DESC
IG3-16-(SIZE).....	Class 3 - 26,500VAC/39,750VDC - 16" OAL (black)
IG3-16-(SIZE)YB-SC.....	Class 3 - 26,500VAC/39,750VDC - 16" OAL Dual Color (yellow under black)
IG3-16-(SIZE)YB-BC.....	Class 3 - 26,500VAC/39,750VDC - 16" OAL Bell Cuff - Dual Color (yellow under black)
IG3-18-(SIZE)YB-CC.....	Class 3 - 26,500VAC/39,750VDC - 18" OAL Contour Cuff - Dual Color (yellow under black)

Class 3 GLOVE KITS	DESC
IGK3-16-(SIZE).....	Class 3 - 26,500VAC/39,750VDC - 16" OAL (black) (OAL=Overall Length)



IG3-16-9B



IG3-16-9YB-SC



IG3-16-9YB-BC



IG3-18-9YB-CC

Class 4 GLOVES	DESC
IG4-18-(SIZE).....	Class 4 - 36,000VAC/54,000VDC - 18" OAL (black)
IG4-18-(SIZE)YB-SC.....	Class 4 - 36,000VAC/54,000VDC - 18" OAL Dual Color (yellow under black)
IG4-18-(SIZE)YB-BC.....	Class 4 - 36,000VAC/54,000VDC - 18" OAL Bell Cuff - Dual Color (yellow under black)
IG4-18-(SIZE)YB-CC.....	Class 4 - 36,000VAC/54,000VDC - 18" OAL Contour Cuff - Dual Color (yellow under black)

Class 4 GLOVE KITS	DESC
IGK4-18-(SIZE).....	Class 4 - 36,000VAC/54,000VDC - 18" OAL (black) (OAL=Overall Length)



IG4-18-9B



IG4-18-9YB-SC



IG4-18-9YB-BC



IG4-18-9YB-CC

TruFit® Leather Protectors



P0-10-9CS



P2-12-10 shown

Quality Leather protectors result in better dexterity, comfort, and a safer working conditions for qualified workers. This fact has driven Cementex to create our TruFit® Leather Protectors. By using only premium materials and a new, more ergonomic design, we have created a safe and comfortable solution to energized work requirements. The newly designed palm and 3D-fingers create a more conforming fit around rubber gloves, reducing hand fatigue and greatly improving dexterity.

To get the utmost protection and life from rubber gloves, leather protectors should always be worn over the rubber gloves, while in use.

Leather protectors are to be used for the mechanical protection of rubber gloves and shall not be used alone for electrical protection per ASTM F696.

Warning! Do not use leather protectors alone for protection against electric shock. Serious injury or death will result. Always use a properly rated insulating glove for the voltage being worked.

Arc Flash Protection - per NFPA 70E Rubber insulating gloves with protectors provide arc flash protection in addition to electric shock protection. Higher class rubber insulating gloves with protectors, due to their increased material thickness, provide increased arc flash protection.

TruFit® Low Voltage Leather Protectors are constructed of Premium Top Grain Goat Hide providing a soft, flexible feel and excellent protection.

- Whole Sizes 8-12 (complementary fit for associated half sizes)
- 10" Overall Length (OAL)
- Designed for use over Class 00 and Class 0 Insulating Rubber Gloves
- Cinch Strap style is standard for kits*

*transition based on inventory levels of elasticized style

TruFit® High Voltage Leather Protectors are constructed of Premium Top Grain Cow Hide providing a soft feel and our highest level of protection.

- Features Wrist Cinch Strap
- Whole Sizes 8-12 (complementary fit for associated half sizes)
- 12" Overall Length (OAL)
- Designed for use over Class 1, 2, 3 and 4 Insulating Rubber Gloves

PN _____ **DESC** _____

P0-10-(SIZE)*..... Class 00/0 - 10" OAL TruFit® Protector
P0-10-(SIZE)CS... Class 00/0 - 10" OAL TruFit® Protector
with Cinch Strap

P2-12-(SIZE)..... Class 1/2/3/4 - 12" OAL TruFit® Protector

*NOTE: TruFit® Protector without cinch strap will have limited sizes and quantities as we transition to cinch strap style only.

Glove Inflator

The Cementex Glove Inflator allows for simple, effective daily compliance. Physical inspection is just as important as your Dielectric Test! Do it the right way--inspect the entire glove tip to cuff and without breaking the bank!

OSHA 1910.137(c)(2)(II)

Insulating equipment shall be inspected for damage before use each day and immediately following any incident that can reasonably be suspected of causing damage. Insulating gloves shall be given an air test along with visual inspection.

- Easy-to-use design
- Non-slip base
- Comply with ASTM F496 and NFPA 70E
- Includes velcro strap and storage bag

PN _____ DESC _____

CPGI..... Glove Inflator

CPGI-VS.... Replacement Velcro Strap



How to Use



Glove Talc

Cementex Gove Talc provides pure comfort

- No dangerous additives; designed for safe use with insulating goods.
- Will not damage Type I or Type II rubber.
- Absorbs moisture and perspiration
- Minimizes friction
- Prevents rubber from becoming 'sticky'

PN _____ DESC _____

CPGT-6SB..... 6 oz. Bottle

CPGT-12CB....Case of 6 oz. Bottles (12)

CPGT-1QC.....1 Quart Container (32 oz.)

CPGT-4QC.....Case of Quart Containers (4)

CPGT-1GC.....1 Gallon Bottle

CPGT-5GC.....5 Gallon Container



Glove Talc SDS



CPGT-6SB

Rubber Accessories

Insulating Rubber Sleeves

Manufactured using natural rubber in ISO manufacturing facilities the rubber insulating sleeves provided by Cementex are compliant with OSHA 1910.137, OSHA 1910.268, NFPA 70E®, CSA Z462, and exceed the ASTM D1051 standards for use around Electrical Hazards and Arc Flash Protection.

These sleeves offer the required dielectric properties combined with flexibility, strength, and durability. Sleeves are anatomically shaped thereby providing optimal comfort and range of motion. Sleeves are chlorinated for maximum comfort and available in *Regular, Large, and Extra Large* in varying colors.

Insulating Rubber Sleeves share the colored Class Identification tags noted for Insulating Rubber Gloves.

Sleeve Kits Include: Insulating Rubber Sleeves, Sleeve Straps and Buttons, and Sleeve Bag.

Sizing Small (S), Regular (R), Extra Large (XL)

PN_____ **DESC**_____

SLV0-(SIZE)..... Class 0 Sleeves Only

SLVK0-(SIZE)..... Class 0 Sleeve Kit

SLV1-(SIZE).....Class 1 Sleeves Only

SLVK1-(SIZE).....Class 1 Sleeve Kit

SLV2-(SIZE).....Class 2 Sleeves Only

SLVK2-(SIZE).....Class 2 Sleeve Kit

SLVSTP-8POS.....Sleeve Straps: 8 Position Adjustable (1 Pair)

SLVBUT-4.....Sleeve Buttons (4 Pair)

SLVHB-2.....Sleeve Harness with Buttons (1 Pair)

SLV2



Sleeve color may vary.

SLVSTP-8POS



NOTE: Additional classes available individually or as kits upon request.

Insulating Rubber Apron

Insulating Rubber Aprons were designed initially for work on and around battery storage systems where technicians must regularly reach over energized conductors to perform standard maintenance.

Utilizing Cementex Class 0 Roll Blankets as the base material, these aprons are made from high-strength, fabric-reinforced Type II rubber. This rubber is highly puncture- and tear-resistant, as well as flame (self-extinguishing), oil, and ozone-resistant.

Designed, manufactured, and tested in the USA in strict accordance to current ASTM F2320 specifications.

PN_____ **DESC**_____

APRON-0..... Class 0 Shock Protection Apron

APRON-0-WS..... Class 0 Apron with Waist Strap

APRON-0-WS2B...Apron Replacement Waist Strap/Buckle



Roll Blankets

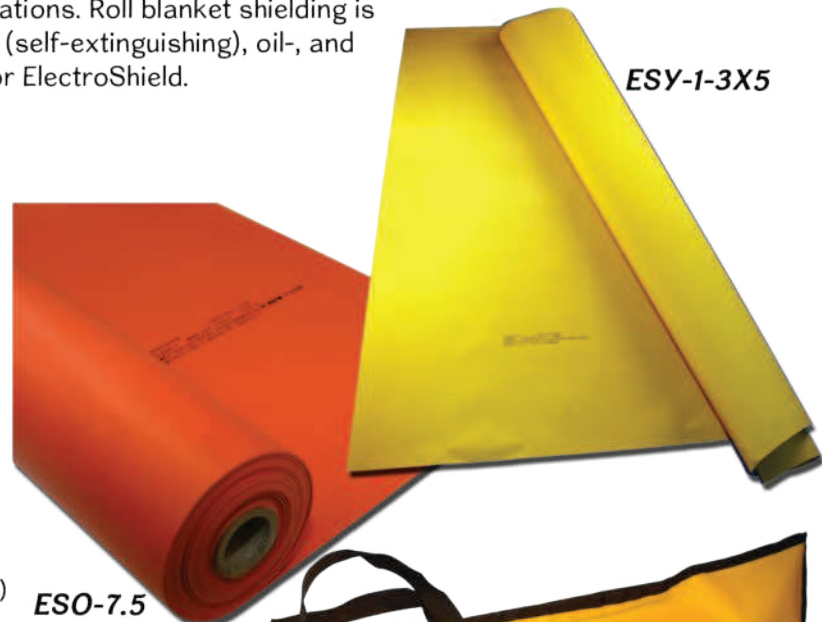
Made from high-strength, fabric-reinforced Type II rubber, Cementex Roll Blankets, aka ElectroShield, allow custom-cut fit for each application at the job site. Designed, manufactured, and tested in the USA in strict accordance to current ASTM F2320 specifications. Roll blanket shielding is highly puncture- and tear-resistant, as well as flame- (self-extinguishing), oil-, and ozone-resistant. There are no retest requirements for ElectroShield.

PN	DESC
ESY-1.....	Class 0 Full Roll: 3' x 30' (Yellow)
ESY-1-2X3.....	Class 0 2' x 3' (Yellow)
ESY-1-3X3.....	Class 0 3' x 3' (Yellow)
ESY-1-3X5.....	Class 0 3' x 5' (Yellow)
ESY-1K.....	Class 0 Full Roll Kit: 3' x 30' (Yellow)
ESY-1RF.....	Class 0 By the foot* x 3' wide (Yellow)
ESO-7.5.....	Class 1 Full Roll: 3' x 30' (Orange)
ESO-7.5-3X3.....	Class 1 2' x 3' (Orange)
ESO-7.5-3X5.....	Class 1 3' x 3' (Orange)
ESO-7.5K.....	Class 1 Full Roll Kit: 3' x 30' (Orange)
ESO-7.5RF.....	Class 1 By the foot* x 3' wide (Orange)
PVC-7.5.....	Class 1 PVC Full Roll: 3' x 30' (Clear)
PVC-7.5K.....	Class 1 PVC Full Roll Kit: 3' x 30' (Clear)
ES-CLAMP.....	ElectroShield Clamp (Pair)
ES-CSB.....	ElectroShield Carry/Storage Bag

**Remnant Foot lengths are limited to available remnant inventory.*



Roll Blanket Shielding Kits Include: Clamps (Pair) and Carry/Storage Bag.



