

Arc Flash Protection

Head to Toe Personal Protective Equipment



OBERON[®]

The Pioneer & Technology
Leader in Arc Flash PPE



ASTM F1506

If the label does not say it, do not use it!!

F1506 details the specifications of a textile to be used by an electrical worker as a means of electrical arc protection. A garment must include a label, which states ALL six of these items to qualify as a Arc protective garment:

- ⇒ Tracking Identification Code
- ⇒ Meets F1506
- ⇒ Manufacturer's Name
- ⇒ Care Instructions & Fiber Content
- ⇒ Size and other associated standard labeling
- ⇒ "Arc Rating" - ATPV or E_{BT}

"When garments are made with a different number of fabric layers in different areas of the garment, the arc rating for each area shall be designated. Pockets, trim, closures, seams, labels and heraldry shall not be considered as extra layers."



ASTM F1959

All Arc Flash Garments are not created equal!!

F1959 details the standardized test method, which must be employed to determine the thermal protective value of a textile material in an Electrical Arc application.

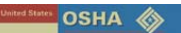
- ⇒ Stoll Curve - curve used to predict the onset of a second degree burn
- ⇒ Requires a minimum of 20 test data points
- ⇒ Arc Rating: ATPV: defined as the minimum incident thermal energy that causes the onset of a second degree burn

when Stoll is reached without breakopen occurring.

E_{BT}: defined as the average of the five or more highest incident exposure energy values (without breakopen) below Stoll when breakopen occurs before reaching Stoll.

Look for an arc rating ATPV or E_{BT} to insure compliance with ASTM F-1506 & NFPA 70E. No garment should be used in a hazard greater than its stated arc rating.

We do not recommend using E_{BTAS} because you will not be in compliance with F-1506 nor NFPA 70E and a second or third degree burn could result using this value. E_{BTAS} by definition is a rating above Stoll (occurrence of a second degree burn). E_{BTAS} is used primarily in the Rainwear standard (ASTM F1891).



OSHA 29 CFR 1910.269 1, 6, iii

Flame retardant clothing is a requirement!!

"The employer shall ensure that each employee who is exposed to the hazards of flames or electric arcs does not wear clothing that, when exposed to flames or electric arcs, could increase the extent of injury that would be sustained by the employee." Note: Employee shall not wear clothing made from the following types of fabrics, either alone or in blends: acetate, nylon, polyester, rayon.

Clarifications - June 1994 - Employers must make a determination of whether or not 100% cotton or wool clothing worn by a worker is acceptable under the conditions to which the worker could be exposed. Clothing made from flame-retardant or flame-resistant materials, in accordance with ASTM F1506, is acceptable under the rule.



NFPA 70E

Clothing Used Must Prevent Second Degree Burn!!

The protective clothing selected for a particular application shall have an arc protective rating (E_{BT} or ATPV) higher than the hazard to prevent the onset of a second degree burn

- ⇒ Flash hazard analysis shall be done before a person approaches a hazard
- ⇒ Employees working in areas where there is an electrical hazard shall be provided with, and shall use, appropriate protective equipment.
- ⇒ The entire flash suit, including the window, shall have energy absorbing characteristics that are suitable for the arc-flash exposure.

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Voltage Does Not Determine Hazard Category Levels



Why???

Knowing the voltage is only one piece for determining the Arc Flash protective clothing. The available fault current, the clearing time, the working distance and the type of equipment are also needed to determine the potential Arc Flash exposure level and the required PPE.

Before you can assess the arc flash protection needed for a task, you must first determine the potential arc flash exposure level by conducting a hazard analysis. It is the arc flash exposure level that will dictate the arc flash protection needed.

Resources for conducting hazard analysis:

- Electrical Engineering Studies
- IEEE P1584 Standard
- Software Programs
- NFPA 70E Annex D
- NFPA 70E Table 130.7(C)(9)(a)
- Oberon's STEP 1-2-3 Program

