

JIS

JAPANESE
INDUSTRIAL
STANDARD

Translated and Published by
Japanese Standards Association

JIS C 8461-22 : 2016

(IEIEJ/JSA)

**Conduit systems for cable
management—Part 22: Particular
requirements—Pliable conduit
systems**

ICS 29.120.10

Reference number : JIS C 8461-22 : 2016 (E)

C 8461-22 : 2016

Date of Establishment: 2005-01-20

Date of Revision: 2016-09-20

Date of Public Notice in Official Gazette: 2016-09-20

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

JIS C 8461-22:2016, First English edition published in 2017-03

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 2017

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

HT/AT

PROTECTED BY COPYRIGHT

Contents

	Page
Introduction.....	1
1 Scope.....	1
2 Normative references	1
3 Terms and definitions	1
4 General requirements	2
5 General conditions for tests	2
6 Classification	2
7 Marking and documentation.....	2
8 Dimensions	2
9 Construction	4
10 Mechanical properties	4
11 Electrical properties	6
12 Thermal properties	6
13 Fire effects.....	6
14 External influences	6
15 Electromagnetic compatibility	7
Annex A (normative) Classification of coding for conduit systems	10
Annex B (normative) Determination of material thickness	10
Annex JA (informative) Comparison table between JIS and corresponding International Standard	11

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 Institute of Electrical Installation Engineers of Japan (IEIEJ)/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 8461-22:2005** is replaced by 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.

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 22: Particular requirements— Pliable conduit systems

Introduction

This Japanese Industrial Standard has been prepared based on the first edition of **IEC 61386-22** published in 2002 with some modifications of the technical contents, and addition of specifications for conduits used in Japan. This Standard is to be used in conjunction with **JIS C 8461-1:2012**.

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 JA.

1 Scope

Clause 1 of **JIS C 8461-1:2012** (hereafter referred to as part 1) applies, except as follows.

This Standard specifies requirements for pliable conduit systems including self-recovering conduit systems.

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

IEC 61386-22:2002 *Conduit systems for cable management—Part 22: Particular requirements—Pliable conduit systems* (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

Clause 2 of part 1 and the following apply.

JIS C 8305 *Rigid steel conduits*

JIS C 8309 *Pliable metal conduits*

JIS C 8411 *Pliable plastics conduits*

JIS C 8461-1:2012 *Conduit systems—Part 1: General requirements*

NOTE : Corresponding International Standard: IEC 61386-1:1996 *Conduit systems for cable management—Part 1: General requirements* and Amendment 1:2000

3 Terms and definitions

For the purposes of this Standard, the terms and definitions given in clause 3 of part 1 apply. However, 3.5 shall be replaced by the following.