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

GB/T 14316-2008

Replacing GB 14316-1993

**PVC insulated ribbon cable with a pitch of 1, 27 mm suitable for
insulation displacement termination**

间距1.27mm绝缘刺破型端接式聚氯乙烯绝缘带状电缆

(English Translation)

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Foreword

GB/T 14316-2008 "pitch 1.27mm insulation displacement termination PVC insulated ribbon cable" Edit international standards IEC 60918. 1987 "spaced 1.27mm insulation displacement termination PVC insulated ribbon cable," No. amendments IEC 60918:1992-06 "pitch 1.27mm insulation displacement termination PVC insulated ribbon cable" content is also included in the text, and in They involved the provisions margin identified by the vertical wire.

This standard is based on IEC 60918. 1987 redrafted. The standard lists the reg number and IEC 60918 in the Appendix M. 1987 Reg number control list.

Taking into account China's national conditions, in using IEC 60918. 1987, the standard of this made some changes, the relevant technical differences have been incorporated into the text, and they are involved in the provision of margin identified by a single vertical line.

This standard and IEC 60918. 1987 differences are as follows.

--- In order to unify the structure size inspection and test method to increase the "tear trough of dimensions" (this standard 4.3.3) and the "tear trough size detection Check "test method (This standard appendix K);

--- Use as a guide, add "inspection rules" (The standard Chapter 8 and Appendix L).

For ease of use, the IEC 60918. 1987, this section made the following editorial changes.

--- Remove the IEC 60918. 1987 Introduction and Foreword;

--- Chapter 2 applicable to the use of standard quotations removed IEC 60918. 1987 quotations.

This standard replaces GB 14316-1993 "pitch 1.27mm insulation displacement termination PVC insulated ribbon cable." versus GB 14316-1993 compared to the main changes are as follows (see Appendix N).

--- Adds summary (see Excerpts Chapter 3);

--- Removed some content (1993 Edition Chapter 3, Chapter 4, 5.1.1, 9, and Appendix K), for example, delete the product code, Product labeling and other content;

--- Rating no longer divided heat insulating materials (1993 version 5.1.2 and 5.3.2; edition 5.2);

--- No longer divided into different product specifications Inspection Rules (1993 edition 5.3.9; edition 5.4);

--- Increasing the pilot project "Insulation hardness test" (see this edition 5.5);

--- The table is amended as Appendix (1993 edition Table 4; edition Appendix A);

--- Modify the tear trough tear test technical requirements (the 1993 edition of Appendix C; edition 5.4 and Annex C);

--- Increasing the thermal shock test of time requirements (Excerpts Appendix E);

--- Increased normative appendix "Insulation weightlessness test" (see Appendix F);

--- Increased normative appendix "insulation resistance test method" (see Appendix H);

--- Increased normative appendix "immersion pressure test method" (see Appendix J);

--- Merged content "test" and "inspection rules" (the 1993 version of Chapter 6 and Chapter 8; edition of Appendix L);

--- Increase the informative appendix "old and new versions of the standard clauses control" (see Appendix N).

The Standard Appendix A, Appendix M and Appendix N is an informative annex; Appendix B, Appendix C, Appendix D, Appendix E, Appendix F, Appendix G, Appendix H, Appendix J,

Appendix K and Appendix L is a normative appendix.

The standard proposed by China Electrical Equipment Industrial Association.

This standard by the National Standardization Technical Committee wire and cable SAC/TC213.

This standard was drafted. Shanghai Electric Cable Research Institute.

1.27 M1 m1 pitch insulation displacement termination

PVC insulated ribbon cable

1 Scope

This standard applies to the spacing of 1.27mm, the cable core number is not more than 64 core insulation displacement termination PVC ribbon cable.

The cable long-term working temperature of -10 °C ~ 90 °C. By the customer in consultation with the manufacturer, the cable can be used on a particular time at higher temperatures, but the maximum temperature does not exceed 105 °C.

1.1 Normative References

The following documents contain provisions which, through reference in this standard and become the standard terms. For dated references, subsequent Amendments (not including errata content) or revisions do not apply to this standard, however, encourage the parties to the agreement are based on research Whether the latest versions of these documents. For undated reference documents, the latest versions apply to this standard.

GB/T 2951.12-2008 and optical cables - Common test methods for insulating and sheathing materials Part 12. General test method Thermal aging methods (IEC 60811-1-2:2000, IDT)
GB/T 2951.32-2008 cable and the cable Common test methods for insulating and sheathing materials - Part 32. Polyvinyl chloride mixture Methods specific weight loss test - Thermal stability test (IEC 60811-3-2:2003, IDT) GB/T 11327.1-1999 PVC insulated low-frequency telecommunication cables and wires - Part 1. General test and measurement Volume method (neq IEC 60189-1. 1986) GB/T 18213-2000 frequency cables and wires and coated free copper conductor resistance Calculation Guide (idt IEC 60344.

1980)

GB/T 18380.12-2008 burning test and optical fiber cables under fire conditions - Part 12. single insulated wire or cable 1kW pre-mixed combustion test vertical flame test methods (IEC 60332-1-2:2004, IDT) ISO 868:2003 Plastics and rubber --- hard indentation hardness with a durometer (Shore hardness) IEC 60028. 1925 international standard copper resistance IEC 60304. 1982 frequency cables and wires with insulation standard colors Objective 2 this standard aims to regulate this soft, flat, unshielded PVC insulated cables

(including solid conductors and stranded conductors) Technical requirements and size specifications. This displacement termination ribbon cable rated voltage of 300V and below of household appliances, electronic equipment within Unit to use.

In order to facilitate transport, the cable needs to be wound on a cable tray can even withstand temperatures of -55 °C. However, before use, the cable should at least 15 °C environment stable for some time.

3 Summary

The manufacturer has the responsibility to establish a quality assurance system, through quality control procedures to ensure that products meet the requirements of this standard. But that does not mean for each of the conductors and cables must be complete experimental verification. When customers have a designated product but acceptable testing requirements or when asked his quality program, the supply and demand sides should reach a consensus through coordination.

4.1 Conductor

4.1.1

conductor by the annealing copper wire, copper wire material should be uniform, defect-free. Conductor resistance should be consistent with IEC 60028. 1925 requirements.