



IEC 60245-4

Edition 4.0 2026-04

# INTERNATIONAL STANDARD

REDLINE VERSION

**Rubber insulated cables - Rated voltages up to and including 450/750 V -  
Part 4: Cords and flexible cables**

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

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FOREWORD

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This redline version of the official IEC Standard allows the user to identify the changes made to the previous edition IEC 60245-4:2011. A vertical bar appears in the margin wherever a change has been made. Additions are in green text, deletions are in strikethrough red text.

International Standard IEC 60245-4 has been prepared by IEC technical committee TC 20: Electric cables. It is an International Standard.

This fourth edition of IEC 60245-4 cancels and replaces the third edition published in 2011. This edition constitutes a technical revision.

This edition includes the following significant technical changes with respect to the previous edition:

- a) reference to tests according to IEC 60245-2 has been deleted and replaced by IEC 63294;
- b) normative references have been updated.

The text of this International Standard is based on the following documents:

Draft	Report on voting
20/2273/FDIS	20/2282/RVD

Full information on the voting for its approval can be found in the report on voting indicated in the above table.

The language used for the development of this International Standard is English.

This document was drafted in accordance with ISO/IEC Directives, Part 2, and developed in accordance with ISO/IEC Directives, Part 1 and ISO/IEC Directives, IEC Supplement, available at [www.iec.ch/members\\_experts/refdocs](http://www.iec.ch/members_experts/refdocs). The main document types developed by IEC are described in greater detail at [www.iec.ch/publications](http://www.iec.ch/publications).

This document is to be used in conjunction with IEC 60245-1:2026.

A list of all the parts in the IEC 60245 series, published under the general title *Rubber insulated cables - Rated voltages up to and including 450/750 V*, can be found on the IEC website.

The committee has decided that the contents of this document will remain unchanged until the stability date indicated on the IEC website under [webstore.iec.ch](http://webstore.iec.ch) in the data related to the specific document. At this date, the document will be

- reconfirmed,
- withdrawn, or
- revised.

## 1 ~~General~~

### 4.1 ~~Scope~~

This part of IEC 60245 defines the particular ~~specifications~~ requirements for rubber insulated and braided cords and for rubber insulated and rubber or polychloroprene or other equivalent synthetic elastomer sheathed cords and flexible cables of rated voltages up to and including 450/750 V which apply in addition to the general requirements specified in IEC 60245-1, which apply to all cables.

~~All cables should comply with the appropriate requirements given in IEC 60245-1 and the individual types of cables should each comply with the particular requirements of this part.~~

The tests for cables specified in the IEC 60245 series are described in IEC 63294.

### 4.2 ~~Normative references~~

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

~~NOTE The IEC 60811 series is currently undergoing a revision, which will lead to a restructuring of its parts. A description of this, as well as a cross-reference table between the current and planned parts will be given in IEC 60811-100.~~

IEC 60228, *Conductors of insulated cables*

IEC 60245-1:20032026, *Rubber insulated cables - Rated voltages up to and including 450/750 V - Part 1: General requirements*  
Amendment 1:2007

~~IEC 60245-2:1994, *Rubber insulated cables - Rated voltages up to and including 450/750 V - Part 2: Test methods*~~  
Amendment 1:1997  
Amendment 2:1997

IEC 60245-8:19982026, *Rubber insulated cables - Rated voltages up to and including 450/750 V - Part 8: Cords for applications requiring high flexibility*  
Amendment 1:2004  
Amendment 2:2011

~~IEC 60811-1-1:1993, *Common Test methods for insulating and sheathing materials of electric cables and optical cables - Part 1-1: Methods for general application - Measurement of thickness and overall dimensions - Tests for determining the mechanical properties*~~  
Amendment 1:2001

~~IEC 60811-1-2:1985, *Common test methods for insulating and sheathing materials of electric cables - Part 1: Methods for general application - Section Two: Thermal ageing methods*~~  
Amendment 1:1989  
Amendment 2:2000

~~IEC 60811-1-4:1985, *Common Test methods for insulating and sheathing materials of electric cables - Part 1: Methods for general application - Section Four: Tests at low temperature*~~  
Amendment 1:1993  
Amendment 2:2001

## Bibliography

~~IEC 60719:1992, Calculation of the lower and upper limits for the average outer dimensions of cables with circular copper conductors and of Rated voltages up to and including 450/750 V~~

IEC 60245 (all parts), *Rubber insulated cables - Rated voltages up to and including 450/750 V*

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