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## STANDARDS BULLETIN 2009-40

### First Edition CAN/ULC-61482-1-1-09

#### **LIVE WORKING – PROTECTIVE CLOTHING AGAINST THE THERMAL HAZARDS OF AN ELECTRIC ARC - PART 1-1: TEST METHODS - METHOD 1: DETERMINATION OF THE ARC RATING (ATPV OR EBT50) OF FLAME RESISTANT MATERIALS FOR CLOTHING**

ULC is pleased to announce the publication of the First Edition of CAN/ULC-61482-1-1-09, Live Working – Protective Clothing Against the Thermal Hazards of an Electric Arc - Part 1-1: Test methods - Method 1: Determination of the Arc Rating (ATPV or EBT50) of Flame Resistant Materials for Clothing (CEI/IEC 61482-1-1:2009, IDT). This Standard has been approved by the ULC Committee on Live Working, and has been published under the date of November 2009.

This National Standard is an adoption, without Canadian deviations, of the International Electrotechnical Commission Standard CEI/IEC 61482-1-1:2009.

This part of CAN/ULC-61482 specifies test methods to measure the arc thermal performance value of materials intended for use in heat- and flame-resistant clothing for workers exposed to the thermal effects of electric arcs and the function of garments using these materials. These test methods measure the arc thermal performance value of materials which meet the following requirements: less than 100 mm char length and less than 2 s afterflame after removal from flame, when tested in accordance with ISO 15025, procedure B (bottom-edge ignition) on the outer material, and the char length measured using a modified ISO method.

These methods are used to measure and describe the properties of materials, products, assemblies or garments, in response to convective and radiant energy generated by an electric arc in open air under controlled laboratory conditions.

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This standard can be ordered for \$216.00 CAN (Hardcopy) from the ULC website at [www.ulc.ca](http://www.ulc.ca) by clicking on Order Standards and Directories followed by selecting ULC Online Store.

Yours truly,

UNDERWRITERS LABORATORIES OF CANADA

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