



JAPANESE
INDUSTRIAL
STANDARD

Translated and Published by
Japanese Standards Association

JIS G 3537 : 2011

(JWPA/JWRA)

Zinc-coated steel wire strands

ICS 77.140.10;77.140.65

Reference number : JIS G 3537 : 2011 (E)

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Date of Establishment: 1962-03-01

Data of Revision: 2011-09-20

Date of Public Notice in Official Gazette: 2011-09-20

Investigated by: Japanese Industrial Standards Committee

Standards Board

Technical Committee on Iron and Steel

JIS G 3537 : 2011, First English edition published in 2012-03

Translated and published by: Japanese Standards Association
4-1-24, Akasaka, Minato-ku, Tokyo, 107-8440 JAPAN

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Printed in Japan

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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 Wire Products Association (JWPA)/Japan Steel Wire Rope Manufacturers Association (JWRA) 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 G 3537 : 2008** is replaced with this Standard.

However, **JIS G 3537 : 2008** may be applied in the **JIS** mark certification based on the relevant provisions of Article 19 Clause 1, etc. of the Industrial Standardization Law until June 19th, 2012.

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Zinc-coated steel wire strands

1 Scope

This Japanese Industrial Standard specifies the zinc-coated steel wire strands (hereafter referred to as "steel wire strand") used for overhead ground wires, buried ground wires, messenger wires, supporting cables for electric power lines and electric communication lines and those used for similar purposes.

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) listed below shall be applied.

JIS G 3505 *Low carbon steel wire rods*

JIS G 3506 *High carbon steel wire rods*

JIS H 0401 *Test methods for hot dip galvanized coatings*

JIS Z 2241 *Metallic materials—Tensile testing—Method of test at room temperature*

JIS Z 8401 *Guide to the rounding of numbers*

3 Terms and definitions

For the purposes of this Standard, the following terms and definitions apply.

3.1 wire

material to constitute steel wire strands, which is obtained by heat-treating (patenting, annealing, etc.) the rods specified in JIS G 3505 and JIS G 3506, and then cold working and zinc-coating them

3.2 zinc-coated steel wire strand

strand obtained by intertwisting a plurality of wires to a specific thickness

4 Type and symbol

4.1 Classification by constitution

The steel wire strands are classified into 3 types, No. 1 to No. 3, in accordance with the constitution as shown in table 1. Symbols (a) and (b) are attached to Types No.2 and No. 3, as shown in table 2, denote strands for which jointing of wires after final cold working is not permissible and those for which it is permissible, respectively.

For strands of Type No.1, jointing of wires after final cold working is not permissible.