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Wire ropes

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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 Wire Products Association (JWPA)/ 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 G 3525**:2006 is replaced with this Standard.

However, **JIS G 3525**:2006 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 November 19, 2014.

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Wire ropes

Introduction

This Japanese Industrial Standard has been prepared based on the third edition of **ISO 2408** published in 2004 and the second edition of **ISO 4344** published in 2004 with some modifications of the technical contents.

The portions with continuous sidelines or dotted underlines are the matters in which the contents of the corresponding International Standards have been modified. A list of modifications with explanations is given in Annex JC.

1 Scope

This Standard specifies general wire ropes used for machines, lifts, construction works, ships, fishery, forestry, mining, ropeways and the like (hereafter referred to as “ropes”).

However, this Standard is not applicable to wire ropes with profile wires, wire ropes for aircraft control, wire ropes for mechanical control and wire ropes for structure.

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

ISO 2408:2004 *Steel wire ropes for general purposes—Minimum requirements*

ISO 4344:2004 *Steel wire ropes for lifts—Minimum requirements* (Overall evaluation: MOD)

The symbols which denote the degree of correspondence in the contents between the relevant International Standards 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 G 3506 *High carbon steel wire rods*

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

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

steel wire constructing a strand

There are bright wires which are not plated and plated wires which are galvanized.