



JAPANESE
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STANDARD

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☞ JIS C 3306 : 2000
(JCMA)

**Polyvinyl chloride insulated flexible
cords**

ICS 29.060.20

Descriptors : sheathed cables, flexible conductors, polyvinyl chloride, sheathed
conductors

Reference number : JIS C 3306 : 2000 (E)

Foreword

This translation has been made based on the original Japanese Industrial Standard revised by the Minister of International 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 Maker's Association (JCMA) with the draft being attached, based on the provision of Article 12 Clause 1 of the Industrial Standardization Law. Consequently **JIS C 3306 : 1993** is replaced with this Standard.

Attention is drawn to the possibility that some parts of this Standard may conflict with a patent right, application for a patent after opening to the public, utility model right or application for registration of utility model after opening to the public which have technical properties. The relevant Minister and the Japanese Industrial Standards Committee are not responsible for identifying the patent right, application for a patent after opening to the public, utility model right or application for registration of utility model after opening to the public which have the said technical properties.

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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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Polyvinyl chloride insulated flexible cords

Introduction This Japanese Industrial Standard corresponds to **IEC 60227-5** *Polyvinyl chloride insulated cables of rated voltages up to and including 450/750 V—Part 5 : Flexible cables (cords)* published as the second edition in 1997, but includes the technical deviations due to national reasons.

There is another Japanese Industrial Standard; **JIS C 3662-5** : 1998 (Japanese language) *Polyvinyl chloride insulated cables of rated voltages up to and including 450/750 V—Part 5 : Flexible cables (cords)*, which is just translation of **IEC 60227-5** : 1997 without technical deviations.

1 Scope This Standard specifies flexible cords and cabtyre cords (hereafter referred to as “cords”) insulated with compound mainly composed of polyvinyl chloride (hereafter referred to as “PVC”), and intended for use in small electric appliances of a.c. 300 V or under principally for indoor service.

Remarks : The International Standard corresponding to this Standard is given below.

In addition, abbreviations 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**.

IEC 60227-5 : 1997 *Polyvinyl chloride insulated cables of rated voltages up to and including 450/750 V—Part 5 : Flexible cables (cords)* (NEQ)

2 Normative references The following standards contain provisions which, through reference in this Standard, constitute provisions of this Standard. The most recent editions of the standards (including amendments) indicated below shall be applied.

JIS C 3005 *Test methods for rubber or plastic insulated wires and cables*

JIS C 3102 *Annealed copper wires for electrical purposes*

3 Classes and symbols The classes and symbols of cords shall be as given in Table 1.

Table 1 Classes and symbols

Class	Symbol ⁽¹⁾
PVC insulated single-core cord	VSF
Heat-resistant PVC insulated single-core cord	HVSF
PVC insulated twin-twisted cord	VTF
Heat-resistant PVC insulated twin-twisted cord	HVTF
PVC insulated flat cord	VFF
Heat-resistant PVC insulated flat cord	HVFF
PVC insulated cabtyre round cord	VCTF
Heat-resistant PVC insulated cabtyre round cord	HVCTF
PVC insulated cabtyre oval cord	VCTFK
Heat-resistant PVC insulated cabtyre oval cord	HVCTFK

Note (1) Symbols designate the following:

- V : polyvinyl chloride
- SF : single core flexible cord
- TF : twin-twisted flexible cord
- FF : flat flexible cord
- CTF : cabtyre cord
- K : oval
- H : heat-resistant insulation

4 Characteristics The characteristics shall meet the requirements given in Table 2 when tested by the method specified in 6.