NATIONAL
STANDARD
OF CANADA

CAN/ULC-IEC 60855-1:2016

Live working – Insulating foam-filled tubes and solid rods – Part 1: Tubes and rods of a circular cross-section

Prepared by :
International Electrotechnical Commission
Commission Électrotechnique Internationale

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Approved by:

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Conseil canadien des normes

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NATIONAL STANDARD OF CANADA

CAN/ULC-IEC 60855-1:2016
(IEC 60855-1:2016, IDT)

Live working – Insulating foam-filled tubes and solid rods – Part 1: Tubes and rods of a circular cross-section

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CAN/ULC-IEC 60855-1:2016
(IEC 60855-1:2016, IDT)

Live working – Insulating foam-filled tubes and solid rods – Part 1: Tubes and rods of a circular cross-section

ULC STANDARDS PREFACE

This is the First Edition of the Standard CAN/ULC-IEC 60855-1:2016 (IEC 60855-1:2016, IDT), Live working – Insulating foam-filled tubes and solid rods – Part 1: Tubes and rods of a circular cross-section, an adoption of the international standard by International Electrotechnical Commission, IEC 60855-1:2016 (Second Edition 2016-04).

This Edition of the Standard has been formally approved by the ULC Standards Committee on Live Working and has been approved as a National Standard of Canada by the Standards Council of Canada.

This Standard has been developed in compliance with the requirements of SCC for accreditation of a Standards Development Organization.

In Canada there are two official languages, English and French. All safety warnings must be in French and English. Attention is drawn to the possibility that some Canadian authorities may require additional markings and/or installation instructions to be in both official languages.

This First Edition National Standard of Canada is based on, and now supersedes, the Second Edition of CAN/ULC-60855-09.

Attention is drawn to the possibility that some of the elements of this Canadian standard may be the subject of patent rights. ULC Standards shall not be held responsible for identifying any or all such patent rights.

Requests for interpretation of this Standard should be sent to ULC Standards. The requests should be worded in such a manner as to permit a “yes” or “no” answer based on the literal text of the requirement concerned.

The review and action to revise or reaffirm this Standard will not exceed 5 years from the date of publication, unless the Standard is identified as fitting within a stabilized category, whereby the review will commence within the appropriate time frame set out by ULC Standards.

This Standard is intended to be used for conformity assessment.

Major funding in support of the adoption process of this National Standard of Canada was provided by the Canadian Electricity Association (CEA), whose assistance is acknowledged with thanks.

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1 Scope

This part of IEC 60855 is applicable to *insulating foam-filled tubes* and solid rods, of a circular cross-section, made of synthetic materials with reinforced fibreglass and intended to be used in the manufacture and construction of tools, devices and equipment for carrying out live working on electrical systems operating at voltages above 1 kV.

Foam-filled tubes and solid rods of cross-section other than circular and/or made with material other than synthetic materials with reinforced fibreglass are not covered by this part of IEC 60855.

2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

IEC 60060-1, *High-voltage test techniques – Part 1: General definitions and test requirements*

IEC 60060-2, *High-voltage test techniques – Part 2: Measuring systems*

IEC 60212:2010, *Standard conditions for use prior to and during the testing of solid electrical insulating materials*

IEC 61318, *Live working – Conformity assessment applicable to tools, devices and equipment*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in IEC 61318 and the following apply.

3.1 **foam**

insulating material composed of closed cells, generally made of polyurethane, used to prevent the ingress and migration of moisture

Note 1 to entry: *Foam* is the inner support to manufacture the *foam*-filled tubes covered by this part of IEC 60855.

[SOURCE: IEC 60050-651:2014, 651-22-03, modified – The note has been changed to refer specifically to the *foam* filled tubes covered by this part of IEC 60855.]

3.2 **insulating foam-filled tube**

foam-filled tube

tube of uniform circular cross-section supplied in straight lengths, manufactured on a foam and constructed or formed of synthetic insulating rigid material with reinforced fibreglass