ARC Series

Inherently Flame Resistant

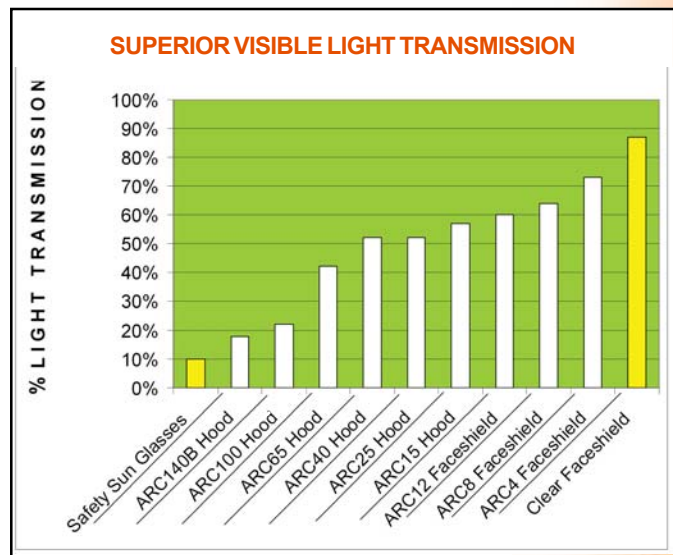
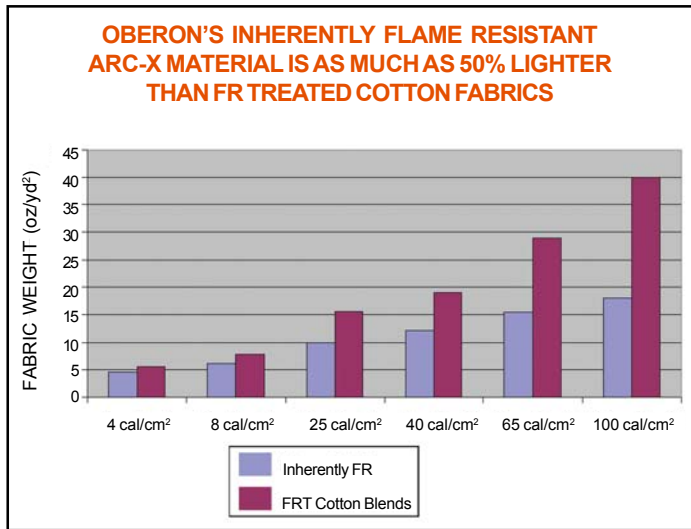
Advanced Technology

GARMENTS

- All fabrics, as well as sewing thread, used in construction of ARC garments are inherently Flame Resistant (FR).
- Manufactured with Oberon proprietary fabrics.
- Will remain Flame Resistant regardless of repeated laundering.
- Lightest weight arc flash garments in the industry.
- Help reduce heat stress.
- All findings, Velcro®, labels, zippers are inherently flame resistant.
- Meet or exceed the requirements of NFPA 70E and ASTM F1506.
- Each protection level is color coded for quick identification.

HOODS

- Manufactured with Oberon's proprietary ARCXTM energy absorbing polycarbonate plastic.
- Provide superior Visible Light Transmission (VLT).
- Specially designed window for each arc level maximizes visible light transmission (VLT).
- Scratch resistant coating on the outer surface (for longer product life).
- Antifog coating on the inner surface (for improved visibility).
- Meet NFPA 70E, ASTM F2178 and ANSI Z87.1.



OPTIONS

- Custom Embroidery
- Corporate Logo Embroidered
- Garment Kits
- Reflective Tapes

ACCESSORIES

- Back Packs
- Hood Air System
- Storage Bags

RELATED PRODUCTS

- Arc Flash Cooling Vest
- Dailywear
- High Visibility Vests
- Rubber Insulating Gloves
- Thermographers Gloves
- Underwear



Superior Visible Light Transmission (VLT).
Scratch resistant and Antifog coated.

FR Embroidery

Double front closures with Nomex®
zipper tape and Nomex Velcro safety
flap.

Nomex knit sleeve cuffs.

Wide pant legs that allow work boots
to easily pass through.

Pant leg designed to fit over 13EE work
boot, includes Nomex Velcro cinch strap
to adjust for tight fit over workboots.

ARC Series Inherently Flame Resistant

Garments are available in sets or as single items.

Coverall Set includes: Coverall and Hood with Hard Cap. Available from 15 cal/cm² to 140 cal/cm²

Coat & Bib-Overall Set includes: Coat, Bib-Overall and Hood with Hard Cap. Available from 15 cal/cm² to 140 cal/cm²

Refer to page 10 for Oberon's ARC Series Dailywear.

NFPA 70E CATEGORY 2* **ARC15** NESC C2 -2007 (12-CAL SYSTEM)

Arc Rating: 15 cal/cm² ATPV
Fabric Weight: 8.9 oz/yd²
Hood Window VLT: 60%



Item#
SET IFR2STA: Coverall, Hood, w/Hard Cap
IFR2STB: Coat, Bib-Overall, Hood
w/Hard Cap

SINGLE ARC15-C: Hood
ARC15-CT: Hip-Length Coat
ARC15-BIB: Bib-Overall
ARC15-CVL: Coveralls

NFPA 70E CATEGORY 3 **ARC25**

Arc Rating: 29 cal/cm² ATPV
Fabric Weight: 10 oz/yd²
Hood Window VLT: 57%



Item#
SET IFR3A: Coverall, Hood, w/Hard Cap
IFR3B: Coat, Bib-Overall, Hood
w/Hard Cap

SINGLE ARC25-C: Hood
ARC25-CT: Hip-Length Coat
ARC25-BIB: Bib-Overall
ARC25-CVL: Coveralls

NFPA 70E CATEGORY 4 **ARC40**

Arc Rating: 49 cal/cm² ATPV
Fabric Weight: 12.1 oz/yd²
Hood Window VLT: 57%



Item#
SET IFR4A: Coverall, Hood, w/Hard Cap
IFR4B: Coat, Bib-Overall, Hood
w/Hard Cap

