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(JCMA/JSA)

Polyvinyl chloride insulated cables of rated voltages up to and including 450/750 V — Part 5: Flexible cables (cords)

ICS 29.060.20

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In the event of any doubts arising as to the contents,
the original JIS is to be the final authority.

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Foreword

This translation has been made based on the original Japanese Industrial Standard revised by the Minister of Economy, Trade and Industry through deliberations at the Japanese Industrial Standards Committee as the result of proposal for revision of Japanese Industrial Standard submitted by The Japanese Electric Wire & Cable Makers' Association (JCMA)/Japanese Standards Association (JSA) with the draft being attached, based on the provision of Article 12 Clause 1 of the Industrial Standardization Law applicable to the case of revision by the provision of Article 14. Consequently **JIS C 3662-5**:2009 is replaced with this Standard.

Attention is drawn to the possibility that some parts of this Standard may conflict with patent rights, applications for a patent after opening to the public or utility model rights. The relevant Minister and the Japanese Industrial Standards Committee are not responsible for identifying any of such patent rights, applications for a patent after opening to the public or utility model rights.

JIS C 3662 series consists of the following 7 parts under the general title "*Polyvinyl chloride insulated cables of rated voltages up to and including 450/750 V*":

Part 1: General requirements

Part 2: Test methods

Part 3: Non-sheathed cables for fixed wiring

Part 4: Sheathed cables for fixed wiring

Part 5: Flexible cables (cords)

Part 6: Lift cables and cables for flexible connections

Part 7: Flexible cables screened and unscreened with two or more conductors

Polyvinyl chloride insulated cables of rated voltages up to and including 450/750 V — Part 5 : Flexible cables (cords)

Introduction

This Japanese Industrial Standard has been prepared based on the third edition of **IEC 60227-5** published in 2011 with some modifications of the technical contents deleting products whose safety cannot be verified.

The dotted underlines indicate changes from the corresponding International Standard. A list of modifications with the explanations is given in Annex JA.

1 General

1.1 Scope

This Standard specifies polyvinyl chloride insulated flexible cables (cords) of rated voltages up to and including 300/500 V. All cables comply with the appropriate requirements given in **JIS C 3662-1**, and each individual type of cable complies with the particular requirements of this Standard.

NOTE : The International Standard corresponding to this Standard and the symbol of degree of correspondence are as follows.

IEC 60227-5 : 2011 *Polyvinyl chloride insulated cables of rated voltages up to and including 450/750 V — Part 5 : Flexible cables (cords)* (MOD)

In addition, symbols which denote the degree of correspondence in the contents between the relevant International Standard and **JIS** are IDT (identical), MOD (modified), and NEQ (not equivalent) according to **ISO/IEC Guide 21-1**.

1.2 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this Standard. For standards indicated below, only the editions of the indicated year shall be applied and any revisions (including amendments) made thereafter shall not be applied.

JIS C 3660-1-1 : 2003 *Common test methods for insulating and sheathing materials of electric and optical cables — Part 1-1 : Methods for general application — Measurement of thickness and overall dimensions — Tests for determining the mechanical properties*

NOTE 1 Corresponding International Standard : IEC 60811-1-1 : 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 mechan-*