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**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB/T 30085-2013

**Industrial systems, installations and equipment and industrial
products -- Labelling of cables and cores**

工业系统、装置和设备及工业产品 电缆和电线的标记

(English Translation)

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Foreword

This standard was drafted in accordance with GB/T 1.1-2009 given rules.

This standard uses the translation method identical with IEC 62491:2008 "Industrial systems, installations and equipment and industrial products Cables and wires mark".

Correspondence between the consistency of the standards of international documents and normative references of the following documents.

--- GB/T 1988 Technical information interchange bit coded character set (ISO/IEC 646, EQV)

--- GB/T 5094.1 Industrial systems, installations and equipment and product structure principles and reference designations - Part 1. Basic rules (IEC 81346-1, IDT) the standard IEC 62491:2008 also made editorial changes.

This standard by the National Electrical information structure documentation and graphical symbols Standardization Technical Committee (SAC/TC27) and focal points.

1 Scope

The standard provides for plant, equipment and cable products, tagging rules insulated core/conductor and method, the label is to give A clear technical documentation and correspondence between actual devices and other objects. Define and describe the following methods.

- a) the use of the insulated conductors and cables with colored signs;
- b) an additional identification tag;
- c) Additional connection mark;
- d) additional signal mark.

This standard applies to industrial installations, equipment and cable products, insulated core/conductor of the mark.

This standard does not include physical design mark, the use of materials, cables and cable specified by the manufacturer on the outer conductor.

2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated version suitable for use herein Member. For undated references, the latest edition (including any amendments) applies to this document.

GB/T 4026 identifier (IEC 60445, IDT) basic safety rules and equipment terminals and conductor terminal HMI flag identified GB/T 6988.1-2008 Preparation of documents used in electrical technology - Part 1. Rules (IEC 61082-1:2006, IDT) GB/T 13534 logo color code (IEC 60757, IDT) GB/T 16679 Industrial systems, installations and equipment and industrial products signal code (IEC 61175, IDT) GB/T 18656 Industrial systems, installations and equipment and industrial product identification system terminals (IEC 61666, IDT) IEC 81346-1 Industrial systems, installations and equipment and product structure principles and reference designations - Part 1. Basic rules (In-dustrialsystems, instalationsandequipmentandindustrialproducts-Structuringprinciplesandref-erencedesignat ions-Part 1. Basicrules) ISO/IEC 646 Technical information interchange bit coded character

set (Information technology-ISO 7-bit coded character set for information interchange)

3 Terms and Definitions

The following terms and definitions apply to this document.

[Cable] conductor (of a cable) the cable having a current conducting parts specific functions.

[GB/T 2900.10,01-01] 3.2 Cable/fiber optic cable Having an outer protective layer and may have padding, insulation and a protective material or a plurality of conductors and/or a combination of the fiber.

[GB/T 2900.83,12-38]