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JIS

JAPANESE INDUSTRIAL STANDARD

General rules on non-separable type wire connectors for interior wiring

JIS C 2810 1995

Translated and Published

by

Japanese Standards Association

In the event of any doubt arising,
the original Standard in Japanese is to be final authority.

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1. Scope This Japanese Industrial Standard specifies non-separable type wire connectors used for such mechanical connection as crimping and compression of copper wires or aluminum wires which serve in general interior or outside wall wiring not exceeding 600 V (hereafter referred to as "wire connectors"). The range of wires applicable to these wire connectors is 1.0 mm to 3.2 mm in diameter for solid wires (excluding aluminum wires), and 0.75 mm^2 to 1000 mm^2 (excluding alminum wire of 14 mm^2 or less) in nominal cross sectional area for stranded wires or flexible stranded wires.

Remarks 1. The following standard is cited in this Standard:

JIS C 9711 Compression tools for wire connectors of interior wiring

2. Definitions For the purpose of this Standard, the following principal definitions apply:

(1) non-separable type wire connector This means the separate entities used for linear connection, branch connection or end connection of wires or such entities as terminal lugs to be connected to the end of wire which do not allow separation of wires after connection without breaking of the wire connector body.

(2) crimping connection Such connection that the joint is deformed by pressure applied by an asymmetrical die.

(3) compression connection Such connection that the joint is deformed by pressure applied by a symmetrical die.

3. Classification Wire connectors are classified as given in Table 1.

Table 1.

Classification by connecting system	Classification by number of heat cycles
Crimping	Class A
Compression	Class B
	Class C

4. Performance

4.1 Construction When the test is performed in accordance with 7.2, the requirements specified in 5., 6., and 9. shall be met.