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**Extension and compensating cables for
thermocouples**

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In the event of any doubts arising as to the contents,
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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 Japan Electric Measuring Instruments Manufactures' Association (JEMIMA)/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 1610** : 1995 is replaced with this Standard.

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Extension and compensating cables for thermocouples

Introduction

This Japanese Industrial Standard has been prepared based on the second edition of **IEC 60584-3** published in 2007 with some modifications of the technical contents.

The portions given sidelines or dotted underlines are the matters in which the contents of the corresponding International Standard have been modified. A list of modifications with the explanations is given in Annex JB. Annex JA is the matters not stated in the corresponding International Standard.

1 Scope

This Standard specifies the extension and compensating cables to be used in combination with the thermocouples and the mineral insulated thermocouples (hereafter referred to as “thermocouples”) specified in **JIS C 1602** and **JIS C 1605**.

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

IEC 60584-3 : 2007 *Thermocouples — Part 3 : Extension and compensating cables — Tolerances and identification system* (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**.

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 1202 *Circuit testers*

JIS C 1302 *Insulation resistance testers*

JIS C 1602 *Thermocouples*

NOTE : Corresponding International Standard : **IEC 60584-1** : 1995 *Thermocouples — Part 1 : Reference tables* (MOD)

JIS C 1605 *Mineral insulated thermocouples*

JIS C 2525 *Testing method for conductor-resistance and resistivity of metallic resistance materials*

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

JIS C 3102 *Annealed copper wires for electrical purposes*