SINGLE ARC40-C: Hood
ARC40-CT: Hip-Length Coat
ARC40-BIB: Bib-Overall
ARC40-CVL: Coveralls

CATEGORY 5 **ARC65**

Arc Rating: 70 cal/cm² ATPV
Fabric Weight: 15.5 oz/yd²
Hood Window VLT: 42%



Item#
SET IFR5A: Coverall, Hood w/Hard Cap
IFR5B: Coat, Bib-Overall, Hood
w/Hard Cap

SINGLE ARC65-C: Hood
ARC65-CT: Hip-Length Coat
ARC65-BIB: Bib-Overall
ARC65-CVL: Coveralls

OBERON CATEGORY 6 **ARC100**

Arc Rating: 106 cal/cm² ATPV
Fabric Weight: 18.2 oz/yd²
Hood Window VLT: 22%



Item#
SET IFR6A: Coverall, Hood w/Hard Cap
IFR6B: Coat, Bib-Overall, Hood
w/Hard Cap

SINGLE ARC100-C: Hood
ARC100-CT: Hip-Length Coat
ARC100-BIB: Bib-Overall
ARC100-CVL: Coveralls

OBERON CATEGORY 7 **ARC140B**

Arc Rating: 140 cal/cm² est.
Fabric Weight: 30.4 oz/yd²
Hood Window VLT: 18%



Item#
SET IFR7A: Coverall, Hood w/Hard Cap
IFR7B: Coat, Bib-Overall, Hood
w/Hard Cap

SINGLE ARC140B-C: Hood
ARC140B-CT: Hip-Length Coat
ARC140B-BIB: Bib-Overall
ARC140B-CVL: Coverall

ARC140B is the only Arc Flash suit designed and tested to protect you against shrapnel as well as Arc Flash heat exposures. The suit incorporates ballistic Dupont® Kevlar® fabric.

Specify garment size when ordering - Available: Small to 5XL

LCI Series, Inherently FR

Manufactured with Dupont® Protera®.

LCI Series of arc flash garments are manufactured from Protera, a new Inherently FR fabric from Dupont®. It was developed as an alternative to FR Treated Cotton blends but without the laundering issues. For a complete comparison, consult the adjacent chart.

FABRIC COMPARISON TABLE			
*** = Best	ARC® Series	LCI Series	CAT® Series
	Aramid & Melamine Fabric	Dupont® Protera® Fabric	FRT Cotton Fabric
System Weight	***	**	*
Arc Rating per Weight	***	**	*
Layering Options	***	**	*
Comfort	***	**	*
Laundering	***	***	*
Durability	***	**	*
Initial Cost	*	**	***
Value in Use	***	***	**

Garments are sold in sets or as single items.

Coverall Set includes: Coverall with Faceshield or Hood with Hard Cap. Available from 4 cal/cm² to 42 cal/cm²

Coat & Bib-Overall Set includes: Coat, Bib-Overall with Faceshield or Hood with Hard Cap. Available in 8.5 cal/cm² to 42 cal/cm²

NEW!

**NFPA 70E CATEGORY 2 LCI 2
NESC C2-2007 (8 CAL SYSTEM)**

Arc Rating: 8.5 cal/cm² ATPV
Fabric Weight: 6.5 oz/yd²
Faceshield VLT: 64%

Item#

LCI 2A: Coverall, Faceshield, Hard Cap

SET LCI 2B: Coat, Bib-Overall, Faceshield, Hard Cap

SINGLE LCI 2-CT: Coat
LCI 2-BIB: Bib-Overall
LCI 2-CVL: Coveralls
21ARC8 AF-C+500: Deluxe Faceshield



NEW!

**NFPA 70E CATEGORY 2 LCI 2*
NESC C2-2007 (12 CAL SYSTEM)**

Arc Rating: 12 cal/cm² ATPV
Fabric Weight: 8.0 oz/yd²
Faceshield VLT: 60%

Item#

LCI 2STA: Coverall, Faceshield, Hard Cap, Sock Hood

SET LCI 2STB: Coat, Bib-Overall, Faceshield, Hard Cap, Sock Hood

SINGLE LCI 2ST-CT: Coat
LCI 2ST-BIB: Bib-Overall
LCI 2ST-CVL: Coveralls
ARC13-BH-NB: Sock Hood
21ARC12AF-C+500: Deluxe Faceshield



NEW!

NFPA 70E CATEGORY 3 LCI 3

Arc Rating: 30 cal/cm² ATPV
Fabric Weight: 13.0 oz/yd²
Hood Window VLT: 57%

Item#

LCI 3A: Coverall, Hood, Hard Cap

SET LCI 3B: Coat, Bib-Overall, Hood, Hard Cap

SINGLE LCI 3-C: Hood
LCI 3-CT: Hip-Length Coat
LCI 3-BIB: Bib-Overall
LCI 3-CVL: Coveralls



NEW!

