

JIS

JAPANESE
INDUSTRIAL
STANDARD

Translated and Published by
Japanese Standards Association

JIS C 3202 : 2014

(JCMA/JSA)

Enamelled winding wires

ICS 29.060.10

Reference number : **JIS C 3202 : 2014 (E)**

Date of Establishment: 1950-07-15

Date of Revision: 2014-02-20

Date of Public Notice in Official Gazette: 2014-02-20

Investigated by: Japanese Industrial Standards Committee
Standards Board

Technical Committee on Electricity Technology

JIS C 3202:2014, First English edition published in 2015-02

Translated and published by: Japanese Standards Association
Mita MT Building, 3-13-12, Mita, Minato-ku, Tokyo, 108-0073 JAPAN

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

© JSA 2015

All rights reserved. Unless otherwise specified, no part of this publication may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from the publisher.

Printed in Japan

KK/AT

Contents

	Page
Introduction.....	1
1 Scope.....	1
2 Normative references	1
3 Classification and symbols	1
4 Temperature index, insulation coating and characteristics.....	2
5 Conductor.....	2
6 Test methods	2
7 Inspection	2
8 Packaging and net mass of one coil.....	2
8.1 Packaging	2
8.2 Net mass of one coil	3
8.3 Coiling in sections	3
9 Designation of products	3
10 Marking.....	4
Annex A (normative) Polyester enamelled round copper winding wires	5
Annex B (normative) Polyurethane enamelled round copper winding wires	11
Annex C (normative) Self-bonding polyurethane enamelled round copper winding wires.....	17

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 3202:1994** is replaced with this Standard.

This **JIS** document is protected by the Copyright Law.

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.

Enamelled winding wires

Introduction

This Japanese Industrial Standard was established in 1950 and has gone through nine revisions up to the present. The last revision was made in 1994, and the revision at this time is to respond to the abolished classification of wires and the transmission to the **JIS C 3215** series.

No corresponding International Standard has been established at this point.

1 Scope

This Standard specifies enamelled winding wires which are used for windings and wirings of electrical equipment (hereafter referred to as “wires”). Requirements for enamelled wires not covered by this Standard shall be in accordance with **JIS C 3053**.

2 Normative references

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

JIS C 2351 *Varnishes for enameled wires*

JIS C 3053 *General rules for winding wires*

JIS C 3102 *Annealed copper wires for electrical purposes*

JIS C 3103 *Annealed copper wires for winding wires*

JIS C 3216-2 *Winding wires—Test methods—Part 2: Determination of dimensions*

JIS C 3216-3 *Winding wires—Test methods—Part 3: Mechanical properties*

JIS C 3216-4 *Winding wires—Test methods—Part 4: Chemical properties*

JIS C 3216-5 *Winding wires—Test methods—Part 5: Electrical properties*

JIS C 3216-6 *Winding wires—Test methods—Part 6: Thermal properties*

3 Classification and symbols

Wires are classified according to the conductor, the type and the thickness of coated film, and the classification and symbols shall be as given in table 1.