

Translated and Published by Japanese Standards Association

JIS C 3653: 2004

(IEIEJ/JSA)

Installation methods of power cables buried ground

ICS 29.240.20

 $Reference\ number:\ JIS\ C\ 3653:2004\ (E)$

C 3653: 2004

Date of Establishment: 1987-01-01

Date of Revision: 2004-03-20

Date of Public Notice in Official Gazette: 2004-03-22

Investigated by: Japanese Industrial Standards Committee

Standards Board

Technical Committee on Electricity Technology

JIS C 3653:2004, First English edition published in 2018-07

Translated and published by: Japanese Standards Association Mita MT Building, 3-13-12, Mita, Minato-ku, Tokyo, 108-0073 JAPAN

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Printed in Japan

KK/AT

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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 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 3653:1994 is replaced with this Standard.

Attention is drawn to the possibility that some parts of this Standard may conflict with a patent right, application for a patent after opening to the public, utility model right or application for registration of utility model after opening to the public which have technical properties. The relevant Minister and the Japanese Industrial Standards Committee are not responsible for identifying the patent right, application for a patent after opening to the public, utility model right or application for registration of utility model after opening to the public which have the said technical properties.

JIS C 3653 contains the following amendments:

Annex 1 (normative) Corrugated rigid synthetic resin pipes

Annex 2 (normative) Multi-duct earthenware pipes

Annex 3 (normative) Pipes used for cableways of conduit system

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- **1 Scope** This Japanese Industrial Standard specifies installation methods of the electrical structures given below that are placed under the ground of the demand place for installing the power cables with a working voltage not exceeding 7 000 V (hereafter referred to as cables).
- a) Cableway installed by conduit system
- b) Cableway installed by direct laying system
- c) Outdoor wiring
- **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 A 5372 Precast reinforced concrete products
 - JIS C 8305 Rigid steel conduits
 - JIS C 8380 Plastic coated steel pipes for cable-ways
 - JIS C 8411 Pliable plastics conduits
 - JIS C 8430 Unplasticized polyvinyl chloride (PVC-U) conduits
 - JIS G 3452 Carbon steel pipes for ordinary piping
 - JIS G 3469 Polyethylene coated steel pipes
 - JIS K 6720-1 Plastics—Homopolymer and copolymer resins of vinyl chloride— Part 1: Designation system and basis for specifications
 - JIS K 6741 Unplasticized poly(vinyl chloride) (PVC-U) pipes
 - JIS K 6921-1 Plastics—Polypropylene (PP) moulding and extrusion materials— Part 1: Designation system and basis for specifications
 - JIS K 6922-1 Plastics—Polyethylene (PE) moulding and extrusion materials— Part 1: Designation system and basis for specifications
- **3 Terms and definitions** For the purpose of this Standard, the following terms and definitions apply.
- a) **demand place** the whole yard where electricity is used including the electric service place
- b) **electric service place** the place where the electrical structure for use of electricity is installed
 - NOTE: Power station, substation, switchyard, non-utility electric room, etc. are not included.