NFPA 70E CATEGORY 4 LCI 4

Arc Rating: 42 cal/cm² ATPV
Fabric Weight: 16.0 oz/yd²
Hood Window VLT: 52%

Item#

LCI 4A: Coverall, Hood, Hard Cap

SET LCI 4B: Coat, Bib-Overall, Hood, Hard Cap

SINGLE LCI 4-C: Hood
LCI 4-CT: Hip-Length Coat
LCI 4-BIB: Bib-Overall
LCI 4-CVL: Coveralls



Specify size when ordering - Available: Small to 5XL

Coverall and Bib-Oversalls feature ankles with Nomex® Velcro® hook and loop straps. Coats and Coveralls feature wrists and front closures with Nomex Velcro safety flap. Hood Windows and faceshields are manufactured with Oberon's proprietary ArcX™ energy absorbing polycarbonate plastic. Our shields provide superior Visible Light Transmission (VLT) and have scratch resistant coating on the outer surface (for longer product life) and antifog coating on the inner surface (for improved visibility).

CAT Series

FR Treated Cotton

Manufactured with Flame Retardant Treated (FRT) blend of 88% cotton and 12% nylon.

Care must be taken to ensure these FR Treated Cotton garments are not washed with chlorine or oxidizing bleach.

FRT Cotton is heavier than Inherently FR fabrics.

FRT Cotton has limited durability (see chart on previous page).

Requires strict laundering process to protect flame retardant treatment.

FRT Cotton garments cost less than Inherently FR garments but will have a shorter use life.

For cost and performance comparison, see charts on pages 5 and 9.

Garments are sold in sets or as single items.

Coverall Set includes: Coverall and Faceshield or Hood with Hard Cap. Available from 4 cal/cm² to 41 cal/cm²

Coat & Bib-Overall Set includes: Coat, Bib-Overall & Faceshield or Hood w/Hard Cap. Available from 8.5 cal/cm² to 41 cal/cm²



NFPA 70E CATEGORY 2 CAT2 NESC C2-2007 (8 CAL SYSTEM)

Arc Rating: 8.5 cal/cm² ATPV
Fabric Weight: 7.8 oz/yd²
Faceshield VLT: 64%

SET
Item#
FRTC2A : Coverall & Faceshield
FRTC2B : Coat, Bib-Overall & Faceshield

SINGLE
CAT2-CT : Coat
CAT2-BIB: Bib-Overall
CAT2-CVL : Coverall
21ARC8 AF-C+500: Faceshield



NFPA 70E CATEGORY 2* CAT2* NESC C2-2007 (12 CAL SYSTEM)

Arc Rating: 13 cal/cm² ATPV
Fabric Weight: 9.5 oz/yd²
Faceshield VLT: 60%

SET
Item#
FRTC2STA: Coverall, Faceshield, Hard Cap, Sock Hood
FRTC2STB: Coat, Bib-Overall, Face -shield, Hard Cap, Sock Hood

SINGLE
CAT2ST-CT : Coat
CAT2ST-BIB: Bib-Overall
CAT2ST-CVL : Coverall
ARC13-BH-NB: Sock Hood
21ARC12 AF-C+500: Faceshield



NFPA 70E CATEGORY 3 CAT3

Arc Rating: 34 cal/cm² ATPV
Fabric Weight: 15.6 oz/yd²
Hood Window VLT: 52%

SET
Item#
FRTC3A: Coverall & Hood
FRTC3B: Coat, Bib-Overall, Hood

SINGLE
CAT3-C: Hood
CAT3-CT: Coat
CAT3-BIB: Bib-Overall
CAT3-CVL: Coverall



NFPA 70E CATEGORY 4 CAT4

Arc Rating: 41 cal/cm² ATPV
Fabric Weight: 19 oz/yd²
Hood Window VLT: 51%

SET
Item#
FRTC4A: Coverall & Hood
FRTC4B: Coat, Bib-Overall, Hood

SINGLE
CAT4-C: Hood
CAT4-CT: Coat
CAT4-BIB: Bib-Overall
CAT4-CVL: Coverall

Specify size when ordering - Available: Small to 5XL

Coverall and Bib-Overalls feature ankle strap with (FR) hook and loop. Coats and Coveralls feature wrists and front closures with FR hook and loop. Hood Windows and faceshields are manufactured with Oberon's proprietary ArcX™ energy absorbing polycarbonate plastic. Our shields provide superior Visible Light Transmission (VLT) and have scratch resistant coating on the outer surface and antifog coating on the inner surface.

Arc Flash PPE Kits

Convenient & Cost-Effective

Arc Flash PPE Kits are a convenient and cost-effective way of acquiring your complete arc flash protection. Purchase together the items in the PPE Kit cost less than when purchased as individual items.

The Arc Flash PPE Kits contain either a Coverall & Hood or a Coat, Bib-Overall & Hood plus the following items: a pair of Rubber Insulating Gloves, a pair of Leather Protectors, a Glove Bag, a pair of Safety Glasses, a set of Earplugs and a Kit Bag.

