

INTERNATIONAL STANDARD

IEC
60245-7

First edition
1994-07

**Rubber insulated cables –
Rated voltages up to and including 450/750 V –**

**Part 7:
Heat resistant ethylene-vinyl acetate rubber
insulated cables**

*This **English-language** version is derived from the original **bilingual** publication by leaving out all French-language pages. Missing page numbers correspond to the French-language pages.*



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INTERNATIONAL ELECTROTECHNICAL COMMISSION

RUBBER INSULATED CABLES – RATED VOLTAGES UP TO AND INCLUDING 450/750 V –

Part 7: Heat resistant ethylene-vinyl acetate rubber insulated cables

FOREWORD

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International Standard IEC 245-7 has been prepared by sub-committee 20B: Low-voltage cables, of IEC technical committee 20: Electric cables.

The text of this standard is based on the following documents:

DIS	Reports on voting
20B(CO)114	20B(CO)125
20B(CO)131	20B(CO)139
20B(CO)133	20B(CO)141

Full information on the voting for the approval of this standard can be found in the reports on voting indicated in the above table.

IEC 245 consists of the following parts, under the general title *Rubber insulated cables – Rated voltages up to and including 450/750 V*:

Part 1: 1994, General requirements

Part 2: 1994, Test methods

Part 3: 1994, Heat resistant silicone insulated cables

Part 4: 1994, Cords and flexible cables

Part 5: 1994, Lift cables

Part 6: 1994, Arc welding electrode cables

Part 7: 1994, Heat resistant ethylene-vinyl acetate rubber insulated cables.

This standard should be read in conjunction with parts 1 and 2.

RUBBER INSULATED CABLES – RATED VOLTAGES UP TO AND INCLUDING 450/750 V –

Part 7: Heat resistant ethylene-vinyl acetate rubber insulated cables

1 General

1.1 Scope

This part of IEC 245 details the particular specifications for ethylene-vinylacetate rubber insulated cables of rated voltages up to and including 450/750 V.

Each cable should comply with the appropriate requirements given in IEC 245-1 and the particular requirements of this part.

1.2 Normative references

The following normative documents contain provisions which, through reference in this text, constitute provisions of this part of IEC 245. At the time of publication, the editions indicated were valid. All normative documents are subject to revision and parties to agreements based on this part of IEC 245 are encouraged to investigate the possibility of applying the most recent editions of the normative documents listed below. Members of IEC and ISO maintain registers of currently valid International Standards.

IEC 228: 1978, *Conductors of insulated cables*

IEC 245-1: 1994, *Rubber insulated cables – Rated voltages up to and including 450/750 V – Part 1: General requirements*

IEC 245-2: 1994, *Rubber insulated cables – Rated voltages up to and including 450/750 V – Part 2: Test methods*

IEC 811-1-1: 1993, *Common test methods for insulating and sheathing materials of electric cables – Part 1: Methods for general application – Section 1: Measurement of thickness and overall dimensions – Tests for determining the mechanical properties*

IEC 811-1-2: 1985, *Common test methods for insulating and sheathing materials of electric cables – Part 1: Methods for general application – Section Two: Thermal ageing methods*

IEC 811-2-1: 1986, *Common test methods for insulating and sheathing materials of electric cables – Part 2: Methods specific to elastomeric compounds – Section One: Ozone resistance test – Hot set test – Mineral oil immersion test*