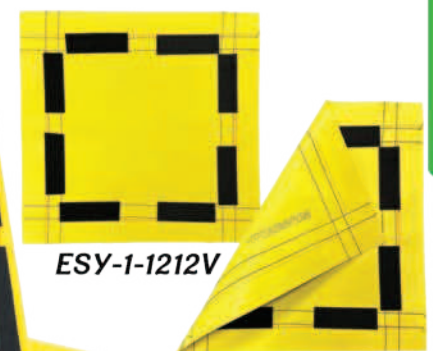
ESO-7.5K

Roll Blankets

ElectroShield with Velcro®

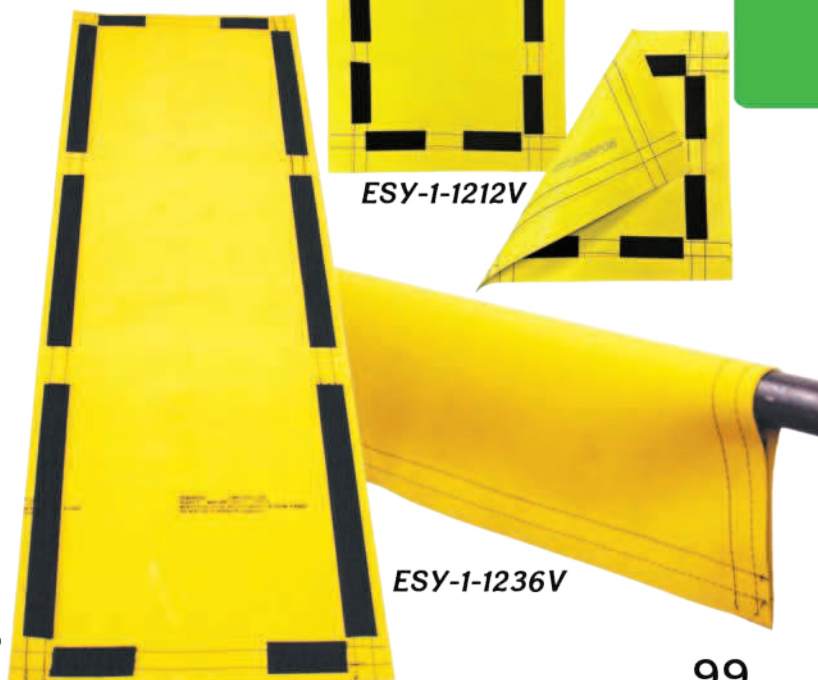


ESY-1-2424V



ESY-1-1212V

PN	DESC
ESY-1-1212V.....	Class 0 ElectroShield 12" x 12" with Velcro®
ESY-1-1236V.....	Class 0 ElectroShield 12" x 36" with Velcro®
ESY-1-1818V.....	Class 0 ElectroShield 18" x 18" with Velcro®
ESY-1-1836V.....	Class 0 ElectroShield 18" x 36" with Velcro®
ESY-1-2424V.....	Class 0 ElectroShield 24" x 24" with Velcro®
ESY-1-2448V.....	Class 0 ElectroShield 24" x 48" with Velcro®
ESY-1-3X3V.....	Class 0 ElectroShield 36" x 36" with Velcro®



ESY-1-1236V

Low Voltage Insulating Blankets

Superior quality dielectric blankets are designed, manufactured, and tested in the USA in strict accordance to current ASTM D1048 specifications.



The Class Identification voltage rating system is the same as insulating rubber gloves but there is no colored identification tag.

Class 0 and Class 4 Blankets are both Type II: made of ozone-resistant EPDM synthetic rubber.

Class 2, Type I Blanket is made of natural rubber.

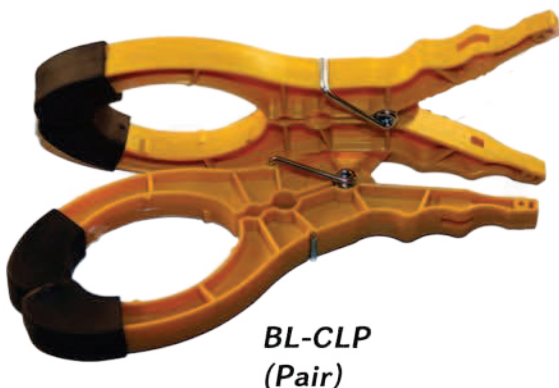
All blankets measure 36" x 36" unless otherwise identified.

Blanket Kits Include: Blanket Clamp Pins (Pair) and Canister (BLK-SC7)



PN	DESC
BL-C0.....	Class 0 No Eyelets (Yellow)
BLK-C0.....	Class 0 Blanket Kit
BL-C2.....	Class 2 6 Eyelets (Black)
BLK-C2.....	Class 2 Blanket Kit
BL-C4.....	Class 4 6 Eyelets (Orange)
BLK-C4.....	Class 4 Blanket Kit
BL-C4-SLT.....	Class 4 Split 28 Eyelets (Orange)
BLK-C4-SLT..	Class 4 Split Blanket Kit
BL-CLP.....	Blanket Clamp Pins (Pair)
BL-CLP-HS....	Hot Stick Blanket Clamp Pins (Pair)
BL-MBT.....	Magnetic Blanket Button
BL-PNS.....	Two Way Button
BL-14VBS.....	14" Velcro Blanket Straps
BL-30VBS.....	30" Velcro Blanket Straps
BLK-SC4.....	4-1/2" I.D. Blanket Canister
BLK-SC6.....	6" I.D. Blanket Canister
BLK-SC7.....	7" I.D. Blanket Canister
BLK-SC7H.....	7" I.D. Blanket Canister with Handle
BLK-SC10H....	10" I.D. Blanket Canister with Handle

*I.D. = Inside Diameter

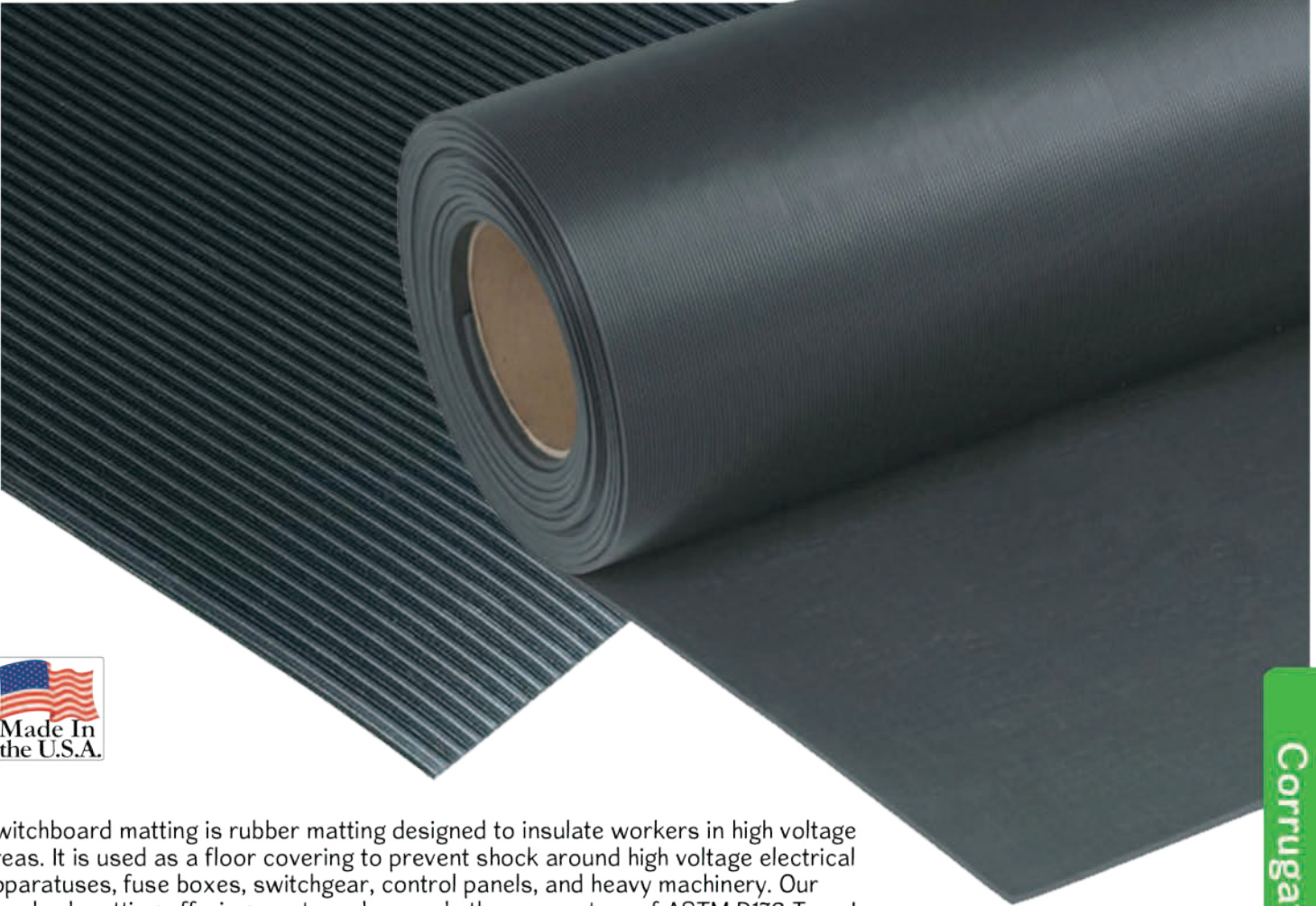


BL-CLP
(Pair)



BLK-SC10H

Switchboard Matting



Corrugated Matting



Switchboard matting is rubber matting designed to insulate workers in high voltage areas. It is used as a floor covering to prevent shock around high voltage electrical apparatuses, fuse boxes, switchgear, control panels, and heavy machinery. Our standard matting offering meets and exceeds the parameters of ASTM D178 Type I.

Switchboard Matting is available in a number of custom-cut size variations. Full rolls of Class 1 (7.5kV*), 2 (17kV*), and 3 (26.5kV*) measure: 36" Wide x 75' Long. Full rolls of Class 4 (46.5kV*) measure: 36" Wide x 60' Long. Thicknesses vary based on class (see descriptions below). *indicates Nominal Maximum Use Voltage

***NOTE:** Linear Foot ordering will be entered as the total number of feet required as the Quantity on the line. Comments on each line will indicate the number of pieces and feet each is to be cut (e.g., 2 pieces each cut 2' in length or similar (this would be a total quantity of 4).

PN	DESC
CPSM316-3675F.....	Class 1 3/16" Corrugated Roll (3'x75')
CPSM316-1LF.....	Class 1 3/16" Corrugated (Per foot)
CPSM140-3675F.....	Class 2 1/4" Corrugated Roll (3'x75')
CPSM140-1LF.....	Class 2 1/4" Corrugated (Per foot)
CPSM380-3675F.....	Class 3 3/8" Corrugated Roll (3'x75')
CPSM380-1LF.....	Class 3 3/8" Corrugated (Per foot)
CPSM120-3660F.....	Class 4 1/2" Corrugated Roll (3'x60')
CPSM120-1LF.....	Class 4 1/2" Corrugated (Per foot)

****Type II matting offerings are available to custom order****

ASTM D178 is a standard specification for rubber insulating matting used in electrical applications. It defines two types of matting: Type I and Type II. When selecting matting for electrical insulation purposes, it is important to consider the specific voltage requirements and application conditions to determine whether Type I or Type II matting is the most appropriate choice. The key differences between the two types are as follows:

Voltage Class: Type I matting is designed for use in low voltage applications, typically up to 1,000 volts. Type II matting is designed for higher voltage applications, usually up to 17,000 volts.

Thickness: Type I matting is generally thicker than Type II matting. Standard thickness for Type I matting ranges from 1/8" to 1/4", while Type II matting is typically available in thicknesses ranging from 1/8" to 3/8".

Physical Properties: Although both types of matting must meet certain performance requirements outlined in ASTM D178, there may be variations in physical properties such as tensile strength, elongation, hardness, and ozone resistance. These variations are intended to ensure that each type of matting is suitable for its intended voltage class and application.

Arc Flash Protective Clothing PPE

OSHA has identified Arc Flash and Arc Blast as being a significant hazard. They have determined that workers shall be provided with clothing that does not worsen their condition if exposed to this multi-hazard event.

As a result of this identification and directive to protect, experts throughout North America came together to generate a consensus standard which would determine levels of protection. These categories of protection have been adopted by NFPA 70E® and CSA Z462 and identified as Arc Flash PPE Levels.

It is important to understand that these Arc Flash PPE Levels are not designed to protect from all injury, but to mitigate the impact of an Arc Flash on the individual. The first choice should always be to reduce or eliminate the hazard.

The Arc Flash PPE Levels identified below are derived from NFPA 70E® and CSA Z462 standards subject to periodic change. You should verify current requirements for your location and type of work to ensure compliance with local requirements and regulations.

(notes) Refer to NFPA 70E® Annex M Layering of Protective Clothing and Total System Arc Rating for complete details on layering. The Arc Rating of outer layers worn over arc-rated clothing, that are used as part of a layered system, shall NOT be required to be equal to or greater than the estimated incident energy exposure



When utilizing "Task Wear" for Arc Flash and Arc Blast PPE Base Layer garments must be considered. A recommended uniform configuration for Daily Wear would consist of long sleeve shirt and pants, capable of being fastened at the wrist and neck, constructed of non-melting or untreated natural fibers. Melttable fibers such as acetate, nylon, polyester, polypropylene, and spandex shall not be permitted in fabric underlayers.
*an incidental amount of elastic used on nonmelting fabric underwear or socks shall be permitted.