When ordering Arc Flash PPE Kits, specify garment size (L-5XL), glove/hand size and glove class (00, 0, 1, 2).

Item #	Kit Type	Description	ATPV
ARCKIT15-A	Coverall/Hood	NFPA 70E Category 2*	15 cal/cm ²
ARCKIT15-B	Coat/Overall/Hood	NFPA 70E Category 2*	15 cal/cm ²
ARCKIT25-A	Coverall/Hood	NFPA 70E Category 3	30 cal/cm ²
ARCKIT25-B	Coat/Overall/Hood	NFPA 70E Category 3	30 cal/cm ²
ARCKIT40-A	Coverall/Hood	NFPA 70E Category 4	49 cal/cm ²
ARCKIT40-B	Coat/Overall/Hood	NFPA 70E Category 4	49 cal/cm ²
ARCKIT65-A	Coverall/Hood	Oberon Category 5	70 cal/cm ²
ARCKIT65-B	Coat/Overall/Hood	Oberon Category 5	70 cal/cm ²
ARCKIT100-A	Coverall/Hood	Oberon Category 6	106 cal/cm ²
ARCKIT100-B	Coat/Overall/Hood	Oberon Category 6	106 cal/cm ²
ARCKIT140B-B	Coat/Overall/Hood	Oberon Category 7	140 cal/cm ²



ARC140B is the only Arc Flash suit on the market designed and tested to protect **you** against shrapnel as well as Arc Flash heat exposures. The suit incorporates a layer of ballistic Kevlar® fabric.

Also available FR Treated Cotton and LCI Arc Flash Kits. Contact Oberon for details

Fresh Air System NEW!

Accessory to any Oberon Arc Flash Hood to provide a flow of external air into the hood to decrease stiffness and provide comfort.



DURABLE

Precision micro Swiss motor
FR plastic spiral reinforced Hose
Case molded of Inherently FR plastic.

LIGHT WEIGHT

Weighs less than 1/2 pound
Without batteries: 6 oz.
With batteries: 8 oz.

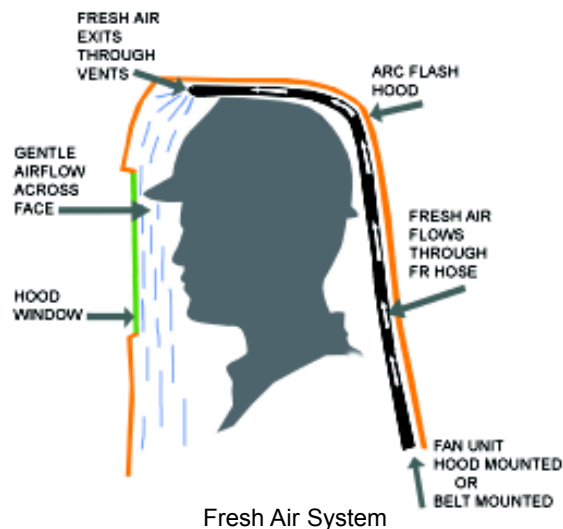
PORTABLE

Size: 5" x 3" x 1.5"
Mounts on lower back of Hood or optional Belt Mount

LONG LASTING

Runs about 2 hours on a set of 4 "AA" Alkaline batteries

Item #	Description	Content
HVS-4B-HM	FreshAir Hood Mount	Hood Air Flow & Fan Unit
HVS-4B-BM	FreshAir Belt Mount	Hood Air Flow & Regular Hose, Fan Unit & Belt
HVS-4B-BM+	FreshAir Belt Mount-Tall	Hood Air Flow & Tall Hose, Fan Unit & Belt



Fresh Air System

FaceFit® ArcShield™

Polycarbonate Arc Flash Faceshields

Oberon's FaceFit® ArcShield™ is designed to provide protection from low-level energy arc flash hazards. The ArcShield, when worn with a sock hood, provides protection for NFPA 70E Hazard Risk Category 2* (HRC2*), up to 12 cal/cm².

The FaceFit ArcShield is injection molded with Oberon's proprietary ArcX™ polycarbonate energy absorbing plastic. Polycarbonate is the plastic of choice in the safety industry for impact performance. This high-tech material allows for a superior visible light transmission (VLT). The ArcShield comes standard with a hard cap with an upper and lower crown, plus side shield extenders. Side extenders give side head coverage including the ears.

Vision area: 14" x 8"
Thickness: 0.105"



All Faceshields come standard with Hard Cap. Deluxe Faceshields come with Scratch Resistant Coating on the outer surface and Antifog Coating on the inner surface. A standard shield is available uncoated.

Tested according to ASTM F-2178-02a and ANSI Z87.1-2003.



