Oberon Product Tech Sheet

ARC65™ – Arc Flash Suits

To Protect Electrical Workers from Arc Flash Heat Exposures

HEADLINES

- **Material: 80% Inherently FR aramid, and 20% melamine.**
- **Clothing Arc Rating (ATPV): 70 cal/cm²**
- **Fabric Weight: 15.5 oz/yd²**
- **Hood Arc Rating (ATPV): 97 cal/cm²**
- **VLT: 37%**

FEATURES

Oberon's ARC65 suit is inherently Flame Resistant (FR). It will remain Flame Resistant after years of frequent and repeated laundering. ARC65 is the lightest weight arc flash suit in the market at this protection level. The shield window, with its scratch resistant coating, will last 5 to 10 times longer than uncoated shields. The antifog coating on the inner shield window surface maintains high visibility.

APPLICATION

Every lineman, electrical contractor, industrial electrician and thermographer, working in the proximity of an energized circuit, is at risk of serious or even fatal burns. Every day in the USA, there are approximately 10 Arc Flash incidents and up to 3 fatalities. An Arc Flash can cause 3rd degree burns in a fraction of a second. NFPA 70E standard was developed to address this hazard, establishing a series of work practices and protective measures to reduce the risk of injury.

ORDERING

#**IFR5A**: Coverall + Arc Flash Hood with Hard Cap
#**IFR5B**: Coat and Bib-Overalls + Arc Flash Hood with Hard Cap
Color: Gold
Size: S, M, L, XL, 2XL, 3XL, 4XL, 5XL.

RELATED PRODUCTS

- Arc Flash Undergarments
- Arc Flash Cooling Vest
- FreshAir™ Hood Ventilation System
- Spectacles for impact protection
- Arc Flash DailyWear™ HRC1,2, 2*
- Arc Supression Blankets
- Electrical Rubber Insulated Tools
- Goggles for impact protection

Arc Flash suits offered in kits containing clothing, hood, gloves & storage bag

DESCRIPTION

Oberon's ARC65 suit is designed to provide protection from arc flash heat exposures. The suit exceeds the requirements of NFPA 70E Hazard Risk Category 4 (HRC4), up to 70 cal/cm². Oberon's ARC65 suit is manufactured with 80% inherently FR aramid, and 20% melamine. These high technology lightweight (up to 50% lighter than FRT fabrics) and proprietary fabrics can reduce heat stress. All materials used in the construction of these garments are inherently flame resistant, including the thread.

The coats and coveralls feature Nomex® sleeve cuffs and double front closures with FR zipper tape and Dupont® Nomex® Velcro® safety flap.

The bib-overalls include FR suspenders and an expandable pleat at the waist for adjustable fit and comfort.

The bib-overalls and the coveralls feature wide pant legs that are easy to slide on and off.

The hood window is manufactured with Oberon's proprietary ArcX™ energy absorbing polycarbonate material and is coated to be scratch resistant and antifog.

Standards Compliance: ANSI Z87.1-2003, NFPA 70E-2004 & ASTM F1506-02a.

Tested according to ASTM F1959-05a and ASTM F2178-02.

NFPA 70E Article 130.7(C)(1) requires that an employee working within the Flash Protection Boundary wears protective clothing and other personal protective equipment.

Note: PPE should be chosen to meet or exceed the expected incident energy at the potential work site.

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