Arc Flash PPE Level 1



Arc-Rated Clothing with a Minimum Arc-Rating of 4 cal/cm² (16.75J/cm²)

- Arc-Rated long sleeve shirt and pants or Arc-Rated coverall
- Arc-Rated face shield or arc flash suit hood
- Arc-Rated jacket, parka, high-visibility apparel, rainwear, or hard hat liner as needed

Protective Equipment

- Hard hat
- Safety glasses or goggles
- Ear canal insert hearing protection*
- Heavy duty leather gloves, arc-rated gloves, or rubber insulating gloves with protectors
- Leather footwear as needed

Arc Flash PPE Level 2



Arc-Rated Clothing with a Minimum Arc-Rating of 8 cal/cm² (33.5J/cm²)

- Arc-Rated long sleeve shirt and pants or Arc-Rated coverall
- Arc-Rated face shield and Arc-Rated balaclava or Arc-Rated flash suit hood
- Arc-Rated jacket, parka, high-visibility apparel, rainwear, or hard hat liner as needed

Protective Equipment

- Hard hat
- Safety glasses or goggles
- Ear canal insert hearing protection*
- Heavy duty leather gloves, arc-rated gloves, or rubber insulating gloves with protectors
- Leather footwear

Arc Flash PPE Level 3



Arc-Rated Clothing selected so the system's Arc Rating meets the required Minimum Arc Rating of 25 cal/cm² (104.7J/cm²)

- Arc-Rated long-sleeve shirt
- Arc-Rated pants
- Arc-Rated coverall
- Arc-Rated flash suit jacket
- Arc-Rated flash suit pants
- Arc-Rated arc flash suit hood
- Arc-Rated gloves or rubber insulating gloves with protectors
- Arc-Rated jacket, parka, high-visibility apparel, rainwear, or hard hat liner as needed

Protective Equipment

- Hard hat
- Safety glasses or goggles
- Ear canal insert hearing protection*
- Leather footwear

Arc Flash PPE Level 4



Arc-Rated Clothing selected so the system's Arc Rating meets the required Minimum Arc Rating of 40 cal/cm² (167.5J/cm²)

- Arc-Rated long-sleeve shirt
- Arc-Rated pants
- Arc-Rated coverall
- Arc-Rated flash suit jacket
- Arc-Rated flash suit pants
- Arc-Rated arc flash suit hood
- Arc-Rated gloves or rubber insulating gloves with protectors
- Arc-Rated jacket, parka, high-visibility apparel, rainwear, or hard hat liner as needed

Protective Equipment

- Hard hat
- Safety glasses or goggles
- Ear canal insert hearing protection*
- Leather footwear

*Other types of hearing protection are permitted to be used in lieu of or in addition to ear canal inserts provided they are worn under an arc-rated arc flash suit hood.

Cementex Arc Flash Task Wear Clothing Overview

UltraLite Series

The Cementex UltraLite Series utilizes innovative design along with the latest and greatest technologies to make the lightest, most comfortable Arc Flash PPE Task Wear available. Including many features of the "Feature Series", American made fabrics and "Made In the USA" construction, this is the pinnacle in Arc Flash PPE available today.

Why Choose the "UltraLite Series"... your:

- primary goal/objective is safety
- work environments are in warm/hot locations
- company has substantial live-work necessities requiring long durations or frequent use of Arc Flash PPE
- need is for the top level in comfort, options, efficient use and protection.



Feature Series

The Cementex Feature Series is designed for those looking for that next level of comfort, safety, durability and protection. With the ultimate focus on safety and usability, we've included the features that set this series apart from the competition. Made with USA labor and materials ensuring quality and peace of mind.

Why Choose the "Feature Series"... your:

- primary goal/objective is safety
- workforce has a need for more diverse clothing options and a variety of clothing type
- company has frequent live-work necessities requiring regular use of Arc Flash PPE and durable equipment.
- need is for the next level in comfort, options, efficient use and protection.



Contractor Series

The Cementex Contractor Series is designed for those looking for a lower cost option without sacrificing quality or safety. By minimizing costly features and still using premium USA labor and materials, Cementex has created the perfect blend of safe Arc Flash Protection at an economical price.

Why Choose the "Contractor Series"... your:

- primary goal/objective is safety
- budget is tight but protecting your people is paramount
- company has minimal live-work necessities
- need is a simple solution to an often complex problem



CONTRACTOR SERIES



The perfect blend of premium quality safety equipment in an affordable package. This series provides qualified electricians the coverage and safety they can trust and the value they require in complying with OSHA, NFPA 70E and CSA guidelines.

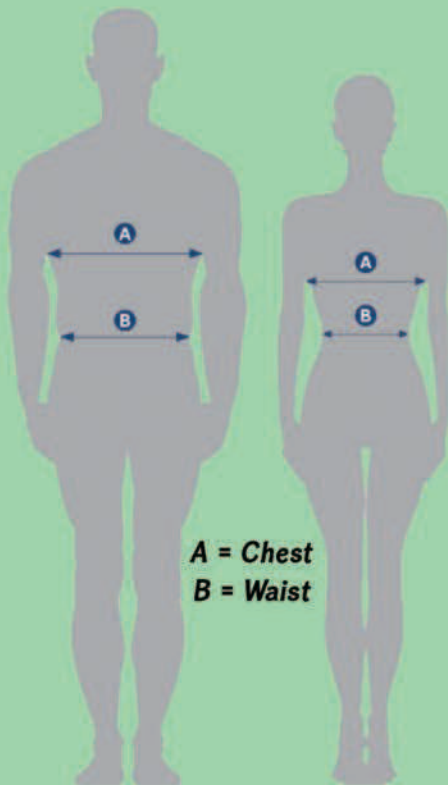
The Contractor Series minimizes unnecessary and costly features while still using premium Made in the USA fabrics and manufacturing. With a generous fit, garments wear well on many body types, ensuring proper coverage for a safe fit and function.

The Contractor Series is available as **individual items** and conveniently configured **kits** to fit your specific requirements. We have many preconfigured kits that will satisfy most situations, however, custom kit combinations are available upon request and may include varying size of coat and pant and/or short or tall sizing.

Lower cost but loaded with features:

- Two-way covered FR Velcro® open front for easy entrance and removal
- FR Velcro® Wrist and Ankle straps for easy donning, removal, and adjustment while wearing boots
- FR Elastic Waist for comfort fit
- Anti-fog Face Shields
- Available in sizes S-5X with a standard 32" inseam
- Meets current ASTM F1506 standards
- Meets current ASTM F1959/F1959M-99

Contractor



A = Chest
B = Waist

Contractor Series Sizing

USER BODY MEASURES:

	S	M	L	XL	2X	3X	4X	5X
Chest (In.)	36	39	42	46	50	54	58	62
Waist (In)	30	33	36	40	44	48	52	56

GARMENT MEASUREMENTS:

	S	M	L	XL	2X	3X	4X	5X
Coat Measurements								
Chest (In.)	46	49	52	56	60	64	68	72
Pant/Bib Measurements								
Waist (In)	34	37	40	44	48	52	56	60
Coverall Measurements								
Chest (In.)	46	49	52	56	60	64	68	72
Waist (In)	36	39	42	46	50	54	58	62
Standard Inseam 32", typically accomodates 5'9"-6'3"*								
Custom Sizing Available								

8.3 cal/cm² Contractor Series Task Wear

Developed as a simple solution to an often complex problem. The Level 2 Contractor Series Task Wear provides premium safety and protection while maintaining simplicity and affordability. There is no sacrifice in safety, functionality or ease-of-use when selecting the Level 2 Contractor Series in complying with OSHA, NFPA and CSA guidelines.

Coverallalls:

- Two-way covered FR Velcro® open front for easy entrance and removal
- FR Velcro® Wrist and Ankle straps for easy donning, removal, and adjustment while wearing boots
- FR Elastic Waist for comfort fit

Kits include coverall and storage option noted plus:

- Cementex 12 cal/cm² Arc Rated Face Shield
- Class E Hard Hat
- Cementex 12 cal/cm² Balaclava Hood
- Safety Glasses and Ear Canal Inserts
- Insulating Rubber Glove Kit (optional)

*Backpack Kits with gloves exclude:
Gloves Kit Canvas Storage Bag

- TR-9ELK: 9 Pc Basic Electricians Tool Roll with kits Including tools
(Canister Kits not available with tools)



PN _____ 8.3 cal/cm² Contractor Series _____
CCVL8-(SIZE).....Coverall (Navy)

CSCAK-(SIZE).....Coverall Kit in a Standard Duffle Bag
CSTCAK-(SIZE).....Coverall Kit in a Standard Duffle Bag plus Tools

BPK-CSCAK-(SIZE).....Coverall Kit in a Deluxe Backpack
BPK-CSTCAK-(SIZE)....Coverall Kit in a Deluxe Backpack plus Tools

AFSC-CSCAK-(SIZE)....Coverall Kit in an Arc Flash Storage Canister



CSCAK
*SHOWN WITH
GLOVES OPTION*

Contractor

40 cal/cm² Contractor Series Task Wear

The 40 cal/cm² garments of this series have been a staple of the industry for some time. With sturdy, Made in the USA construction and fabrics, this product has stood the toughest tests the industry could throw at it. Utilizing premium FR Treated Cotton and featuring a generous fit, the 40 cal/cm² Contractor Series maintains high quality comfort, durability, and wearability.



HRC4-AFH-CG

- Energy Absorbing Polycarbonate Lens
- 51% Visible Light Transmission (VLT)
- Scratch Resistant Coating
- Anti-Fog Faceshield



COATS/COVERALL:

- FR Hook and Loop front closure for easy and rapid removal
- FR Hook and Loop wrist adjustment for function with insulating rubber gloves
- FR hook and loop ankle adjustment for easy fit over boots

PANTS/BIB:

- Quick connect shoulder straps for easy access and removal (Bib)
- FR hook and loop hip closure and ankle adjustment

HOOD:

- Traditional construction style
- Hood Light (optional)
- All Contractor Series Hoods are "Vent Ready" and may be upgraded to include a ventilation fan system.

PN _____ 40 cal/cm² Contractor Series _____

- HRC4-CT-(SIZE)..... Coat (Khaki)
- HRC4-OA-(SIZE)..... Pant/Bib (Khaki)
- HRC4-CVL-(SIZE)..... Coverall (Khaki)
- HRC4-AFH-CGS..... Arc Flash Hood (Khaki)

KITS IDENTIFIED BELOW
INCLUDE ST-DBS
CEMENTEX STANDARD
DUFFEL BAG



ADD PREFIX "AFSC-"
FOR UPGRADE TO THE
ARC FLASH
STORAGE CANISTER KIT



ADD PREFIX "BPK-"
FOR UPGRADE TO THE
DELUXE BACKPACK KIT



TR-9ELK

KITS INCLUDE:

- All kits include
 - Arc Flash Suit and Class E Hard Hat
 - Safety Glasses and Ear Canal Inserts
 - (optional) Hood Vent Fan Upgrade ("V")
- Standard Duffel Kits
 - (optional) Insulating Rubber Glove Kit
 - (optional) TR-9ELK: 9 Pc Basic Electricians Tool Roll
- Backpack Kits ("BPK-" Prefix)
 - (optional) Insulating Rubber Gloves and protectors
- *DOES NOT include Canvas Storage Bag*
- (optional) TR-9ELK: 9 Pc Basic Electricians Tool Roll
- Storage Canister Kits ("AFSC-" Prefix)
 - (optional) Insulating Rubber Glove Kit



HRC4-CK

SHOWN WITH GLOVES OPTION



HRC4-K

SHOWN WITH GLOVES OPTION

PN _____ 40 cal/cm² Contractor Series Kits _____

HRC4-K-(SIZE).....Coat / Pant Kit in a Standard Duffel Bag
HRC4-KV-(SIZE).....Coat / Pant Kit in a Standard Duffel Bag w/ Vent Fan
HRC4-CK-(SIZE).....Coverall Kit in a Standard Duffel Bag
HRC4-CKV-(SIZE).....Coverall Kit in a Standard Duffel Bag w/ Vent Fan