Hazard Risk Category 1

Deluxe Shield
Arc Rating 4 cal/cm² ATPV
VLT 73%

Item#:
21ARC4 AF-C+500



Hazard Risk Category 2

Deluxe Shield
Arc Rating 8.3 cal/cm²
VLT 64%

Item#:
21ARC8 AF-C+500



Hazard Risk Category 2*

Deluxe Shield
Use with Sock Hood shown on the right
Arc Rating 12 cal/cm² ATPV
VLT 60%

Item#:
21ARC12 AF-C+500



FR Balaclava Sock Hood
Arc Rating 13 cal/cm² ATPV
Color: Navy Blue
Sizes: Reg, L, XL

Item#:
ARC13-BH-NB

Inherently Flame Resistant shirts, Pants & Coveralls

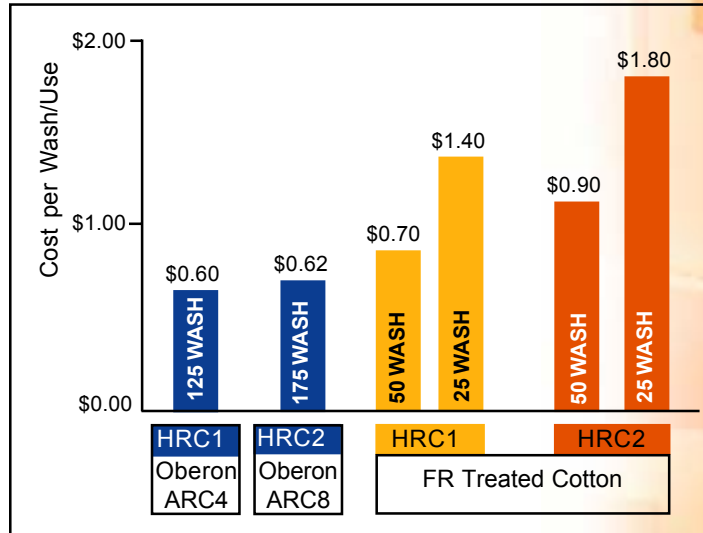
Is FR Treated Cotton really cheaper???

For Dailywear, laundering is a most critical issue. The garment is economical only if it lasts. Most FR Treated cotton dailywear may last through only 25 to 70 washing. Oberon's Dailywear can last up to 200 washing or more. While inherently FR garments are more expensive, they last longer than FR Treated cotton, offsetting the cost difference (see adjacent chart).

All fibers and components used in the construction of these garments are inherently flame resistant, including buttons, labels, Nomex® threads and Nomex zipper tape.

What does "inherent" mean for dailywear? It means you can wash it with no concerns of reducing the FR properties of the garment. These FR properties are not a treatment but are built into the chemistry of the fiber. Hundreds of washings will not reduce the inherent FR (Flame Resistant) properties. Flame retardant treated cotton (FRT) must be washed carefully to avoid the use of chlorine and oxidizing bleach. This is important if home laundering is part of your PPE program. Dailywear can require 50 or more washing per year.

Launderability vs Cost



NFPA 70E CATEGORY 1 & NESC C2-2007 (4 CAL. SYSTEM) COMPLIANT

ARC SERIES - ARAMID BLEND

SHIRT

Item#: ARC4-ST
Arc Rating: 4.2 cal.cm²
Fabric Weight: 4.5 oz/yd²
Colors: Denim Blue, Khaki
Sizes: S to 5XL
 Tall, Reg., Short



DailyWear™ Shirt

Two front and two back pockets.

PANTS

Item#: ARC4-PT
Arc Rating: 7.3 cal.cm²
Fabric Weight: 6.8 oz/yd²
Colors: Navy Blue, Khaki
Sizes: Waist 26" - 52"
 Specify inseam when ordering



Coverall

COVERALL

Item#: ARC4-CVL
Arc Rating: 4.2 cal.cm²
Fabric Weight: 4.5 oz/yd²
Colors: Navy Blue
Sizes: S to 5XL

NFPA 70E CATEGORY 2 & NESC C2-2007 (8 CAL. SYSTEM) COMPLIANT

ARC SERIES - ARAMID BLEND

SHIRT

Item#: ARC8-ST
 Arc Rating: 8.3 cal.cm²
 Fabric Weight: 6.4 oz/yd²
 Colors: Navy Blue, British Khaki
 Sizes: S to 5XL
 Tall, Reg., Short

PANTS

Item#: ARC8-PT
 Arc Rating: 8.3 cal.cm²
 Fabric Weight: 6.4 oz/yd²
 Colors: Navy Blue, British Khaki
 Sizes: Waist 26" - 52"
 Specify inseam when ordering

COVERALL

Item#: ARC8-CVL
 Arc Rating: 8.3 cal.cm²
 Fabric Weight: 6.4 oz/yd²
 Colors: Navy Blue, British Khaki
 Sizes: S to 5XL

LCI SERIES

SHIRT



Item#: LCI 2-ST
 Arc Rating: 8.5 cal.cm²
 Fabric Weight: 6.5 oz/yd²
 Colors: Khaki, Medium Blue
 Sizes: S to 5XL
 Tall, Reg., Short

