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Wire ropes with profile wires

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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 3546: 2000** is replaced with this Standard.

However, **JIS G 3546: 2000** 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 October 21st, 2013.

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Wire ropes with profile wires

1 Scope

This Japanese Industrial Standard specifies the wire ropes with profile wires generally used for machines, elevators, constructions, ships, fishery, forestry, ropeways and others (hereafter referred to as "ropes").

However, this Standard does not apply to wire ropes, wire ropes for aircraft control, wire ropes for mechanical control and wire ropes for structure.

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 the strand

There are the naked wires and the zinc-coated wires.

3.2 profile wire

steel wire constructing the strand with profile wires, of which the cross-sectional shape is not circular

Where it is not necessary to distinguish the profile wire from the round wire, it is called a wire simply.

3.3 strand with profile wires

an element of rope constructed with plural profile wires

3.4 rope with profile wires

a rope constructed by laying plural strands with profile wires

3.5 fibre core

a fibre rope to be the centre of rope

There are the natural fibre core and the synthetic fibre core.