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**Stainless steel wire ropes for
structure**

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Foreword

This translation has been made based on the original Japanese Industrial Standard established by the Minister of Economy, Trade and Industry through deliberations at the Japanese Industrial Standards Committee according to the proposal of establishing a Japanese Industrial Standard from Stainless Steel Building Association of Japan (SSBA)/Japan Stainless Steel Association (JSSA)/the Japanese Standards Association (JSA), with a draft of Industrial Standard based on the provision of Article 12 Clause 1 of the Industrial Standardization Law.

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In the event of any doubts arising as to the contents,
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Stainless steel wire ropes for structure

1 Scope This Japanese Industrial Standard specifies wire ropes, composed of stainless steel wires spun together, to be used for a component of buildings, bridges, steel towers, etc. (hereafter referred to as “ropes”).

2 Normative references The following standards contain provisions which, through reference in this Standard, constitute provisions of this Standard. The most recent editions of the standards (including amendments) indicated below shall be applied.

JIS G 3549 *Wire ropes for structure*

JIS G 4308 *Stainless steel wire rods*

JIS G 4314 *Stainless steel wires for springs*

3 Definitions For the purposes of this Standard the following definitions apply.

- a) **wire** Stainless steel wires composing the rope.
- b) **strand** A composing element of rope consisting of several wires (strand wire) spun around a wire (core wire), and there are a strand core and a strand (see Table 1).
- c) **rope** Final products specified in this Standard, and there are spiral ropes composed of strand only and CFRC strand ropes wound strand around a strand core (see Table 1).
- d) **rope diameter** Diameter of the circle circumscribed the rope at an arbitrary cross-section.
- e) **direction of lay** The direction in which the strand wire or the strand is stranded. There are Z-lay and S-lay (see Fig. 1).

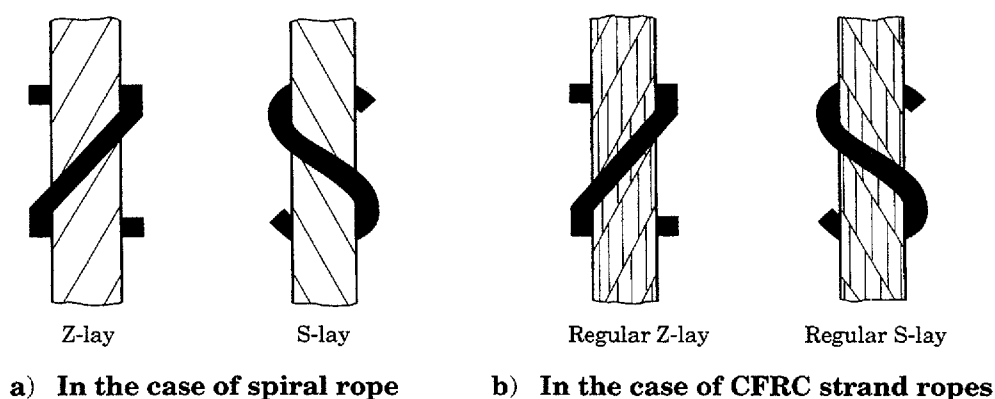


Fig. 1 Direction of lay

- f) **lot** Ropes continuously manufactured with the same machine using the same wire.
- g) **breaking load** The maximum load to destruction of test piece in the breaking test.