

JIS

JAPANESE INDUSTRIAL STANDARD

General rules of color identification for external lead wire of control gear with external lead wire

JIS C 0705—1996

Translated and Published

by

Japanese Standards Association

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

Errata for JIS (English edition) are printed in *Standardization Journal*, published monthly by the Japanese Standards Association.

Errata will be provided upon request, please contact:

Business Department,
Japanese Standards Association
4-1-24, Akasaka, Minato-ku,
Tokyo, JAPAN 107
TEL. 03-3583-8002
FAX. 03-3583-0462

Errata are also provided to subscribers of JIS (English edition) in *Monthly Information*.

JAPANESE INDUSTRIAL STANDARD

J I S

General rules of color identification
for external lead wire of control gear
with external lead wire

C 0705-1996

1. Scope This Japanese Industrial Standard specifies color identification for external lead wire of control gear with external lead wire⁽¹⁾. However, a control gear which is difficult to follow this Standard because plural coils or contacts exist and they are combined is exempted from application.

Note ⁽¹⁾ The control gear dealt with here is a control gear used in an electric line of a.c. 600 V or less at a frequency 50 Hz or 60 Hz, or of d.c. 750 V or less, and means such apparatus as operating switch, detecting switch, control relay and equipment consisting of combination thereof. However, wiring apparatus, receiving and distribution equipment and outdoor equipment are excluded.

Remarks: The following standards are cited in this Standard:

JIS C 0602 General rules of colour identification for protective conductor and neutral conductor and terminal marking for apparatus

JIS C 4524 High frequency proximity switches

JIS C 4525 Photoelectric switches

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

- (1) external lead wire The wire which is led out from a control gear to outside for the purpose of electrical connection with external circuit. It is abbreviated as "lead wire" hereafter.
- (2) protective grounding wire The wire which is used for grounding exposed conductive parts.
- (3) grounded side wire The neutral line which is grounded by technical requirements or other grounded line in low voltage electric lines.
- (4) rated working voltage The voltage at which the control gear is used at the prescribed conditions (making and breaking capacity, switching frequency and electrical switching endurance) under the rated working current.

3. Color identification of lead wire

3.1 Color identification of lead wire led out from coil The color identification of lead wire led out from coil shall be as stated below according to the rated working voltage.

- (1) For a.c. control gears, the coding shall be as stated in Table 1. When 50 Hz or 60 Hz is identified in a control gear with a rated working voltage 12 V or more but not exceeding 220 V, the coding shall be as stated in Table 2.