

Appliance wiring material products



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Appliance wiring material products



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Preface

This is the third edition of CSA C22.2 No. 210, *Appliance wiring material products*, one of a series of Standards issued under Part II of the *Canadian Electrical Code*. It supersedes the previous edition, published in 2005, which replaced CAN/CSA-C22.2 No. 210.2-M90.

For general information on the Standards of the *Canadian Electrical Code, Part II*, see the Preface of CAN/CSA-C22.2 No. 0.

This Standard was prepared by the Integrated Committee on Flexible Cords/Equipment and Appliance Wires and Cable, under the jurisdiction of the Technical Committee on Wiring Products and the Strategic Steering Committee on Requirements for Electrical Safety, and has been formally approved by the Technical Committee.

This Standard is considered suitable for use for conformity assessment within the stated scope of the Standard.

Interpretations: The Strategic Steering Committee on Requirements for Electrical Safety has provided the following direction for the interpretation of standards under its jurisdiction: "The literal text shall be used in judging compliance of products with the safety requirements of this Standard. When the literal text cannot be applied to the product, such as for new materials or construction, and when a relevant committee interpretation has not already been published, CSA's procedures for interpretation shall be followed to determine the intended safety principle."

October 2011

Notes:

- (1) Use of the singular does not exclude the plural (and vice versa) when the sense allows.
- (2) Although the intended primary application of this Standard is stated in its Scope, it is important to note that it remains the responsibility of the users of the Standard to judge its suitability for their particular purpose.
- (3) This publication was developed by consensus, which is defined by CSA Policy governing standardization — Code of good practice for standardization as "substantial agreement. Consensus implies much more than a simple majority, but not necessarily unanimity". It is consistent with this definition that a member may be included in the Technical Committee list and yet not be in full agreement with all clauses of this publication.
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 - (c) where possible, phrase the request in such a way that a specific "yes" or "no" answer will address the issue.Committee interpretations are processed in accordance with the CSA Directives and guidelines governing standardization and are published in CSA's periodical Info Update, which is available on the CSA website at <http://standardsactivities.csa.ca>.
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 - (a) Standard designation (number);
 - (b) relevant clause, table, and/or figure number;
 - (c) wording of the proposed change; and
 - (d) rationale for the change.

C22.2 No. 210-11

Appliance wiring material products

1 Scope

1.1

This Standard applies to single- or multiple-conductor, round, flat, or coiled appliance wiring material products classified as follows:

- (a) Class I — internal wiring of equipment (single- or multiple-conductor constructions with or without an insulating covering, covering or jacket):
 - (i) Group A — not subject to mechanical abuse; and
 - (ii) Group B — potentially subject to mechanical abuse;
- (b) Class II — external/interconnecting wires (single- or multiple-conductor constructions with a jacket):
 - (i) Group A — not subject to mechanical abuse; and
 - (ii) Group B — potentially subject to mechanical abuse.

Notes:

- (1) *As there is a great variety of applications for appliance wiring material products, the use of such a product should be evaluated with the design and construction of the end-use application in mind and should not be judged solely by the requirements of this Standard.*
- (2) *Class I and II products are Group A, B, or both.*
- (3) *Group markings (A, B, or both) relate to tests performed on the individual insulated conductors. Group marking that includes both A and B means all insulated conductors pass Group B tests.*
- (4) *See Clause 4.1.*

1.2

This Standard also applies to appliance wiring material products that have a jacket or overall insulating covering and are used to connect or interconnect data processing and similar systems in accordance with the *Canadian Electrical Code, Part I*.

1.3

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 (nonmandatory) 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