BPK-HRC4K-(SIZE).....Coat / Pant Kit in a Deluxe Backpack
BPK-HRC4KV-(SIZE).....Coat / Pant Kit in a Deluxe Backpack w/ Vent Fan
BPK-HRC4CK-(SIZE).....Coverall Kit in a Deluxe Backpack
BPK-HRC4CKV-(SIZE).....Coverall Kit in a Deluxe Backpack w/ Vent Fan

AFSC-HRC4K-(SIZE).....Coat / Pant Kit in an Arc Flash Storage Canister
AFSC-HRC4KV-(SIZE).....Coat / Pant Kit in an Arc Flash Storage Canister w/ Vent Fan
AFSC-HRC4CK-(SIZE).....Coverall Kit in an Arc Flash Storage Canister
AFSC-HRC4CKV-(SIZE).....Coverall Kit in an Arc Flash Storage Canister w/ Vent Fan

FEATURE SERIES



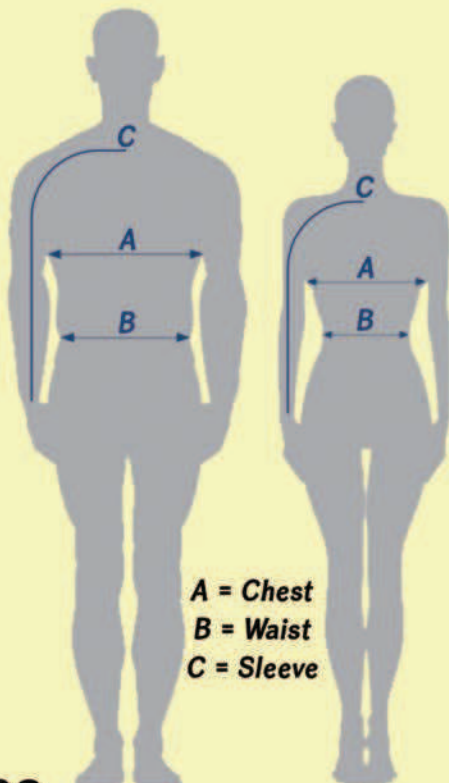
The Cementex Feature Series is designed for those looking for the next level of arc flash safety protection, comfort, and durability. This series provides qualified electricians the coverage and safety they can trust while providing those extra features and options they prefer in complying with OSHA, NFPA 70E and CSA guidelines.

With standard features such as Nomex® wrist cuffs along with vertical and horizontal FR hook and loop ankle closure and adjustment, the Feature Series has an ultimate focus on safety and function. Its features, however, are what set it apart from the competition. With a generous fit, garments wear well on many body types, ensuring proper coverage for a safe fit and function. Made with USA labor and materials insure quality and peace of mind.

The Feature Series is available as **individual items** and conveniently configured **kits** to fit your specific requirements. We have many preconfigured kits that will satisfy most situations, however, custom kit combinations are available upon request and may include varying size of coat and pant and/or short or tall sizing.

- Westex® Ultra Soft® FR Treated Cotton
- FR Velcro® front closures for a secure connection, easy access, and rapid removal in the event of arc exposure
- FR Velcro® calf/ankle closure for easy access and fit adjustment while wearing boots
- Coverall includes elastic back for comfortable fit and ease of movement
- Nomex® knit wrist cuffs on all coats and coveralls for use with rubber insulating gloves
- Bib/Pants have easily adjustable "quick disconnect" shoulder straps
- Anti-Fog Face Shields
- Available in sizes S-5X with a standard inseam of 32"
- Meets current ASTM F1506 standards
- Meets current ASTM F1959/F1959M-99

Feature Series Sizing GARMENT MEASUREMENTS:



	S	M	L	XL	2X	3X	4X	5X
Coat Measurements								
Chest (In.)	37-41	40-44	43-47	46-50	49-53	52-56	55-59	58-62
Sleeve (In)	36	37	38	39	40	40	41	60
Lab Coat Measurements								
Chest (In.)	27-31	31-35	35-39	39-43	43-43	46-50	50-54	54-58
Sleeve (In)	34	34.5	35	35.5	36	36.5	37	37.5
Parka Coat Measurements								
Chest (In.)	32-36	36-40	40-44	44-48	48-52	52-56	56-60	60-64
Pant/Bib Measurements								
Chest (In.)	31-34	34-37	37-40	40-44	44-48	48-52	52-56	56-60
Waist (In)	33-35	36-38	39-41	45-45	46-49	50-53	54-57	58-61
Coverall Measurements								
Chest (In.)	30-34	34-38	38-42	42-46	46-50	50-54	54-58	58-62
Waist (In)	28-32	32-34	34-38	38-42	42-46	46-50	50-54	54-58
Standard Inseam 32", typically accomodates 5'9"-6'3"*								
Custom Sizing Available								

12 CAL/CM² FEATURE SERIES TASK WEAR

Developed after years of research, our Level 2 Feature Series Task Wear provides premium safety and protection while offering the variety of clothing types and configurations preferred by top professionals. Made with 9oz. Westex® UltraSoft® and all FR Hook and Loop closures quick and easy removal are never an issue. Nomex® wrist cuffs prevent sleeves from slipping up when reaching and ensure proper coverage.

There are no sacrifices made when selecting the Feature Series for complying with the Arc Flash PPE Level 2 requirements of OSHA, NFPA and CSA.

COATS/COVERALL:

- FR Hook and Loop front closure for easy and rapid removal
- Nomex® wrist cuffs for superior function with insulating rubber gloves
- FR hook and loop ankle/calf adjustment for easy fit over boots
- Coverall includes elastic back for comfortable fit and ease of movement

PANTS/BIB:

- Quick connect shoulder straps for easy access and removal (Bib)
- FR hook and loop hip closure and ankle/calf adjustment

HOOD:

- Traditional construction style
- Anti-fog clear gray lens

LEGGINGS:

- Traditional construction style
- Anti-fog clear gray lens



CFRCA12
*SHOWN WITH
GLOVES OPTION*

CL2K
*SHOWN WITH
GLOVES OPTION*

PN	12 cal/cm ² Feature Series
CCT12-(SIZE).....	Coat 32" Length (Navy)
CLC12-(SIZE).....	Lab Coat 42" Length (Navy)
CLCT12-(SIZE).....	Long Coat 49" Length (Navy)
CPK12-(SIZE).....	Parka with Hood (Navy)
CPT12-(SIZE).....	Pant/Bib (Navy)
CCVL12-(SIZE).....	Coverall (Navy)
CLEG12-(SIZE).....	Leggings (Navy)
AFH-12CH-G.....	12 cal/cm ² Indura® Ultra Soft® FR Treated Cotton with Hard Hat

PN	12 cal/cm ² Feature Series Kits
CL2K-(SIZE).....	Coat / Pant Duffel Bag Kit
CFRLC12-(SIZE).....	Lab Coat Duffel Bag Kit
CFRLGC12-(SIZE).....	Long Coat / Leggings Duffel Bag Kit
CFRPK12-(SIZE).....	Parka Duffel Bag Kit
CFRCA12-(SIZE).....	Coverall Duffel Bag Kit

BPK-CL2K-(SIZE)....	Coat / Pant Backpack Kit with Tools
BPK-CFRLC12-(SIZE)....	Lab Coat Backpack Kit with Tools
BPK-CFRCA12-(SIZE)....	Coverall Backpack Kit with Tools

AFSC-CL2K-(SIZE).....	Coat / Pant Kit in an Arc Flash Storage Canister
AFSC-CFRLC12-(SIZE)...	Lab Coat Kit in an Arc Flash Storage Canister
AFSC-CFRCA12-(SIZE)...	Coverall Kit in an Arc Flash Storage Canister

Kits include clothing and storage option noted plus:

- Cementex 12 cal/cm² Arc Rated Face Shield
- Class E Hard Hat
- Cementex 12 cal/cm² Balaclava Hood
- Safety Glasses and Ear Canal Inserts
- Insulating Rubber Glove Kit (optional)

*Backpack Kits with gloves exclude:
Gloves Kit Canvas Storage Bag

- TR-9ELK: 9 Pc Basic Electricians Tool Roll with (BPK) backpack kits including tools (Canister Kits not available with tools)



Feature

21 cal/cm² Feature Series Task Wear



CS21CK

*SHOWN WITH
GLOVES OPTION*

PN	21 cal/cm ² Feature Series
CS21CT-(SIZE).....	Coat 32" Length (Navy)
CS21PT-(SIZE).....	Pant/Bib (Navy)
CS21OP-(SIZE).....	OverPant (Navy)
CS21CVL-(SIZE).....	Coverall (Navy)
CS21HOOD-G.....	Arc Flash Hood (Navy)

PN	21 cal/cm ² Feature Series Kits
CS21K-(SIZE).....	Coat / Pant Kit in Standard Duffel
CS21CK-(SIZE).....	Coverall Kit in Standard Duffel

BPK-CS21K-(SIZE).....	Coat / Pant Backpack Kit
BPK-CS21CK-(SIZE).....	Coverall Backpack Kit

AFSC-CS21K-(SIZE).....	Coat / Pant Kit in an Arc Flash Storage Canister
AFSC-CS21CK-(SIZE).....	Coverall Kit in an Arc Flash Storage Canister

The 21 cal/cm² Feature Series Task Wear provides premium safety and protection for those requiring that specific level of arc flash protection. With all FR hook and loop closures easy and rapid removal is no issue with these garments. Nomex® wrist cuffs prevent sleeves from slipping up when reaching and maintain proper coverage and protection.

There are no sacrifices made when selecting the 21 cal/cm² Feature Series in complying with OSHA, NFPA and CSA guidelines.

COATS/COVERALL:

- FR Hook and Loop front closure for quick and easy removal
- Nomex® wrist cuffs for superior performance with insulating rubber gloves
- FR hook and loop ankle/calf adjustment for easy fit over boots

PANTS/BIB:

- Quick connect shoulder straps for easy access and removal (Bib)
- FR hook and loop hip closure and ankle/calf adjustment

Hood:

- Traditional construction style
- Hood Light (Light-1) may be attached with included FR Hook and loop adhesive (optional)

KITS INCLUDE:

- All kits include
 - Arc Flash Suit Hood and Class E Hard Hat
 - Safety Glasses and Ear Canal Inserts
- Standard Duffel Kits
 - (optional) Insulating Rubber Glove Kit
 - (optional) TR-9ELK: 9 Pc Basic Electricians Tool Roll
- Backpack Kits ("BPK-" Prefix)
 - (optional) Insulating Rubber Gloves and protectors
 - *DOES NOT include Canvas Storage Bag*
 - (optional) TR-9ELK: 9 Pc Basic Electricians Tool Roll
- Storage Canister Kits ("AFSC-" Prefix)
 - (optional) Insulating Rubber Glove Kit



40 cal/cm² Feature Series Task Wear

The 40 cal/cm² Feature Series Task Wear provides premium safety and protection. With all FR hook and loop closures, easy and rapid removal is simple. Nomex® wrist cuffs prevent sleeves from sliding up when reaching to maintain proper coverage and protection. There are no sacrifices in quality, comfort or protection when selecting the 40 cal/cm² Feature Series to comply with OSHA, NFPA and CSA guidelines.

COATS & COVERALL:

- FR Hook and Loop front closure for easy and rapid removal
- Nomex® wrist cuffs for superior function with insulating rubber gloves

PANTS/BIB:

- Quick connect shoulder straps for easy access and removal (Bib)
- FR hook and loop hip closure

PANTS/BIB/COVERALL:

- FR hook and loop ankle adjustment for easy fit over boots
- Two slash pockets for easy base layer access

COVERALL:

- Elastic back for comfortable fit and ease of movement

LEGGINGS:

- Traditional construction style
- Anti-fog clear gray lense

HOOD:

- Traditional construction style
- Hood Light (Light-1) may be attached with included FR Hook and loop adhesive (available separately)
- Feature Series hoods with Vent Fans are constructed specifically for this feature. Only these specifically constructed hoods may include a ventilation fan system.



