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**Wire ropes for aircraft control**

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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 3535**: 1998 is replaced with this Standard.

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# Wire ropes for aircraft control

## Introduction

This Japanese Industrial Standard has been prepared based on the first editions of **ISO 2020-1** and **ISO 2020-2** published in 1997 with some modifications of the technical contents.

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

## 1 Scope

This Standard specifies the wire ropes of carbon steels and stainless steels (hereafter referred to as "ropes") mainly used for aircraft controls in the temperature range of  $-54\text{ }^{\circ}\text{C}$  to  $+121\text{ }^{\circ}\text{C}$ .

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

ISO 2020-1 : 1997 *Aerospace — Preformed flexible steel wire rope for aircraft controls — Part 1 : Dimensions and loads*

ISO 2020-2:1997 *Aerospace — Preformed flexible steel wire rope for aircraft controls — Part 2 : Technical specification* (Overall evaluation: MOD)

In addition, 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 3502 *Piano wire rods*

JIS G 3506 *High carbon steel wire rods*

JIS G 4308 *Stainless 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.