

ArcSafe

Elvex Arc Shields

ELVEX ARC SHIELDS

The ArcSafe Elvex Arc shields are a Molded polycarbonate faceshield measuring 10" x 18.5" x .075", providing full wrap protection. Available in various kits and as a separate face shield.

Key Benefits of Elliotts ArcSafe Elvex Shields & Kits

- All ArcSafe Elvex Arc shields are tested and certified at Kinectrics High Current Laboratory.
- ArcSafe Elvex's ARC shields are proprietary designs, moulded from polycarbonate materials with special absorbers and made to an industry leading 19mm thickness for maximum thermal and impact protection.
- The shields are designed in light green to provide excellent visible light transmission (VLT).
- Good color visibility is maintained.
- Protection value (ATPV) for FS18ARC10 Shield is 13 cal/cm².
- Protection value (ATPV) for FS20ARC10 Shield is 13 cal/cm².
- FS20ARC10 is equipped with a chinguard.
- Shields come with standard anti-fog coating
- Shields available with Visor Bracket for mounting to various style safety caps
- Complete kits available, consisting of helmet, visor brackets, visor, balaclava and kit bag.
- The Elliotts ArcSafe Balaclava is included in Kit3 and has an ATPV of 23.3cal/cm².



TAKE CARE

What is an Arc Flash Hazard?

An arc flash hazard is a dangerous condition associated with the release of energy caused by an electric arc. This explosive condition includes a broad spectrum of electromagnetic energy, plasma, fragments and a spray of molten materials.

When an electric current passes through the air between ungrounded conductors or between ungrounded and grounded conductors. Temperatures can reach 35,000 degree Fahrenheit making exposure to this extreme thermal energy hazardous.

Application

For electric arc protection, NFPA70E hazard risk category 1 and 2 (EAARC1210) and hazard risk category 2 (EAARC1210C). Light green polycarbonate with absorbers for electric arc protection. Anti fog coating is standard, ANSI Z87.1 impact rated.

Standards

AS/NZS 4836:2011 Safe working on or near low-voltage electrical installations and equipment specifies the following Personal Protective Equipment (PPE)

Types of Arc Flash Clothing

HEAD PROTECTION	PRIMARY	SECONDARY
ARC-FLASH SWITCHING HOOD	✓	
ARC RATED FACE SHIELD		✓
FR BALACLAVA		✓

HEAD PROTECTION	PRIMARY	SECONDARY
ARC FLASH SWITCHING COAT & LEGGINGS	✓	
ARC FLASH SWITCHING JACKET & TROUSER	✓	
ARC FLASH SWITCHING GLOVES	✓	
WALLS FR & TECASAFE PLUS FR WORKWEAR		✓



IMPORTANT ARC FLASH SWITCHING PROTECTIVE CLOTHING “MUST HAVES”

- Ensure that no skin is exposed.
- Ensure that the pant legs (if not connected to boots) completely go down to the boot
- Ensure that the sleeves of the protective work wear go down to the hand, leaving none of the arm exposed.
- Important, don't forget your head: Remember that the head is the most vulnerable part of the body. Don't forget to complete your arc flash protective clothing with suitable head gear of the same ATPV rating as the rest of the work-wear plus high voltage gloves.

PRODUCT DATA SHEET

ARCSAFE ELVEX ARC SHIELD

Face Shield Material: Molded polycarbonate
 Face Shield Colour: Light Green
 ATPV: 13 cal/cm²
 NFPA 70E Hazard Risk Category: HRC2
 Visible Light Transmittance (VLT): 60%
 UV Protection: 99%/ 180-380 nm
 Shield Size: 10" x 18.5" x .075"

Standards

Complies with AS/NZS 4836:2011 requirements ARC RATING to ASTM F2178-08 Standard / procedure ASTM F2178-02. Certified test reports available based on testing by Hugh Hoagland at Kinectrics High current Laboratory Toronto, Canada ANSI Z87.1 standard NOTE: NFPA 70E requires users to wear safety helmet, balaclava, ear plugs, and glasses with an ARC rated face shield.

Temperature Resistance

Suitable to withstand thermal energy release during ASTM 2178-08 test standard, refer to Hugh Hoagland/ARCWEAR test report 1008F18ARC10, Revision: 01 Brittle temperature, -211 degree F / - 99 degree C



FS18ARC10
ARCSAFE ELVEX ARC SHIELD



HEAD PROTECTION	FACESHIELD	VISOR BRACKET	HARD HAT	BALACLAVA	CARRY BAG
FS18ARC10	✓				
FS18ARC10KIT1	✓	✓			
FS18ARC10KIT2	✓	✓	✓		✓
FS18ARC10KIT3	✓	✓	✓	✓	✓

Faceshield Product Warning: Do not store face Shields in direct sunlight. Do not place face shield near heat source.
 Do not use face shield for electric arc welding.
 Hazard Assessment: The user must perform a hazard risk assessment to determine the level of protection required.