AFH40-FR-G



CCT40



CLCT40



CLEG40



CL4CK
*SHOWN WITH
GLOVES OPTION*



CL4K
*SHOWN WITH
GLOVES OPTION*



PN _____ 40 cal/cm² Feature Series _____

- CCT40-(SIZE).....Coat 32" Length (Navy)
- CLCT40-(SIZE)..... Long Coat 49" Length (Navy)
- CPT40-(SIZE)..... Pant/Bib (Navy)
- CCVL40-(SIZE)..... Coverall (Navy)
- CLEG40-(SIZE)..... Legging (Navy)
- AFH40-FR-G..... Arc Flash Hood (Navy)
- AFH40-FR-FAN-G..... Arc Flash Hood with Vent Fan (Navy)
- AFH40-LH-C..... Arc Flash Lift Front Hood (Navy)
- AFH40-FR-G-RL..... Replacement Lens (Navy)

KITS INCLUDE:

- All kits include
 - Arc Flash Suit Hood and Class E Hard Hat
 - Safety Glasses and Ear Canal Inserts
 - (optional) Hood Vent Fan Upgrade ("V")
- Standard Duffel Kits
 - (optional) Insulating Rubber Glove Kit
 - (optional) TR-9ELK: 9 Pc Basic Electricians Tool Roll
- Backpack Kits ("BPK-" Prefix)
 - (optional) Insulating Rubber Gloves and protectors
 - *DOES NOT include Canvas Storage Bag*
 - (optional) TR-9ELK: 9 Pc Basic Electricians Tool Roll
- Storage Canister Kits ("AFSC-" Prefix)
 - (optional) Insulating Rubber Glove Kit

PN _____ 40 cal/cm² Feature Series Kits _____

- CL4K-(SIZE).....Coat / Pant Kit in a Standard Duffel Bag
- CL4KV-(SIZE).....Coat / Pant Kit in a Standard Duffel Bag w/ Vent Fan
- CL4LCK-(SIZE).....Long Coat and Legging Kit in a Standard Duffel Bag
- CL4LCKV-(SIZE).....Long Coat and Legging Kit in Standard Bag w/Vent Fan
- CL4CK-(SIZE)..... Coverall Kit in a Standard Duffel Bag
- CL4CKV-(SIZE).....Coverall Kit in a Standard Duffel Bag w/ Vent Fan
- BPK-CL4K-(SIZE).....Coat / Pant in a Deluxe Backpack Kit
- BPK-CL4CK-(SIZE).....Coverall in a Deluxe Backpack Kit
- AFSC-CL4K-(SIZE).....Coat / Pant Kit in an Arc Flash Storage Canister
- AFSC-CL4CK-(SIZE)..... Coverall Kit in an Arc Flash Storage Canister



ULTRALITE SERIES

The Cementex UltraLite Series blends innovative design, tech and USA manufacturing to make the lightest, most comfortable Arc Flash PPE Task Wear available. The gray color not only allows for easy recognition of contaminated areas but has a significantly “cooler” feel in the outdoor sun.

This series includes many of the useful benefits of the “Feature Series” maximizing functionality, comfort and efficiency providing premium arc flash protection. We always consider how these items will be used in the field and how they will interact with other PPE such as insulating rubber gloves, hand tools, etc...

The UltraLite Series is available as **individual items** and conveniently configured **kits** to fit your specific requirements. We have many preconfigured kits that will satisfy most situations, however, custom kit combinations are available upon request and may include varying size of coat and pant and/or short or tall sizing.



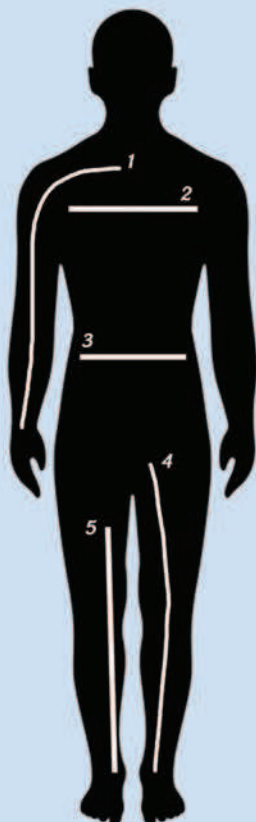
Cementex UltraLite Task Wear is proudly made with USA labor and materials to ensure quality, consistency and peace of mind.

- Available in sizes S-5X with a standard inseam of 32"
- Meets current ASTM F1506 standards
- Meets current ASTM F1959/F1959M-99

UltraLite Sizing

Proper Measurement Points

- 1) **Sleeve** - Start at the back of the neck and measure along the top of the arm to the wrist
- 2) **Chest** - Measure under armpits and around shoulder blades at the widest part of chest
- 3) **Waist** - Measure loosely around waist where a belt would sit
- 4) **Inseam** - Measure the inside of the leg start from crotch to an inch below the ankle



ULTRALITE SERIES SIZE CHART

(IN.)	S	M	L	XL	2X	3X	4X	5X
CHEST (2)	36-38	40-42	44-46	48-50	52-54	56-58	60-62	64-66
WAIST (3)	32-34	36-38	40-42	44-46	48-50	52-54	56-58	60-62
SLEEVE (1)	34.5	35.5	36.5	37.5	39	40.5	42	43.5
INSEAM (4)	32	32	32	32	32	32	32	32
PANT LEG (5)	23	23.5	24	25	26	27	28	28

THE MEASUREMENTS ABOVE ARE IN ACTUAL INCHES AND MAY NOT REFLECT HOW GARMENTS ARE FAMILIARLY SIZED. IF YOU HAVE ANY QUESTIONS ABOUT SIZING PLEASE CONTACT YOUR REPRESENTATIVE
**STANDARD INSEAM 32" SHORT 30" TALL 34"
***CUSTOM SIZING AVAILABLE

11 AND 12 CAL/CM² ULTRALITE TASK WEAR

An innovation in Level 2 Arc Flash PPE, developed as a simple solution to an often complex problem. Cementex's Category 2 UltraLite Task Wear provides premium safety and protection while maintaining, comfort, functionality and ease-of-use. The result is the lightest, most comfortable Level 2 compliant task wear.

BALACLAVA HOODED LONG SLEEVE T-SHIRT:

- Attached balaclava hood is designed to be comfortable when worn "up" achieving Level 2 compliance, or "down" achieving Level 1 compliance.
- By combining these task wear garments into one unit you can ensure your balaclava is always WITH your PPE Kit.
- The garment is an airy, comfortable blend made slightly oversized to fit comfortably overtop of daily wear.
- Indura Ultra-Soft® Knit Material body and balaclava
- Nomex® knit wrist cuffs tuck easily inside rubber insulating gloves.

PANTS:

- Simplicity with attention to detail
- Indura Ultra-Soft® Material
- FR hook and loop ankle adjustment to easily fit over boots
- High elastic waist for comfort and ample overlap with shirt and/or coat
- 2 "Slash Pockets" for access to daily wear

KITS INCLUDE:

- All kits include
 - Cementex 12 cal/cm² Arc Rated Face Shield and Class E Hard Hat
 - Safety Glasses and Ear Canal Inserts
 - Standard Duffel Kits
 - Storage Canister Kits ("AFSC-" Prefix)
 - (optional) Insulating Rubber Glove Kit
 - Backpack Kits ("BPK-" Prefix)
 - include TR-9ELK: 9 Pc Basic Electricians Tool Roll
 - (optional) Insulating Rubber Gloves and protectors
- *DOES NOT include Canvas Storage Bag*



CUL11-K
SHOWN WITH GLOVES OPTION

PN _____ UltraLite Task Wear Series _____

CUL11TBAL-(SIZE)..... Long Sleeve Balaclava Hooded T-Shirt (Gray)

CUL12PT-(SIZE)..... Simple Hi-Waist Pant (Gray)

PN _____ UltraLite Task Wear Series Kits _____

CUL11-K-(SIZE)..... Shirt and Pant Kit in an Arc Face Shield Storage Bag

AFSC-CUL11-K-(SIZE).. Shirt and Pant Kit in an Arc Flash Storage Canister

BPK-CUL11-K-(SIZE)..... Shirt and Pant Kit in a Deluxe Backpack with Tool Kit

UltraLite

40 cal/cm² UltraLite Task Wear

This breakthrough in technology joins two different materials to produce highly protective garments that are 37% lighter in weight than typical 40 cal/cm² garments, while maintaining premium comfort, durability, and wearability.



LIFT FRONT HOOD AND STANDARD HOODS ARE BOTH VENT FAN AND LIGHT "READY"



COATS/COVERALL:

- Hook and Loop front closure for easy and rapid removal
- Nomex® knit wrist cuffs for better use with insulating rubber gloves
- FR hook and loop ankle adjustment for easy fit over boots

PANTS/BIB:

- Quick connect shoulder straps for easy access and removal (Bib)
- FR hook and loop hip closure and ankle/calf adjustment

Hood:

- Legacy construction style or new Lift Front Design options
- Hood Light (optional)
- All UltraLite Hoods are "Vent Ready" and be upgraded to include a ventilation fan system.

PN _____ 40 cal/cm² UltraLite Task Wear _____

- CUL40CT-(SIZE).....Coat (Gray)
- CUL40LC-(SIZE).....Long Coat, 49" (Gray)
- CUL40PT-(SIZE).....Pant/Bib (Gray)
- CUL40OP-(SIZE).....Over Pant (Gray)
- CUL40CVL-(SIZE).....Coverall (Gray)
- CUL40LEG-(SIZE).....Legging (Gray)
- CUL40-AFH-G.....Arc Rated Flash Hood w/Helmet (Gray)
- CUL40-AFH-G-HL.....Arc Rated Flash Hood w/Light
- CUL40-AFH-V-G.....Arc Rated Flash Hood w/Vent Fan
- CUL40-AFH-V-G-HL.....Arc Rated Flash Hood w/Vent Fan and Light
- CUL40-AFH-LF-G.....Arc Rated Lift Front Flash Hood w/Helmet
- CUL40-AFH-LFV-G.....Arc Rated Lift Front Flash Hood w/Vent Fan
- LIGHT-1.....Flash Hood Headlight
- CUL40-VENT.....UltraLite Vent Fan System
- CUL40-AFH-G-RL.....UltraLite Hood Replacement Lens



VENT FAN



KITS IDENTIFIED BELOW
INCLUDE ST-DBS
CEMENTEX STANDARD
DUFFEL BAG



ADD PREFIX "AFSC-"
TO UPGRADE TO THE
ARC FLASH
STORAGE CANISTER KIT



ADD PREFIX "BPK-"
TO UPGRADE TO THE
DELUXE BACKPACK KIT



CUL40CK

SHOWN WITH GLOVES OPTION

CUL40K

SHOWN WITH GLOVES OPTION

KITS INCLUDE:

- All kits include
 - Arc Flash Suit Hood (Lift Front / Standard)
 - and Class E Hard Hat
 - Safety Glasses and Ear Canal Inserts
 - (optional) Hood Vent Fan Upgrade ("V")
- Standard Duffel Kits
 - (optional) Insulating Rubber Glove Kit
 - (optional) TR-9ELK: 9 Pc Basic Electricians Tool Roll
- Backpack Kits ("BPK-" Prefix)
 - (optional) Insulating Rubber Gloves and protectors
 - *DOES NOT include Canvas Storage Bag*
 - (optional) TR-9ELK: 9 Pc Basic Electricians Tool Roll
- Storage Canister Kits ("AFSC-" Prefix)
 - (optional) Insulating Rubber Glove Kit



PN _____ 40 cal/cm² UltraLite Kits

CUL40K-(SIZE)	Coat / Pant Kit in a Standard Duffel Bag
CUL40KV-(SIZE)	Coat / Pant Kit w/Vent Fan
CUL40KLF-(SIZE)	Coat / Pant Kit w/Lift Front Hood
CUL40KLFV-(SIZE)	Coat / Pant Kit w/Lift Front Hood and Vent Fan
CUL40COPK-(SIZE)	Coat and Over Pant Kit in a Standard Duffel Bag
CUL40COPKV-(SIZE)	Coat and Over Pant Kit w/Vent Fan
CUL40COPKLF-(SIZE)	Coat and Over Pant Kit w/Lift Front Hood
CUL40COPKLFV-(SIZE)	Coat and Over Pant Kit w/Lift Front Hood and Vent Fan
CUL40LCK-(SIZE)	Long Coat and Legging Kit in a Standard Duffel Bag
CUL40LCKV-(SIZE)	Long Coat and Legging Kit w/Vent Fan
CUL40LCKLF-(SIZE)	Long Coat and Legging Kit w/Lift Front Hood
CUL40LCKLFV-(SIZE)	Long Coat and Legging Kit w/Lift Front Hood and Vent Fan
CUL40CK-(SIZE)	Coverall Kit in a Standard Duffel Bag
CUL40CKV-(SIZE)	Coverall Kit w/Vent Fan
CUL40CKLF-(SIZE)	Coverall Kit w/Lift Front Hood
CUL40CKLFV-(SIZE)	Coverall Kit w/Lift Front Hood and Vent Fan

