



# Manufactured wiring systems



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# Contents

Technical Committee on Wiring Products	2
Subcommittee on Specialized Wiring Systems	4
Preface	5
<b>1 Scope</b>	<b>7</b>
<b>2 Reference publications</b>	<b>7</b>
<b>3 Definitions</b>	<b>8</b>
<b>4 General requirements</b>	<b>9</b>
<b>5 Construction</b>	<b>9</b>
5.1 General	9
5.2 Raceways and fittings	9
5.3 Accessibility of parts	9
5.4 Mechanical assembly	10
5.5 Branch circuit connections	10
5.5.1 General	10
5.5.2 Field-wiring terminals	10
5.5.3 Field-wiring leads	11
5.6 Internal wiring	11
5.7 Internal wiring connections	12
5.8 Bonding	12
5.9 Enclosures of electrical connecting assemblies constructed of polymeric materials	12
5.10 Mating connectors	12
5.11 Receptacles and connectors	13
5.12 Strain relief	13
5.13 Spacings	13
<b>6 Marking</b>	<b>14</b>
<b>7 Tests</b>	<b>14</b>
7.1 Dielectric strength	14
7.2 Overload and temperature	15
7.3 Strain relief	15
7.4 Retention of mating connectors	15
7.5 Flame retardance	16
7.6 Snap-fit covers — All types	16
7.7 Bonding impedance	17
7.8 Aging/penetration	17

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# Preface

This is the third edition of CSA C22.2 No. 203.1, *Manufactured wiring systems*. It supersedes the previous editions published in 2014 and 1994. It is one of a series of Standards issued by CSA Group under Part II of the *Canadian Electrical Code*.

For general information on the Standards of the *Canadian Electrical Code, Part II*, see the Preface of CSA C22.2 No. 0, *General requirements — Canadian Electrical Code, Part II*.

The major changes to this edition include the following:

- a) the power table systems removed from Annex A and incorporated into CSA C22.2 No. 203.2; and
- b) editorial changes.

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

This Standard was prepared by the Subcommittee on Specialized Wiring Systems, 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 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.

**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 CSA committee interpretation has not already been published, CSA Group’s procedures for interpretation shall be followed to determine the intended safety principle.”

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## 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 Standard 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 Standard.*
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  - a) *define the problem, making reference to the specific clause, and, where appropriate, include an illustrative sketch;*
  - b) *provide an explanation of circumstances surrounding the actual field condition; and*
  - 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 available on the Current Standards Activities page at [standardsactivities.csa.ca](https://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.*

# CSA C22.2 No. 203.1:22

## ***Manufactured wiring systems***

### **1 Scope**

#### **1.1**

This Standard applies to manufactured wiring systems for installation in accessible areas in dry, nonhazardous locations in accordance with the *Canadian Electrical Code, Part I*.

#### **1.2**

This Standard applies to manufactured wiring systems having a maximum voltage rating of 600 V, and a maximum current rating of 30 A.

#### **1.3**

In this Standard, “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. For dated references, only the edition cited shall apply. For undated references, the latest edition of the referenced document (including any amendments) shall apply.

#### **CSA Group**

C22.1

*Canadian Electrical Code, Part I*

C22.2 No. 0

*General requirements — Canadian Electrical Code, Part II*

C22.2 No. 0.3

*Test methods for electrical wires and cables*

CAN/CSA-C22.2 No. 0.4

*Bonding of electrical equipment*