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Cables and flexible cords for electrical equipment of ships

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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 Japanese Industrial Standard has been revised by the Minister of Economy, Trade and Industry and the Minister of Land, Infrastructure, Transport and Tourism 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)/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 3410**:2010 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 Ministers 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.

Cables and flexible cords for electrical equipment of ships

Introduction

This Japanese Industrial Standard has been prepared based on **IEC 60092-353** : 2011 (Edition 3), **IEC 60092-354** : 2014 (Edition 3), **IEC 60092-360** : 2014 (Edition 1) and **IEC 60092-376** : 2003 (Edition 2), in order to establish a standard for cables and flexible cords for ships reflecting the actual situations in Japan with some modifications of the technical contents.

The vertical lines on both sides and dotted underlines indicate changes from the corresponding International Standards. A list of modifications with the explanations is given in Annex JD. Annex JA, Annex JB and Annex JC are unique to **JIS** and not given in the corresponding International Standards.

1 Scope

This Standard specifies cables, flexible cords and insulated wires used for electrical installations in ships.

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

IEC 60092-353 : 2011 *Electrical installations in ships — Part 353 : Power cables for rated voltages 1 kV and 3 kV*

IEC 60092-354 : 2014 *Electrical installations in ships — Part 354 : Single- and three-core power cables with extruded solid insulation for rated voltages 6 kV (U_m = 7,2 kV) up to 30 kV (U_m = 36 kV)*

IEC 60092-360 : 2014 *Electrical installations in ships — Part 360 : Insulating and sheathing materials for shipboard and offshore units, power, control, instrumentation and telecommunication cables*

IEC 60092-376 : 2003 *Electrical installations in ships — Part 376 : Cables for control and instrumentation circuits 150/250 V (300 V)* (overall evaluation : MOD)

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

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 3005 : 2014 *Test methods for rubber or plastic insulated wires and cables*