UltraLite

Contractor Series Arc Flash Hoods



CP-HVSM-4B



- Hood Vent System includes:
- High precision fan motor which provides over 6 cubic feet per minute (CFM)
 - Durable and inherently flame resistant plastic housing
 - Fresh air bladder
 - Reinforced plastic spiral hose
 - Requires 4 AA batteries (not included)

- FR Treated Cotton meets ANSI/ISEA 125 Level 2 Conformity and Arc Flash PPE Category 4 standards with an arc rating of 40 cal/cm².
- Khaki Color allows easy identification of debris and contaminants
- Nearly clear TCG Series hood window provides 100% true color acuity and includes anti-fog and anti-scratch resistant coatings
- All Hoods are "Vent Ready" and may be upgraded to include Hood Vent System

PN	DESC
HRC4-AFH-CGS.....	40Cal Contractor Series Arc Flash Hood
HRC4-AFH-CGS-HL.....	40Cal Contractor Series Arc Flash Hood with Light
HRC4-AFH-HVS-GS.....	40Cal Contractor Series Arc Flash Hood with Vent System
HRC4-AFH-HVS-GS-HL.....	40Cal Contractor Series Arc Flash Hood with Vent System and Light
AFH40-GC-RLS.....	40Cal Contractor Series Replacement Lens (Snaps)
CP-HVSM-4B.....	Contractor Series Complete Hood Vent System
CP4B-CS-FAN.....	Contractor Series Hood Vent Fan only*
CP4B-CS-HOSE.....	Contractor Series Hood Vent Bladder & Hose*
*Replacement components	

Feature Series Arc Flash Hoods



AFH-12C-G



AFH-12CLH-G



CS21HOOD-G



AFH40-FR-G

- Westex® Ultrasoft® materials
- Meet or exceed the standards set by NFPA 70E, CSA Z452 and OSHA 1910.269
- ANSI/ISEA Z87.1 (Impact Rating Z81+)
- PureView™ face shield technology features a greater range of visibility
- The AFH40-FR-FAN-G is constructed specifically to include dual fans which provide a gentle breeze reducing body temperature and decreasing lens fogging.
- Hood Light (Light-1) may be attached with included FR Hook and loop adhesive (optional)

PN	DESC
AFH-12C-G.....	12Cal Feature Series Arc Flash Hood
AFH-12CH-G.....	12Cal Feature Series Arc Flash Hood w/Hardhat
AFH-12CLH-G.....	12Cal Feature Series Arc Flash Lift Hood w/Hardhat
CS21HOOD-G.....	21Cal Feature Series Arc Flash Hood with Clear Lens
AFH40-FR-G.....	40Cal Feature Series Arc Flash Hood with Clear Lens
AFH40-FR-FAN-G....	40Cal Feature Series Arc Flash Hood with Vent Fan
AFH40-FR-G-RL.....	40Cal Feature Series Flash Hood Replacement Lens



UltraLite Arc Flash Hoods

Lift Front Hoods allow for quick and easy access to fresh air *when outside of determined safety boundaries.*



CUL40-AFH-LF-G WITH HOOD LIGHT (LIGHT-1)

All UltraLite Arc Flash Hoods:

- Arc Rated 40 cal/cm²
- Arc Flash PPE Category 4
- Multi-Layer System utilizing Dupont Protera® and Westex® UltraSoft® knit
- Hood Light strap for use with LIGHT-1
- "Vent Ready" and may be purchased with a ventilation fan system or included at a later date
- PureView™ face shield technology features a greater range of visibility
- Anti-fog and scratch resistant coating
- ANSI Rated, Hard Hat and headgear
- Meets or Exceeds NFPA 70E, CSA Z462 ASTM F1506, ASTM F2178, ANSI Z87S



CUL40-AFH-G-HL

The CUL40-VENT operates on 8 AA batteries (not included) and has an approximate runtime of 6.5-7 hours (longer with lithium batteries). This fan is extremely lightweight and easily snaps into place in the back area of the UltraLite hoods. With the air flow, as shown, on the back of the neck, the high-flow fan more efficiently circulates fresh air and reduces shield fogging.



CUL40-VENT



PN	DESC
CUL40-AFH-G.....	40Cal UltraLite Arc Flash Hood with Clear Lens
CUL40-AFH-G-HL.....	40Cal UltraLite Arc Flash Hood with Hood Light
CUL40-AFH-V-G.....	40Cal UltraLite Arc Flash Hood with Vent Fan
CUL40-AFH-V-G-HL.....	40Cal UltraLite Arc Flash Hood with Vent Fan and Hood Light
CUL40-AFH-G-RL.....	40Cal UltraLite Arc Flash Hood Replacement Lens - Clear
CUL40-AFH-LF-G.....	40Cal UltraLite Lift Front Arc Flash Hood with Clear Lens
CUL40-AFH-LF-G-HL....	40Cal UltraLite Lift Front Arc Flash Hood with Hood Light
CUL40-AFH-LFV-G.....	40Cal UltraLite Lift Front Arc Flash Hood Vent Fan
CUL40-AFH-LFV-G-HL..	40Cal UltraLite Lift Front Arc Flash Hood with Vent Fan and Hood Light
CUL40-AFH-LF-G-RL.....	40Cal UltraLite Lift Front Hood Replacement Lens - Clear
CUL40-VENT.....	40Cal UltraLite Ventilation Unit

Cementex Arc Rated Face Shields



AFS-180 (shown with UVSG-42 and CUL11TBAL)

- Molded shape provides minimal distortion
- Long length, chin cup, and sides provide superior coverage and protection
- Brow shield deflects impact of Arc Blast
- True Color Gray - TCG™ no color distortion
- Translucent sides and chin provide improved peripheral vision
- Exceptional Visible Light Transfer (VLT)
- Anti-Fog Interior Coating resists fogging
- Deluxe Scratch Resistant Exterior Coating
- Meets requirements of:
NFPA 70E, CSA Z462, ASTM F2178,
ANSI Z87.1, ANSI Z89.1, CSA Z94.1



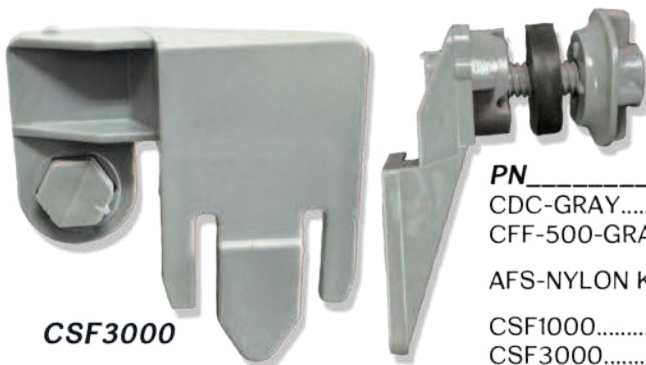
UVSG-42



EARPLUG

PN	DESC
AFS-180.....	12 cal/cm ² Arc Rated Face Shield (Gray) with Hardhat (Cementex Standard)
AFS-180K.....	12 cal/cm ² Arc Rated Face Shield (Gray) with Hardhat, 12 cal/cm ² FR Treated Cotton Balaclava (CSH-FRK), Safety Glasses, and Standard Face Shield Storage Bag
AFS-181.....	12 cal/cm ² Arc Rated Face Shield (Gray) with A1 (Bullard) Hard Hat Adapter
AFS-183.....	12 cal/cm ² Arc Rated Face Shield (Gray) with A3 (MSA) Hard Hat Adapter
AFS-185.....	12 cal/cm ² Arc Rated Face Shield (Gray) with A5 (Oberon) Hard Hat Adapter
AFS-360.....	12 cal/cm ² Arc Rated Face Shield (Gray) with Hardhat and Standard Face Shield Storage Bag
AFS-365.....	12 cal/cm ² Arc Rated Face Shield (Gray) with Hardhat and Deluxe Face Shield Storage Bag

Arc Rated Face Shield Parts and Accessories



CSF3000

PN	DESC
CDC-GRAY.....	12 cal/cm ² Arc Rated Face Shield Replacement Chin Cup (Gray)
CFF-500-GRAY.....	12 cal/cm ² Arc Rated Face Shield Replacement Side Panels (Gray)
AFS-NYLON KIT.....	12 cal/cm ² Arc Rated Face Shield 3pc Chin Cup Screw Set
CSF1000.....	Face Shield Hard Hat Adapter (White - A1 Bullard Hard Hat)
CSF3000.....	Face Shield Hard Hat Adapter (Gray - A3 MSA Hard Hat)
CSF5000.....	Face Shield Hard Hat Adapter (Black - A5 Oberon Hard Hat)

Balaclava Sock Hoods

Comfort and coverage are key factors in the design of all Cementex balaclavas. They are an integral component of any Arc Flash PPE system. It protects your head and neck from the heat of an arc flash and your skin and hair from burns that can be produced by the burst of hot air from any kind of electrical arc flash or blast.



CSH-FRK



CSH-WR



PN	DESC
CSH-WR.....	10 cal/cm ² Nomex® (White)
CSH-FRK.....	12 cal/cm ² FR Treated Cotton Knit (Navy)
CSH-CXR.....	23 cal/cm ² CarbonX® (Black)
CSH-24N.....	24 cal/cm ² Indura® Ultra Soft® Knit (Navy)
CSH-27CK...	27 cal/cm ² Carbon/Kevlar (Color)
CSH-45CX...	45 cal/cm ² CarbonX® (Black)

Hard Hats ANSI/ISEA Z89.1

- Suspension Webbing (non-CSA) provides superior comfort and fit
- Quick and secure size adjustment
- Class E

PN	DESC
SHH-40-A5.....	Hard Hat with Ratcheting Size Adjustment (White) (A5 Replacement for AFS-180)
SHH-40W.....	Hard Hat with Ratcheting Size Adjustment (White)
SHH-40W-RT...	Hard Hat with Rain Trough (White)
SHH-40W-SP...	Hard Hat with CSA Approved Side Impact Protection (White)



SHH-40W

****NOTE: Other hard hat colors are available upon request and are special order - minimum quantities may apply.****

PPE Accessories



LIGHT-1

Arc Flash Hood and Helmet Light

- 3 distinct beam profiles easily accessed with a simple press, hold, or double press of the button
- 1 Maxbright LED creates a powerful spot beam
- 2 White Ultrabright LEDs deliver a dimmable flood
- 2 Red Ultrabright LEDs handle close-range lighting
- Can be locked to prevent accidental "turn-on" when not in use. Bright, durable LED Light (205 Lumens)
- Connects to Cementex hoods with Light Strap and includes ultra strong hook and loop connection for Face Shields and Hoods without Light Strap
- 205 Lumens, 150hr Burn Time, 92g, 3 AAA batteries

PN _____ DESC _____

LIGHT-1..... Light with Strap connector and Velcro

Safety Glasses ANSI/ASSE Z87.1



UVSG-42

- Clear UV absorbing lens
- Lightweight

PN _____ DESC _____

UVSG-42..... Standard Safety Glasses

UVSG-44..... Over-Rx Glasses Safety Glasses

UVSG-94..... CSA Rated Safety Glasses

Hearing Protection



EARPLUG

OSHA AND NFPA® have determined that workers inside the arc flash boundary shall wear hearing protection. Ear canal inserts are the form of hearing protection recognized as they provide the least interference with the use of other PPE to protect the head and face. Other types of protection are acceptable, but MUST be worn under appropriate arc rated material.

PN _____ DESC _____

EARPLUG..... Classic Ear Canal Insert (Pair)

EARPLUGS-25 PACK.... Classic Ear Canal Insert (25 Pair)

Hair and Beard Nets

Full coverage FR hair nets and beard nets feature an elastic fit and soft breathable FR fabric designed for comfort and flexibility. Made in the USA the Nomex knit FR fabric will not melt, drip or ignite.

