

# JIS

JAPANESE  
INDUSTRIAL  
STANDARD

Translated and Published by  
Japanese Standards Association

---

JIS C 3663-4 : 2021

(JCMA/JSA)

**Rubber insulated cables — Rated  
voltages up to and including 450/750 V —  
Part 4: Cords and flexible cables**

---

ICS 29.060.20

Reference number : JIS C 3663-4 : 2021 (E)

PROTECTED BY COPYRIGHT

12 S

C 3663-4 : 2021

Date of Establishment: 1998-03-20

Date of Revision: 2021-03-22

Date of Public Notice in Official Gazette: 2021-03-22

Investigated by: Japanese Industrial Standards Committee  
Standards Board for IEC area  
Technical Committee on Electricity

---

JIS C 3663-4 : 2021, First English edition published in 2022-09

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 2022

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

HN

PROTECTED BY COPYRIGHT

## Contents

	Page
Introduction .....	1
1 General .....	1
1.1 Scope .....	1
1.2 Normative references .....	1
2 Braided cord .....	2
3 Ordinary tough rubber sheathed cord .....	2
3.1 Code designation .....	2
3.2 Rated voltage .....	3
3.3 Construction .....	3
3.4 Tests .....	3
3.5 Guide to use .....	3
4 Ordinary polychloroprene or other equivalent synthetic elastomer sheathed cord .....	6
4.1 Code designation .....	6
4.2 Rated voltage .....	6
4.3 Construction .....	6
4.4 Tests .....	6
4.5 Guide to use .....	6
5 Heavy polychloroprene or other equivalent synthetic elastomer sheathed flexible cable .....	9
5.1 Code designation .....	9
5.2 Rated voltage .....	9
5.3 Construction .....	9
5.4 Tests .....	10
5.5 Guide to use .....	10
6 Polychloroprene or equivalent synthetic elastomer sheathed cable for decorative chains .....	14
6.1 Code designation .....	14
6.2 Rated voltage .....	14
6.3 Construction .....	14
6.4 Tests .....	14
6.5 Guide to use .....	15
Annex JA (informative) Comparison table between JIS and corresponding International Standard .....	18

## Foreword

This Japanese Industrial Standard has been 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 a draft being attached, based on the provision of Article 12, paragraph (1) of the Industrial Standardization Act applied *mutatis mutandis* pursuant to the provision of Article 16 of the said Act. This edition replaces the previous edition (**JIS C 3663-4** : 2007), which has been technically revised.

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

Attention is drawn to the possibility that some parts of this Standard may conflict with patent rights, published patent application or utility model rights. The relevant Minister and the Japanese Industrial Standards Committee are not responsible for identifying any of such patent rights, published patent application or utility model rights.

**JIS C 3663** series consists of the following 8 parts under the general title *Rubber insulated cables — Rated voltages up to and including 450/750 V*:

- JIS C 3663-1 *Part 1: General requirements*
- JIS C 3663-2 *Part 2: Test methods*
- JIS C 3663-3 *Part 3: Heat resistant silicone insulated cables*
- JIS C 3663-4 *Part 4: Cords and flexible cables*
- JIS C 3663-5 *Part 5: Lift cables*
- JIS C 3663-6 *Part 6: Arc welding electrode cables*
- JIS C 3663-7 *Part 7: Heat resistant ethylene-vinyl acetate rubber insulated cables*
- JIS C 3663-8 *Part 8: Cords for applications requiring high flexibility*

# Rubber insulated cables — Rated voltages up to and including 450/750 V — Part 4 : Cords and flexible cables

## Introduction

This Japanese Industrial Standard has been prepared based on IEC 60245-4 : 2011, Edition 3, with some modifications of the technical contents in consideration of the power distribution situation in Japan.

The vertical lines on both sides and dotted underlines indicate changes from the corresponding International Standard. A list of modifications with the explanations is given in Annex JA.

## 1 General

### 1.1 Scope

This Standard details the particular specifications for rubber insulated and braided cords, for rubber insulated and rubber sheathed cords and flexible cables and for rubber insulated polychloroprene or other equivalent synthetic elastomer sheathed cords and flexible cables of rated voltages up to and including 450/750 V.

This Standard applies to cords and cables conforming to the applicable requirements of JIS C 3663-1.

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

IEC 60245-4 : 2011 *Rubber insulated cables — Rated voltages up to and including 450/750 V — Part 4 : Cords and flexible cables* (MOD)

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 21-1.

### 1.2 Normative references

Part or all of the provisions of the following standards, through reference in this text, constitute provisions of this Standard. For standards with the year indication, only the editions of the indicated year shall be applied and the revisions (including amendments) made thereafter shall not be applied. For those without the indication of the year, the most recent editions (including amendments) shall be applied.

NOTE As the system of JIS C 3660 (IEC 60811) series has been restructured, the latest standard numbers are used in advance of the corresponding International Standards. A cross-reference table between the previous and new numbers of JIS C 3660 series is given in Annex A of JIS C 3660-100 : 2019.

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