JIS

JAPANESE INDUSTRIAL STANDARD

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JIS C 3316 : 2000

(JCMA)

Polyvinyl chloride insulated wires for electrical apparatus

ICS 29.060.20

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

Reference number : JIS C 3316 : 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 3316** : 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 wires for electrical apparatus

Introduction This Japanese Industrial Standard corresponds to **IEC 60227-3** *Polyvinyl chloride insulated cables of rated voltages up to and including 450/750 V—Part 3 : Non-sheathed cables for fixed wiring* published as the second edition in 1997, but includes the technical deviations due to national reasons.

There is another Japanese Industrial Standard, **JIS C 3662-3** : 1998 (Japanese language) *Polyvinyl chloride insulated cables of rated voltages up to and including 450/750 V—Part 3 : Non-sheathed cables for fixed wiring*, which is just translation of **IEC 60227-3** : 1997 without technical deviations.

1 Scope This Standard specifies electrical wires insulated with compound mainly composed of polyvinyl chloride (hereafter referred to as "PVC"), whose conductors are flexible stranded wires (hereafter referred to as "wires") to be used mainly in wiring of electrical machinery and apparatus of not exceeding 600 V.

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 60227-3 : 1997 *Polyvinyl chloride insulated cables of rated voltages up to and including 450/750 V—Part 3 : Non-sheathed cables for fixed wiring* (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*

JIS C 3152 *Tin coated annealed copper wires*

3 Classification and symbols The classification and symbols shall be as shown in Table 1.

Table 1 Classification and symbol

Classification	Symbol (1)
PVC insulated wires for electrical apparatus	KIV
Heat-resistant PVC insulated wires for electrical apparatus	HKIV

Note (1) The meanings of symbols are as given below.

K : for electrical apparatus

IV : PVC insulated wires

H : heat-resistant insulation