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**Conduit systems for cable management
— Part 1: General requirements**

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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 Institute of Electrical Installation Engineers of Japan (IEIEJ)/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 8461- 1** : 2012), which has been technically revised.

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JIS C 8461 series consists of the following four parts under the general title *Conduit systems for cable management* — :

Part 1: General requirements

Part 21: Particular requirements — Rigid conduit systems

Part 22: Particular requirements — Pliable conduit systems

Part 23: Particular requirements — Flexible conduit systems

Conduit systems for cable management — Part 1: General requirements

Introduction

This Japanese Industrial Standard has been prepared based on **IEC 61386-1** : 2008, Edition 2, and its Amendment 1 : 2017, with some modifications of the technical contents, adding the specifications of conduits and conduit fittings which are used in Japan. The amendment(s) to the said International Standard has been incorporated into this Standard.

In this Standard, those clauses, subclauses and terms whose numbers are followed by capitalized Latin letters (A, B, C...) contain requirements not included in the corresponding International Standard. The vertical lines on both sides and dotted underlines indicate changes from the corresponding International Standard. A list of technical deviations with the explanations is given in Annex JA.

1 Scope

This Standard specifies requirements and tests for conduit systems, including conduits and conduit fittings, for the protection and management of insulated conductors and/or cables in electrical installations or in communication systems up to 1 000 V a.c. and/or 1 500 V d.c. This Standard applies to metallic, non-metallic and composite conduit systems, including threaded and non-threaded entries at the end of the conduit. This Standard does not apply to enclosures and connecting boxes which come within the scope of **JIS C 8462** (all parts).

NOTE 1 Certain conduit systems may also be suitable for use in hazardous atmospheres. Regard should then be taken of the extra requirements necessary for equipment to be installed in such conditions.

NOTE 2 Earthing conductors may or may not be insulated.

NOTE 3 **JIS C 8461-21**, **JIS C 8461-22** and **JIS C 8461-23** may also apply to a conduit or conduit fittings used in conduit systems.

NOTE 4 The International Standard corresponding to this Standard and the symbol of degree of correspondence are as follows.

IEC 61386-1 : 2008 *Conduit systems for cable management — Part 1: General requirements* + Amendment 1 : 2017 (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

Part or all of the provisions of the following standards, through reference in this text,