PANTS



Item#: LCI 2-PT
 Arc Rating: 12 cal.cm²
 Fabric Weight: 8 oz/yd²
 Colors: Navy Blue
 Sizes: Waist 26" - 52"
 Specify inseam when ordering

COVERALL



Item#: LCI 2-CVL
 Arc Rating: 8.5 cal.cm²
 Fabric Weight: 6.5 oz/yd²
 Colors: Medium Blue
 Sizes: S to 5XL

NFPA 70E CATEGORY 2* & NESC C2-2007 (12 CAL. SYSTEM) COMPLIANT

ARC SERIES - ARAMID BLEND

SHIRT

Item#: ARC15-ST
 Arc Rating: 15 cal.cm²
 Fabric Weight: 8.9 oz/yd²
 Colors: Denim Blue
 Sizes: S to 5XL
 Tall, Reg., Short

JEANS

Item#: ARC15-JN
 Arc Rating: 15 cal.cm²
 Fabric Weight: 8.9 oz/yd²
 Colors: Denim Blue
 Sizes: Waist 26" - 52"
 Specify inseam when ordering

COVERALL

Item#: ARC15-CVL
 Arc Rating: 15 cal.cm²
 Fabric Weight: 8.9 oz/yd²
 Colors: Denim Blue
 Sizes: S to 5XL

LCI SERIES



COVERALL



Item#: LCI 2ST-CVL
 Arc Rating: 12 cal.cm²
 Fabric Weight: 8.0 oz/yd²
 Colors: Navy Blue
 Sizes: S to 5XL

Arc Flash Undergarments

OSHA 1910.269 states that garments worn by workers shall not increase the severity of burn injury in the event of an arc flash incident. Garments which ignite and continue to burn on the body can increase the severity of burn injury.

If the outer layer of FR clothing breaks open in an arc flash incident, cotton underwear worn under that FR layer can ignite and can increase the severity of burn injury. Prevent this potential clothing ignition hazard by wearing all FR garments. Oberon's FR undergarments, especially our unisex long-sleeve Tee shirts and long-legged long johns will not ignite if the outer FR layer breaks open, and these FR underwear garments increase the arc rating of the total garment layering system, which reduces the probability of the onset of a second-degree burn.

Item#: **ARC4-LJ**
Inherently FR Long John
NFPA 70E Category 1
Garment Arc Rating:
4.8 cal/cm² ATPV
Size: S - 5XL



Item#: **ARC4-TL**
Inherently FR Long Sleeve Tee-Shirt
NFPA 70E Category 1
Garment Arc Rating:
4.8 cal/cm² ATPV
Size: S - 5XL



Item#: **ARC4-BR**
Inherently FR Sports Bra
No metal parts
Fabric Arc Rating:
4.8 cal/cm² ATPV
Size: S - XL



Item#: **ARC4-WB**
Inherently FR Panties
Fabric Arc Rating:
4.8 cal/cm² ATPV
Size: S - 5XL



Item#: **ARC4-SB**
Inherently FR
Men's Stretched Briefs
Fabric Arc Rating:
13 cal/cm² ATPV
Size: S - 5XL



Item#: **ARC4-TS**
Inherently FR
Tee-Shirt
Fabric Arc Rating:
4.8 cal/cm² ATPV
Size: S - 5XL



Item#: **ARC4-SX-BK**
Inherently FR Tube Socks
Fabric Arc Rating:
4 cal/cm² ATPV
One Size Fits All



Deluxe Storage Bags

Keep your PPE clean and organized



Item#: **KIT-BAG**
Deluxe Carry Bag used for Arc Flash Kit. Holds Coat, Bib-Overall, Hood and Gloves.
Coated Vinyl fabric with Molded Plastic Bottom with Zippered Top.
24" length, 10" width, 18" height

Item#: **BACKPACK**
Nylon Back Pack. Holds your Arc Flash clothing, hood and tools.
Sixes: M or L



Item#: **SHLDBAG-CANVAS**
Heavy Canvas Storage Bag with Hanging Hook for your Faceshield.
Available also in light weight Nylon.
Item#: **SHLDBAG-NYLON**



Item#: **GLOVEBAG-CNVS**
Canvas Storage Bag for your Rubber Gloves and Leather Protectors.
Available in Sizes: 12", 16"



Bags not shown:

Item#: **CARRYBAG**
HOODBAG

Description
A carry bag that fits Arc Flash Hood, Coat & Bib-Overall.
A canvas carry bag for Arc Flash Hood.

Thermographer Arc Flash Gloves

All the materials and threads used in the construction of the Thermographer Gloves are inherently flame resistant (FR). Oberon's unique Thermographer Gloves provide the highest level of arc flash protection in the market for gloves.

STANDARDS: Complies with NFPA 70E-2004. Tested according to ASTM F1959-04.

