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

GB/T 2900.10-2013

Replacing GB/T 2900.10-2001

Electrotechnical terminology -- Electric cables

电工术语 电缆

(English Translation)

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Foreword

GB/T 2900 "Electrotechnical Terminology" by a lot of parts.

This section GB/T 2900 Part 10.

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

This Part replaces GB/"Electrical cables term", compared with the GB/T 2900.10-2001 T 2900.10-2001 main changes are as follows.

--- Deleted and GB/T 2900.10-2001 in Chapter 2 of an article corresponding to the article;

--- Deleted Appendix A "Chinese index" and Appendix B "English Index", the "Chinese index" and "English index" content standards moved text;

--- The definitions of some terms used in some provisions to note (see 461-05-15,461-05-16,461-05-17,461-06-01,461-07-06,461-13-01,461-14-08,461-14-10,461-14-11);

--- Indicate the source of some of the terms (see 461-06-18,461-06-19,461-11-06,461-11-07);

--- To adopt some of the terms of the recommendations have been modified (see 461-04-04,461-07-05);

--- On the part of the terms and definitions have been modified formulation (see

461-01-02,461-01-07,461-02-01,461-02-08,461-03-01,461-05-09,461-05-11,461-10-10,461-11-14,461-17-16,461-22-01,461-23-01,461-23-02) .

This section uses the translation method identical with IEC 60050-461:2008 "International Electrotechnical Vocabulary - Part 461. Cable" in English (Article Version 2.0). No entry in this section in terms of IEC 60050-461:2008 consistent. And IEC 60050-461. Compared to 2008, the Part made the following editorial changes.

--- Fixed 461-02-08 "extruded insulation" in the definition of error, the definition of "cross-linking" to "a thermoplastic or crosslinked";

--- NOTE removed 461-03-04 on French 2;

--- NOTE removed 461-06-02 on French.

This part of the National Electrotechnical Terminology Standardization Technical Committee (SAC/TC232) proposed.

This part of the National Electrotechnical Terminology Standardization Technical Committee (SAC/TC232) National Standardization Technical Committee and the cable wire (SAC/TC213) common focal point.

This section is drafted. the machine Productivity Promotion Center, Shanghai Electric Cable Research Institute.

1 Scope

This section GB/T 2900 provisions of the cable and the associated terminology and definitions.

2.1 Conductor

461-01-01

Conductor (cable) conductor (ofacable) the cable having a current conducting parts specific functions.

461-01-02

Uncoated conductor plainconductor no other metals plated single or multiple single line consisting of a metal conductor.

461-01-03

Metal plating conductor metal-coatedconductor each metal plating single line are various other metals or alloys consisting of a thin layer of metal conductors.

461-01-04

Tinned conductor Metal plating of tin-plated conductive coating layer.

461-01-05

Metal-clad conductor Metallurgical processing method using another metal coating made of a metal as a core composed of a single line as the outer conductor.

461-01-06

Solid conductor Constitute a single wire conductor.

NOTE: Solid conductors may be circular or non-circular.

461-01-07

Stranded conductor Conductor consists of a number of wires or strands, usually in all or part of a single line or strands spiral.

Note 1: stranded conductor cross-section may be circular or non-circular.

Note 2: The term "strand" also represent a single line.

461-01-08

Circular concentric stranded conductor concentrically stranded circular conductor A plurality of wires helically twisted together, become stranded conductor having one or more concentric layers, usually adjacent layers twisted in the opposite.

461-01-09

Stranded conductor bunched conductor A plurality of wires helically twisted with the same pitch randomly twisted together to form a conductor.