- 2.9 cal/cm² rating
- Designed for multiple wears
- (follow laundering instructions on garments label)



Hair Net

PN _____ DESC _____
CFRHN-G.....Nomex® Hair Net (Gray)

Beard Net

PN _____ DESC _____
CFRBN-G.....Nomex® Beard Net (Gray)



Hood and Face Shield Storage



AFS-SB

- Simple
- Durable
- Effective



AFS-DB

- Durable Canvas
- Lined to protect vulnerable Face Shield lenses



ST-AFSC

- Ultra Durable construction
- Hot or Cold it is built to withstand the elements
- XL Dimensions fits Arc Flash Storage Hoods (14" D x 16" H)
- Stackable for easy storage
- Seal-Tight Lid for reliable closure

PN _____ DESC _____
AFS-SB.....Standard Face Shield Storage Bag
AFS-DB.....Deluxe Face Shield Storage Bag

ST-AFSC.....Arc Flash Storage Canister

Hair Nets / Shield Storage

Hi-Vis Vests



CHVWV2V

CHVMV2V

CHVMV2Z

CHVMV3V

Mesh

- ASTM 1506 - OSHA 1910.269 - NFPA 70E® - CSA Z462

PN _____ DESC _____

- CHVMV2Z-(SIZE)... 4.6 cal/cm² ANSI Class 2 Hi-Vis Mesh Vest with FR zip front closure
 CHVMV2V-(SIZE)... 4.6 cal/cm² ANSI Class 2 Hi-Vis Mesh Vest with FR hook and loop closure
 CHVMV3Z-(SIZE)... 4.6 cal/cm² ANSI Class 3 Hi-Vis Mesh Vest with FR zip front closure
 CHVMV3V-(SIZE)... 4.6 cal/cm² ANSI Class 3 Hi-Vis Mesh Vest with FR hook and loop closure

Woven Twill

- ASTM 1506 - OSHA 1910.269 - NFPA 70E®/2112 - CSAZ462

PN _____ DESC _____

- CHVWV2Z-(SIZE)... 8.9 cal/cm² ANSI Class 2 Hi-Vis Woven Vest with FR zip front closure
 CHVWV2V-(SIZE)... 8.9 cal/cm² ANSI Class 2 Hi-Vis Woven Vest with FR hook and loop closure
 CHVWV3Z-(SIZE)... 8.9 cal/cm² ANSI Class 3 Hi-Vis Woven Vest with FR zip front closure
 CHVWV3V-(SIZE)... 8.9 cal/cm² ANSI Class 3 Hi-Vis Woven Vest with FR hook and loop closure



4.6 cal/cm² FR Mesh
 (5.8 oz Material)

- Arc Flash PPE Category 1
- Inherently flame resistant material
- Inner left chest pocket
- 2" Segmented FR reflective trim
- Lightweight and breathable
- ANSI/ISEA 107 / Type R Class 2 and 3
- Available with FR zip front closure or FR hook and loop closure
- Class 2 Sizes S-4X, Class 3 Sizes S-3X (typical USA T-shirt sizing)

8.9 cal/cm² Westex® DH Woven Twill
 (6.5 oz Material)

- Arc Flash PPE Category 2
- Inherently flame resistant material
- 2" FR silver reflective trim
- ANSI/ISEA 107 / Type R Class 2 and 3
- Available with FR zip front closure or FR hook and loop closure
- Sizes S-3X (typical USA T-shirt sizing)

Cooling Vests



CCV-ARC-R

FR Cooling vest MUST be used in conjunction WITH AND under the appropriate arc flash protection.

- Vest is NOT intended as primary arc flash protection.
- Each vest comes with one set of eight (8) cooling packs.
- Cooling time approximately one (1) hour. Cooling time may vary depending on ambient temperature and exertion level of wearer.
- Cooling packs may be placed in freezer or ice water for activation
- Regular (R) size fits 5' - 5'10"

PN _____ DESC _____

- CCV-ARC-R.....Jacket Style Cooling Vest
 (Includes 1 set of 8 cooling packs)
 CCV-PK.....Replacement Cooling Pack (1 Pack)
 CCV-PKS.....Cooling Pack Set (8 Packs)

Belts

Black FR Kevlar Webbing Adjustable Belts:

- Inherently FR but not arc rated
- Approximately 1" width
- Available sizes:

- 26" - 32" (2632)
- 34" - 40" (3440)
- 42" - 48" (4248)
- 50" - 56" (5056)



FRAB2632

PN _____ DESC _____
 FRAB(SIZE).... FR Kevlar® Adjustable Belt

Arc Supression Blankets

- All Blankets meet and exceed ASTM F2676 and ASTM F3272 blanket standards
- Designed to divert energy away from the worker while performing work in confined areas such as underground vaults
- Used to create a barrier between work area and anything that could be an Arc Flash Hazard
- Blankets may be anchored to walls or ceiling and floors
- Each 4' x 5' blanket comes with 10 Kevlar® rope straps that are 48" in length that can be used to safely secure the blanket for use.
- Each 5' x 8' blanket comes with 14 Kevlar® rope straps that are 48" in length that can be used to safely secure the blanket for use.
- Includes orange nylon storage bag
- Meet and exceed standards set by:

NFPA 70E

CSA Z462

CAN/ULC S801

Always store the blanket out of sunlight and keep clean
Blankets DO NOT provide insulation from shock.



PN	DESC
ASB-4X5-15.....	15kA (BTP 181) Arc Blanket: 4' x 5'
ASB-5X8-15.....	15kA (BTP 181) Arc Blanket: 5' x 8'
ASB-4X5-25.....	25kA (BTP 270) Arc Blanket: 4' x 5'
ASB-5X8-25.....	25kA (BTP 270) Arc Blanket: 5' x 8'
ASB-4X5-40.....	40kA (BTP 517) Arc Blanket: 4' x 5'
ASB-5X8-40.....	40kA (BTP 517) Arc Blanket: 5' x 8'

(BTP=Break-Open Thermal Protection)

Protects workers from falls caused by electric arc flash and/or arc blast exposure when working at heights or in confined space applications near energized electrical sources.

Unique Features of this premium harness:

- Patented ComfortLegs™ lateral leg strap construction greatly improves mobility and comfort
- Premium overmolded alloy steel dorsal, sternal, and hip D-rings, quick-connect leg, belt and chest buckles, and torso adjusters
- Arc resistant Nomex® webbing with Kevlar® fiber core throughout shoulders, torso, belt, and legs.
- Shoulder yoke, sub-pelvic leg pads and 6" waist support positioning pads feature ripstop and quilted Nomex® fabrics for advanced Arc Flash protection
- Overmolded quick-connect buckle with positive connection indicator
- Includes paired lanyard parking keepers and Nomex® label cover
- Includes Arc Flash rated Suspension Trauma Relief Straps

Specifications:

- Material
 - Webbing: Nomex®/Kevlar®; 5,000 lb min. static strength
 - D-rings: Overmolded alloy steel; 5,000 lb min. static strength
 - Buckles & Adjusters: Overmolded alloy steel; 3,372 lb min. static strength
- Performance
 - Static Strength: 3,600 lb min
 - ANSI User Capacity: 130 to 310 lb max.
 - OSHA User Capacity: 130 to 425 lb max.
- Compliance
 - ANSI: Z359.11-2021
 - OSHA: 1926.502 and 1910.66
 - ASTM: F887-20

Arc Flash Harness
Product Cut Sheet



Harness Lanyard
Product Cut Sheet



PN	DESC
AFHARNESS-XS.....	Arc Flash Fall Harness X-Small
AFHARNESS-S.....	Arc Flash Fall Harness Small
AFHARNESS-M.....	Arc Flash Fall Harness Medium
AFHARNESS-L.....	Arc Flash Fall Harness Large
AFHARNESS-XL.....	Arc Flash Fall Harness X-Large
AFHARNESS-2X.....	Arc Flash Fall Harness 2X-Large
AFHARNESS-3X.....	Arc Flash Fall Harness 3X-Large
AFHARNESS-LANYARD.....	Arc Flash Harness Lanyard
AFHARNESSKIT-(SIZE).....	Arc Flash Fall Harness Kit

(Available in XS, S, M, L, XL, 2X, 3X)

Arc Blankets / Harness

Insulating Rubber and Hot Stick Storage

The part numbers shown below are for storage only. The blankets and clamps shown are not included.

PN _____ DESC _____

BLK-SC4..... 4-1/2" I.D. Blanket Canister

BLK-SC6..... 6" I.D. Blanket Canister

BLK-SC7..... 7" I.D. Blanket Canister

BLK-SC7H..... 7" I.D. Blanket Canister with Handle

BLK-SC10H..... 10" I.D. Blanket Canister with Handle

*I.D. = Inside Diameter



Image represents the BLK-C2 kit



BLK-SC7

Image represents the BLK-C0 kit



BLK-SC10H

PN _____ DESC _____

ES-CLAMP..... ElectroShield Clamp (Pair)

ES-CSB..... ElectroShield Carry/Storage Bag



Image represents the ESO-7.5K kit

PN _____ DESC _____

CGB12..... 14" Canvas Glove Storage Bag with single snap closure and belt hook

CGB16..... 16" Canvas Glove Storage Bag with double snap closure and belt hook

CGB20..... 20" Canvas Glove Storage Bag with double snap closure and belt hook

ST-SLVB..... Sleeve Storage Bag with dual snap closure



CGB12

CGB16

CGB20

ST-SLVB

PN _____ DESC _____

ST-HSB-4..... 4'8" Hi-Vis Hot-Stick Storage bag with dual snaps

ST-HSB-6..... 6'8" Hi-Vis Hot-Stick Storage bag with dual snaps

ST-HSB-8..... 8'8" Hi-Vis Hot-Stick Storage bag with dual snaps

ST-HSB-10..... 10'8" Hi-Vis Hot-Stick Storage bag with dual snaps

ST-HSB-12..... 12'8" Hi-Vis Hot-Stick Storage bag with dual snaps

ST-HSB-14..... 14'8" Hi-Vis Hot-Stick Storage bag with dual snaps

ST-HSB-4



Protect your greatest assets (people) by protecting your PPE.

****The part numbers shown below are for storage only. The face shields shown are not included.****

- **Duffels** provide large open access and protection at an economical price
- **Backpack** allow hands-free transportation and compartments for better protection and organization
- **Canisters** provide ultimate protection for Arc Flash Suits (Hood or Face Shield) with its oversized 14" Diameter

AFS-SB

- Simple
- Durable
- Protective



ST-AFSC

- Ultra durable construction
Hot or Cold it is built to withstand the elements
- XL Dimensions fits
Arc Flash Storage Hoods (14" D x 16" H)
- Stackable for easy storage
- Seal-Tight Lid for reliable closure

AFS-DB

- Durable Canvas
- Lined to protect vulnerable Face Shield lenses



ST-DBS



ST-DBD



ST-BPD

PN	DESC
AFS-SB.....	Arc Face Shield Storage Bag
AFS-DB.....	Deluxe Arc Face Shield Storage Bag
ST-AFSC.....	Arc Flash Storage Canister
ST-DBS.....	Standard Duffel Bag (Orange with Black Handles)
ST-DBD.....	Deluxe Duffel Bag with Reinforced Bottom (Yellow with Black Handles)
ST-BPD.....	Deluxe Backpack with 5 separate compartments (no glove bag required*)
	*gloves should never be stored in the bottom compartent.
ST-BPDW.....	Wheeled Deluxe Backpack with 5 separate compartments

Tool Pouches

PN..... **DESC**.....