SIZES: Regular and Large
Specify size when ordering



Item #	ATPV	Weight
ARC8-Glove	8 cal/cm ²	6.3 oz/yd ²
ARC15-Glove	15 cal/cm ²	8.9 oz/yd ²
ARC25-Glove	25 cal/cm ²	10 oz/yd ²
ARC40-Glove	43 cal/cm ²	12 oz/yd ²
ARC65-Glove	68 cal/cm ²	15 oz/yd ²
ARC100-Glove	103 cal/cm ²	18 oz/yd ²

**Not for shock/electrocution protection !
Not for use in Prohibited Approach Boundary !**

Arc Flash Cooling Vests

All the materials used in the construction of the cooling vests are Flame Resistant (FR), in compliance with NFPA 70E. Contrary to other cooling vests on the market, the cooling packs included in Oberon's Arc Flash Cooling Vests have no hazardous chemicals, are noncombustible and are nontoxic to the skin.

Cooling packs provide cooling for several hours. Cooling time may vary depending upon the ambient temperature and the exertion level of the worker wearing the vest.



Jacket style: 8 cooling packs.

Item #: CV-ARC



Pull over style: 6 cooling packs.

Item #: CVE-ARC

Use in conjunction with & under proper Arc rated garments.

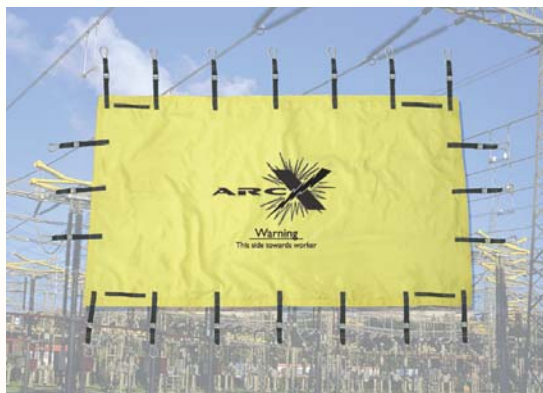
Arc Suppression Blankets

Protective Barrier for Confined Spaces

Oberon Flashbarrier™ Arc Suppression Blankets offer protection for the industrial and utility electrician from arc blasts within the work area. Ideal for confined spaces such as underground vaults and electrical rooms. The blanket will deflect the thermal energy of an arc blast occurring beyond the primary work area.

15KA the only arc flash blanket made of noncombustible material. It will not ignite and burn even if flame is applied directly to the fabric.

The **25KA blanket** is constructed of FR aramid fibers.



25KA blanket (photo left)

Item#	Description
ARC-BLNKT-25KA-S	25KA Blanket Size: 4' x 5'
ARC-BLNKT-25KA-L	25KA Blanket Size: 5 x 8'

15KA blanket

Item#	Description
ARC-BLNKT-15KA-S	15KA Blanket Size: 4' x 5'
ARC-BLNKT-15KA-L	15KA Blanket Size: 5 x 8'

Special sizes upon request

Complete Arc Flash Protection for Cleanroom Environment

High Arc Rating, Light Weight

The Arc-Rated Cleanroom Suit is manufactured with Oberon's patent pending CR1134 material with its high ratio of arc rating to weight. CR1134 is lighter weight (3.4oz/yd²) than the only alternative (filament aramid). CR1134 also is significantly lower in cost.

Meets ASTM F1506 02a and NFPA 70E Standards

The Cleanroom suit is designed to be worn over Oberon arc rated dailywear or Oberon arc flash suits. The pant leg diameter is large enough to accommodate a 13EE work boot without removing the boots. The front opening has a zipper covered with a multi layer placard held in place by snaps. No portion of the snap is exposed on the inside of the suit, as required by ASTM F 1506-02a.

Secured Booties

The booties go over the electrician's leather work boots and are held in place by snaps and elastic above the calf. Booties are available with optional molded rubber soles.



NEW!



SET

Item# Description
CR1134 Hazard Risk Category 1,2 & 2* 11 cal/cm² E_{BT}
 -Cleanroom Coverall with attached Hood,
 -Separate pull on Knee-high Booties

KITS

CRKIT2 Hazard Risk Category 1,2 & 2* 11 cal/cm² E_{BT}
 -Cleanroom Coverall with attached Hood,
 -Separate pull on Knee-high Booties
 -Arc rated Oberon 12 cal/cm² Faceshield with Hard Cap.

CRKIT3 Hazard Risk Category 3 25 cal/cm² ATPV
 -Cleanroom Coverall with attached Hood,
 -Separate pull on Knee-high Booties
 -Arc rated Oberon Faceshield with Hard Cap.
 -Sock Hood
 -ARC 15 Inherently FR Coverall.

CRKIT4 Hazard Risk Category 4 40 cal/cm² ATPV
 -Cleanroom Coverall with attached Hood,
 -Separate pull on Knee-high Booties
 -Oberon Faceshield with Sock Hood and Hard Cap.
 -ARC 25 Inherently FR Coverall.

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**Item#
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