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C22.2 No. 21-14

Cord sets and power-supply cords

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C22.2 No. 21-14
February 2014

Title: *Cord sets and power-supply cords*

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™A trade-mark of the Canadian Standards Association, operating as "CSA Group"

Published in February 2014 by CSA Group
A not-for-profit private sector organization
5060 Spectrum Way, Suite 100, Mississauga, Ontario, Canada L4W 5N6

To purchase standards and related publications, visit our Online Store at ***shop.csa.ca***
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ISBN 978-1-77139-177-1

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Preface

This is the ninth edition of CSA C22.2 No. 21, *Cord Sets and Power Supply Cords*.

This edition supersedes previous editions published in 1995, 1990, 1984, 1978, 1960, 1954, 1941, and 1935 and is written in SI (metric) units, except the wire gauge sizes.

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

This Standard was prepared by Subcommittee ICWD — Wiring Devices for Household and Similar Use, 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.

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 Group's procedures for Interpretation shall be followed to determine the intended safety principle."

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.*

4) *To submit a request for interpretation of this Standard, please send the following information to inquiries@csagroup.org and include "Request for interpretation" in the subject line:*

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.

5) *This Standard is subject to review five years from the date of publication, and suggestions for its improvement will be referred to the appropriate committee. To submit a proposal for change, please send the following information to inquiries@csagroup.org and include "Proposal for change" in the subject line:*

a) *Standard designation (number);*

b) *relevant clause, table, and/or figure number;*

c) *wording of the proposed change; and*

d) *rationale for the change.*

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 Web site at www.csa.ca.

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Cord sets and power-supply cords

1 Scope

1.1
This Standard specifies the requirements for cord sets and power-supply cords employing molded-on or assembled-on fittings, rated 600 V maximum, and intended for use in non-hazardous locations in accordance with the *Canadian Electrical Code, Part I*, CSA C22.1-12 and *General Requirements—Canadian Electrical Code, Part II*, CSA C22.2 No. 0-10.

1.2
This Standard also specifies the requirements for molded-on general-use attachment plugs and cord connectors.

1.3
This Standard also specifies the requirements for hospital grade attachment plugs and cord connectors.

1.4
This Standard also specifies the requirements for cord restraint devices.

1.5
This Standard does not cover cord sets or power supply cords used in Electric Vehicle (EV) charging applications. Those type of cords are covered in C22.2 No. 280 standard.

1.6
This Standard contains the following annexes:
a) Annex A — Component standards reference list;
b) Annex B — Illustrative definitions;
c) Annex C — Canadian marking translations;
d) Annex D — Cord reels and power bars;
e) Annex E — Seasonal use cord sets; and
f) Annex F — Manufacturing and production tests.

1.7
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.

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