



# **C22.2 No. 0.3-09** National Standard of Canada *(reaffirmed 2019)*



## **Test methods for electrical wires and cables**



Standards Council of Canada  
Conseil canadien des normes

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# *Revision History*

## **C22.2 No. 0.3-09, Test methods for electrical wires and cables**

<b>National Standard of Canada — May 2019</b>
Outside front cover, National Standard of Canada text, and title page.
This Standard has been developed in compliance with Standards Council of Canada requirements for National Standards of Canada. It has been published as a National Standard of Canada by CSA Group.

# ***Update No. 1***

## ***C22.2 No. 0.3-09***

### ***February 2010***

**Note:** General Instructions for CSA Standards are now called Updates. Please contact CSA Information Products Sales or visit [www.ShopCSA.ca](http://www.ShopCSA.ca) for information about the **CSA Standards Update Service**.

**Title:** *Test methods for electrical wires and cables* — originally published September 2009

The following revisions have been formally approved and are marked by the symbol delta ( $\Delta$ ) in the margin on the attached replacement pages:

<b>Revised</b>	Table of Contents and Clause 2
<b>New</b>	Clause 5.10.6
<b>Deleted</b>	None

CSA C22.2 No. 0.3-09 originally consisted of **43 pages** (viii preliminary and 35 text), each dated **September 2009**. It now consists of the following pages:

<b>September 2009</b>	v–viii, 3–16, and 19–35
<b>February 2010</b>	iii, iv, 1–2A, 17, and 18

- Update your copy by inserting these revised pages.
- Keep the pages you remove for reference.

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## C22.2 No. 0.3-09

# ***Test methods for electrical wires and cables***

## **1 Scope**

### **1.1 General**

This Standard describes the apparatus, test methods, and formulas to be used in carrying out the tests and calculations required by CSA electrical wire and cable Standards.

### **1.2 Acceptance requirements**

The acceptance requirements expected to be fulfilled through the testing of any particular type of wire or cable are contained in the Standard relating to that type and do not constitute a part of this Standard.

### **1.3 Terminology**

In CSA Standards, "shall" is used to express a requirement, i.e., a provision that the user is obliged to satisfy in order to comply with the standard; "should" is used to express a recommendation or that which is advised but not required; and "may" is used to express an option or that which is permissible within the limits of the standard. Notes accompanying clauses do not include requirements or alternative requirements; the purpose of a note accompanying a clause is to separate from the text explanatory or informative material. Notes to tables and figures are considered part of the table or figure and may be written as requirements. Annexes are designated normative (mandatory) or informative (non-mandatory) to define their application.

## **2 Reference publications**

This Standard refers to the following publications, and where such reference is made, it shall be to the edition listed below, including all amendments published thereto.

### **CSA (Canadian Standards Association)**

C22.1-09

*Canadian Electrical Code, Part I*

CAN/CSA-C22.2 No. 0 (under development)

*General Requirements — Canadian Electrical Code, Part II*

CAN/CSA-C22.2 No. 2556-07

*Wire and cable test methods*

### **ASTM International (American Society for Testing and Materials)**

D1693-08

*Standard Test Method for Environmental Stress-Cracking of Ethylene Plastics*

D2863-09

*Standard Test Method for Measuring the Minimum Oxygen Concentration to Support Candle-Like Combustion of Plastics (Oxygen Index)*