ST-AKPS..... Hex Key Pocket Pouch
2 internal pockets and
tri-flap closures secure
small tools
11-1/2" x 8" when closed

ST-BPS..... Belt Pouch: Small

ST-BPL..... Belt Pouch: Large



ST-SDNDP6XL... Driver Roll Pouch 6 Pkt

ST-SDNDP8XL... Driver Roll Pouch 8 Pkt

ST-SDNDP12XL.. Driver Roll Pouch 12 Pkt



ST-TR8..... Tool Roll Pouch 8 Pkt (8 Pliers)

ST-TR9..... Tool Roll Pouch 9 Pkt (4 Pliers / 5 Drivers)

ST-TR10..... Tool Roll Pouch 10 Pkt (5 Pliers / 5 Drivers)

ST-TR11..... Tool Roll Pouch 11 Pkt (4 Pliers / 7 Drivers)

ST-TR12..... Tool Roll Pouch 12 Pkt (6 Pliers / 6 Drivers)

ST-TR12MRSK.... MR Tool Roll Pouch 12 Pkt (5 Pliers / 7 Drivers)



ST-WP8..... Wrench Roll Pouch 8 Pkt

ST-WP11..... Wrench Roll Pouch 11 Pkt

ST-WP13..... Wrench Roll Pouch 13 Pkt



ST-ZP..... Zippered Pouch 12" x 7"

ST-EPZP..... Zippered Plier Pouch (6 Pliers Holsters)

ST-SP12-12..... Pkt Pouch 12, ISS12-12L



Tool Pouches / Rolls

Tool Bags

PN	DESC
ST-THBS	T-Handle Bag, Standard
ST-THBL	T-Handle Bag, Long
ST-THBXXL	T-Handle Bag, XX Long w/reinforced bottom
ST-ZTB11X15	Zippered Tool Bag, 11" x 15" (Red and Black)
ST-DTB	Oval Tool Bin with with tool pockets w/ reinforced bottom
ST-BPKTechPac	Backpack 19" x 15" x 8"
ST-BPKSuperTech	Backpack 18" x 15" x 8"

ST-THBS

ST-DTB

ST-THBL

ST-ZTB11X15

ST-THBXXL

ST-BPKTechPac

ST-BPKSuperTech

Boxes/Cases

PN	DESC
ST-ZSC8	Zippered Soft Case 8
ST-ZSC9	Zippered Soft Case 9
ST-ZSC16	Zippered Soft Case 16
ST-ZSC30	Zippered Soft Case 30
ST-DLX-TC	Deluxe Tool Case
ST-DLX-TCW	Deluxe Tool Case with Wheels
ST-BMS	Blow Molded Case, Small
ST-BML	Blow Molded Case, Large
ST-SC501	Snap Closure Case 501 (10-3/8" x 4-5/8" x 2-1/2")
ST-SC601	Snap Closure Case 601 (14" x 6-1/4" x 2-1/2")
ST-SC701	Snap Closure Case 701 (17-1/2" x 7-3/4" x 2-1/2")
ST-TBP20	20" Tool Box (Gray)

ST-ZSC8

ST-ZSC9

ST-ZSC16

ST-ZSC30

ST-IM518

ST-TBP20

ST-SC-701
ST-SC601
ST-SC501

ST-DLX-TCW

Testing and Recertification Services



In order to maintain compliance with requirements established by OSHA 1910.137(b)(2)(vii), NFPA 70E® and CSA Z462; Rubber Insulating Products shall be subjected to periodic electrical tests in accordance with the ASTM standard identified in the chart below.

As an Accredited Member of THE ASSOCIATION OF NORTH AMERICAN INDEPENDENT LABORATORIES FOR PROTECTIVE EQUIPMENT TESTING (NAIL for PET), you are assured that testing of these protective devices is performed as it should be. Cementex insures all testing devices are properly calibrated and all tests are performed as required by the corresponding ASTM Standard.



Rubber Insulating Equipment	When to Test	Governing Standard for Test Voltage
Blankets	Before first issue; every 12 months thereafter†	ASTM F 479
Covers	If insulating value is suspect	ASTM F 478
Gloves	Before first issue; every 6 months thereafter	ASTM F 496
Line Hose	If insulating value is suspect	ASTM F 478
Sleeves	Before first issue; every 12 months thereafter	ASTM F 496



Rubber Insulating Product Testing

PN _____ DESC _____

CPT-GLV.....Glove Testing, All Classes
CPT-BLK.....Blanket Testing, All Classes (36" x 36")
CPT-SLV.....Sleeve Testing, All Classes
CPT-LH.....Line Hose, Per 6 foot length
CPT-OS.....Overshoe and Boot Testing
CPT-MAT.....Shielding Material Testing

Hot Stick and Insulated Equipment Testing

PN _____ DESC _____

CPT-HS.....Fixed Length Sticks (Up to 10 Feet)
CPT-HSAF.....Fixed Length Sticks (Each additional Foot over 10 Feet)
CPT-CS.....Shotgun Sticks (Up to 10 Feet)
CPT-CSAF.....Shotgun Sticks (Each additional Foot over 10 Feet)
CPT-THS.....Telescoping Sticks (Per Telescopic Section)
CPT-HS-REPAIR...Hotstick Repair / ReWork

Torque Wrench Recalibration and Recertification Services*

PN _____ DESC _____

CPT-TW..... Torque Wrench, Recalibration and Recertification (excludes any major repair costs)
CPT-TS..... Torque Screwdriver, Recalibration and Recertification (excludes any major repair costs)

*Torque Wrench recalibrations and recertification services are not subject to discounts.

Testing Services

ASTM F1505 Tests

All Cementex Voltage Rated Hand Tools are tested to comply with safety and manufacturing standards.

ALWAYS! de-energize equipment when feasible if it's not a greater hazard to de-energize.

When working on or near energized equipment is necessary, you can trust that Cementex is the Safety Tool Specialists you can rely upon.

IT'S YOUR LIFE AT RISK!

Use quality equipment and inspect it personally before each use.

Adhesion Testing - testing critical Insulation/Tool bonding



Cementex bonding methods and superior insulation material let us guarantee a bond that is both secure and permanent.



Indentation Testing

- small surface area durability

Talk about making a point; this dielectric test shows, with pinpoint accuracy, the value of Cementex Insulated Tools.



Impact Testing

- blunt surface impact durability

Even "The Best" drop a tool now and then. Cementex exclusive insulation, the most durable of its kind, keeps on protecting drop, after drop, after drop... you get the point.



Flammability / Combustibility

The burning question is whether or not your tool will cause injury during an arc flash. If you're using Cementex tools, which self-extinguish... the answer is No.



H²O Dielectric Testing - uniform insulation coverage and protection

The most stringent test for tools is the water bath electrical testing. Every single Voltage Rated tool that leaves our doors is given a dielectric test assuring with Cementex, you are getting the best tools available.



DETAILED ARC FLASH & SHOCK EQUIPMENT LABEL SPECIFICATION

REFERENCE NFPA 70E ARTICLE 130.5(H) EQUIPMENT LABELING

Cementex
The Safety Tool Specialists

CEMENTEXUSA.COM

SIGNAL PANE
Includes the Safety Alert Symbol: 
Indicates a potential personal injury hazard.

Includes the Signal Word:
Calls attention to the safety message.
(ie. DANGER, WARNING, CAUTION, NOTICE)

INFORMATION PANE
Arc-rated Arc Flash PPE Selection:
Select arc flash PPE with an Arc Thermal Performance Value (ATPV) equal to or greater than the incident energy listed.

Arc Flash Boundary:
Calculated distance where incident energy is 1.2 cal/cm².

No arc flash PPE required when standing outside the arc flash boundary.

WARNING
Arc Flash and Shock Hazard

ARC FLASH PPE 56.1 cal/cm ² incident energy	SHOCK PROTECTION 480 VAC
Arc Flash Boundary Working Distance 144 inches 24 inches	RIG Class # 0 Limited Aprch. Boundary 42 inches Restricted Aprch. Boundary 12 inches (FOR EXPOSED ENERGIZED CONDUCTORS or CIRCUIT PARTS)
Equipment: MCC #1 Building, SWGR #1 Protective Device: LOAD SIDE of FB-1 Report #: TWBESC-XXX-YYY-AHA-ZZZ Rev 1.0	Analysis By: TWBESC Date: 2021-01-30 Standard #: IEEE 1584-2018

FOOTER

WARNING SIGNAL WORD - when incident energy is ≤140.0 cal/cm²
DANGER SIGNAL WORD - when incident energy is ≥140.1 cal/cm²
ANSI Z535 DISTINCT COLOURS
 Warning  Danger
MESSAGE PANE
The equipment label applies to arc flash and shock hazards when a worker is exposed related to the energized electrical work task they would perform.
INFORMATION PANE
Shock Protection:
Maximum nominal voltage of exposed conductors and circuit parts with inadvertent movement risk.

Rubber Insulating Glove (RIG) Class #:
See table at right for complete list of Class #s and voltage ratings.

Limited Approach Boundary:
No shock PPE tools or equipment required when inside the Limited Approach Boundary. Unqualified persons must be fully escorted.

Restricted Approach Boundary:
Qualified persons only. Qualified persons shall use rubber insulating gloves with leather protectors and other insulating tools when inside the Restricted Approach Boundary.

MINIMUM LABEL REQUIREMENT
WARNING
Arc Flash Hazard

Rubber Electrical Protective Equipment Class #

Class #	Max. Use Voltage AC	Max. Use Voltage DC	Notes:
00	500VAC	750VDC	Leather protector gloves shall be correct Class # and size to match rubber insulating glove.
0	1000VAC	1500VDC	Storage bag needs to be specified to accommodate glove length, stored flat.
1	7500VAC	11250VDC	Vinyl bag with two pockets recommended.
2	17000VAC	25500VDC	Rubber insulating gloves and leather protectors shall be air and visually inspected before use.
3	26500VAC	39750VDC	
4	36000VAC	54000VDC	

Nominal System Voltage Range - Phase to Phase	Limited Approach Boundary - Exposed Fixed Circuit Part	Restricted Approach Boundary (includes inadvertent movement added)
≤ 30V	Not Specified	Not Specified
50V to 150V	1.0 m (3 ft. 6 in.)	Avoid Contact
151V to 750V	1.0 m (3 ft. 6 in.)	0.31 m (1 ft. 0 in.)
751V to 5kV	1.0 m (3 ft. 6 in.)	0.63 m (2 ft. 1 in.)
5.1kV to 15kV	1.5 m (5 ft. 0 in.)	0.65 m (2 ft. 2 in.)
15.1 kV to 36kV	1.8 m (6 ft. 0 in.)	0.77 m (2 ft. 7 in.)

Equipment: The electrical equipment that the arc flash hazard incident energy analysis has been completed for.
Protective Device: The upstream electrical protective device that the incident energy calculated is based on. Indication if any incident energy reduction method is installed and needs to be verified functional.
Report #: Consulting engineer's P.Eng or PE authenticated report that has been issued.
Analysis By: Engineering consultant's name.
Date: Issued date of equipment labels (validate study is current every 5 years).
Standard: Applicable standard/calculation methodology.

WARNING
Arc Flash and Shock Hazard

ARC FLASH PPE 17.8 cal/cm ² incident energy	SHOCK PROTECTION 600 VAC
Arc Flash Boundary Working Distance 72 inches 24 inches	RIG Class # 0 Limited Aprch. Boundary 42 inches Restricted Aprch. Boundary 12 inches (FOR EXPOSED ENERGIZED CONDUCTORS or CIRCUIT PARTS)
Equipment: MCC #1 Building, SWGR #1 Protective Device: LOAD SIDE of FB-1, Arc Flash Relay ON Report #: TWBESC-XXX-YYY-AHA-ZZZ Rev 1.0	Analysis By: TWBESC Date: 2021-01-30 Standard #: IEEE 1584-2018

WARNING
Arc Flash and Shock Hazard

ARC FLASH PPE 26.8 cal/cm ² incident energy	SHOCK PROTECTION 480 VAC
Arc Flash Boundary Working Distance 72 inches 24 inches	RIG Class # 0 Limited Aprch. Boundary 42 inches Restricted Aprch. Boundary 12 inches (FOR EXPOSED ENERGIZED CONDUCTORS or CIRCUIT PARTS)
Equipment: MCC #1 Building, SWGR #1 Protective Device: LOAD SIDE of FB-1, Maint. Mode ON Report #: TWBESC-XXX-YYY-AHA-ZZZ Rev 1.0	Analysis By: TWBESC Date: 2021-01-30 Standard #: IEEE 1584-2018

DANGER
Arc Flash and Shock Hazard

ARC FLASH PPE 140.1 cal/cm ² incident energy	SHOCK PROTECTION 480 VAC
Arc Flash Boundary Working Distance 480 inches 24 inches	RIG Class # 0 Limited Aprch. Boundary 42 inches Restricted Aprch. Boundary 12 inches (FOR EXPOSED ENERGIZED CONDUCTORS or CIRCUIT PARTS)
Equipment: MCC #1 Building, SWGR #1 Protective Device: LINE SIDE of FB-1 Report #: TWBESC-XXX-YYY-AHA-ZZZ Rev 1.0	Analysis By: TWBESC Date: 2020-01-30 Standard #: IEEE 1584-2018

WARNING
Arc Flash and Shock Hazard

REFER TO [COMPANY]
ELECTRICAL MAINTENANCE DEPARTMENT
ARC FLASH INCIDENT ENERGY STUDY RESULTS
TABLE OR CMMS ASSET RECORD FOR
ARC FLASH & SHOCK DATA

CONTACT PHONE: (XXX) XXX-XXXX
Building ID, Office ID

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ELECTRICAL SAFETY CONSULTING www.twbesc.ca

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