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(JCMA/JSA)

**Test methods for rubber or plastic  
insulated wires and cables**

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## 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 3005**:2000 is replaced with this Standard.

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# Test methods for rubber or plastic insulated wires and cables

## Introduction

This Japanese Industrial Standard was established in 1960 and has gone through nine revisions up to the present. The last revision was made in 2000, and the revision at this time is to respond to the diversification of materials, easiness of selecting testing devices, availability of reagents and so on.

No corresponding International Standard has been established at this point, but this Standard refers to **IEC 60227-2**, **IEC 60245-2**, **IEC 60332-1-1**, **IEC 60332-1-2**, **IEC 60332-1-3**, **IEC 60502-2** and **IEC 60811** series.

## 1 Scope

This Standard specifies general test methods for wires, cables and cords insulated or sheathed by various rubber materials or plastic materials (hereafter referred to as “wires”).

## 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 B 7184 *Profile projectors*

JIS B 7502 *Micrometer callipers*

JIS B 7503 *Mechanical dial gauges*

JIS B 7507 *Vernier, dial and digital callipers*

JIS B 7512 *Steel tape measures*

JIS B 7516 *Metal rules*

JIS B 7522 *Textile tape measures*

JIS B 7721 *Tension/compression testing machines—Verification and calibration of the force-measuring system*

JIS C 3002 *Testing methods of electrical copper and aluminium wires*

JIS K 6249 *Testing methods for uncured and cured silicone rubber*

JIS K 6251 *Rubber, vulcanized or thermoplastics—Determination of tensile stress-strain properties*

JIS K 6258 *Rubber, vulcanized or thermoplastic—Determination of the effect of liquids*

JIS K 7112 *Plastics—Methods of determining the density and relative density of non-cellular plastics*