



CSA C22.2 No. 271:11
National Standard of Canada
(reaffirmed 2020)



Photovoltaic cables



Standards Council of Canada
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Revision History

CSA C22.2 No. 271:11, Photovoltaic cables

National Standard of Canada — June 2020
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.

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Update No. 1

C22.2 No. 271-11

December 2013

Note: For information about the **Standards Update Service**, go to **shop.csa.ca** or e-mail **techsupport@csagroup.org**.

Title: *Photovoltaic cables* — originally published May 2011

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

Revised	Clauses 5.2, 5.7.2.2, 6.13, 6.19, and Table 4
New	None
Deleted	Clause 6.17

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

C22.2 No. 271-11

Photovoltaic cables

1 Scope

1.1

This Standard specifies requirements for photovoltaic single-conductor and multi-conductor thermoset-insulated wires and cables that are rated 600, 1000, or 2000 V, suitable for ac and dc systems, and intended for installation in accordance with the *Canadian Electrical Code, Part I*.

Notes:

- (1) See Table 1 for the wire and cable types covered by this Standard.
- (2) See Table 2 for voltage and maximum conductor temperature ratings for the wire and cable types covered by this Standard.

1.2

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.

1.3

The values given in SI units are the units of record for the purposes of this Standard. The values given in parentheses are for information and comparison only.

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

C22.2 No. 0-10

General requirements — Canadian Electrical Code, Part II

C22.2 No. 58-10

Thermoset-insulated wires and cables

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

Wire and cable test methods