



JAPANESE
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STANDARD

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JIS C 3404 : 2000

(JCMA)

Welding cables

ICS 25.160.30; 29.060.20

Descriptors : natural rubber, synthetic rubber, sheathed cables, arc-welding equipment,
sheathed conductors

Reference number : JIS C 3404 : 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 appropriately applicable as stated in Article 14 of the Industrial Standardization Law. Consequently **JIS C 3404 : 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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Introduction This Japanese Industrial Standard has been prepared based on **IEC 60245-6** *Rubber insulated cables of rated voltages up to and including 450/750 V—Part 6 : Arc welding electrode cables* published in 1994 as the second edition and the Amendment 1 published in 1997, however, the technical contents are modified due to the circumstances of this country.

There is **JIS C 3663-6 : 1998** *Rubber insulated cables—Rated voltages up to and including 450/750 V—Part 6 : Arc welding electrode cables* which has been prepared based on **IEC 60245-6 : 1994** without any modification in the technical contents.

1 Scope This Japanese Industrial Standard specifies the welding cables (hereafter referred to as “cables”) mainly to be used on the secondary side of arc welders.

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

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**.

IEC 60245-6 : 1997 *Rubber insulated cables of rated voltages up to and including 450/750 V—Part 6 : Arc welding electrode cables* and Amendment 1 : 1997 (NEQ)

2 Normative references The following standards contain provisions which, through reference in this Standard, constitute provisions of this Standard. The most recent editions (including amendments) of the standards 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 of cables shall be as given in Table 1. Examples of structure and sectional views are shown in Fig. 1.