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

GB/T 24976.2-2010

**Guide of environmental design for electrical accessories -- Part
2: Cable conduiting system and cable trunking and ducting
system for cable management
(English Translation)**

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Foreword

GB/T 24976 "Electrical accessories Environmental Design" includes the following sections.

- Part 1. General;
- Part 2. Conduit systems for cable management trough and pipe systems;
- Part 3. Household and similar cable reel;
- Part 4. industrial plug and socket coupler;
- Part 5. plug and socket for household and similar purposes;
- Part 6. Household and similar appliances couplers;
- Part 7. Household and similar low-voltage electrical connector device;
- Part 8. Switches for household and similar fixed electrical installations.

This part of GB/T 24976 "Electrical accessories Environmental Design," Part 2. This section should be GB/T 24976.1-2010 "Electrical accessories Environmental Design - Part 1. General Principles" used in conjunction.

This part by the Environmental Committee of the National Standardization Technical Electrical and Electronic Products and Systems (SAC/TC297) and focal points.

This section drafted by. China Electric Apparatus Research Institute, Beijing Electrical Machinery Industry Technical and Economic Research Institute.

1 Scope

This section sets out the basic principles of environmental aspects into duct systems and cable management slot tube.

This section applies to new or improved product design.

This section applies Conduit systems for cable management including metals, non-metallic and composite conduit systems, including those systems screw termination Inlet conduit lines and non-threaded. Cable management system includes a conductor groove tube, cable or cord electrical devices and/or other electrical equipment Preparation of ad hoc, and where necessary, they are spaced cable ducts and cable tray systems.

The purpose of this section is to the product design stage to control its impact on the environment.

2 Normative references

The following documents contain provisions which, through reference GB/T 24976 in this section constitute provisions of this section. For dated reference documents Member, all subsequent amendments (not including errata content) or revisions do not apply to this section, however, encouraged to reach under this section Parties to research agreement to use the latest versions of these documents. For undated reference documents, the latest versions apply to this section.

GB/T 19215.1 electrical installations cable trunking and ducting systems - Part 1. General requirements (GB/T 19215.1-2003, IEC 61084-1.

1991, MOD)

GB/T 24976.1-2010 electrical accessories Environmental Design - Part 1. General

3 Terms and Definitions

GB/T 24976.1-2010 Chapter 3 apply.

4 Environmental aspects into consideration overall product design and development

GB/T 24976.1-2010 Chapter 4 apply.

5.1 General

GB/T 24976.1-2010 5.1 add the following after apply.

Designers should note that research GB/T 19215.1 of the relevant requirements.

5.2 Raw material acquisition phase

GB/T 24976.1-2010 5.2 apply to add the following after.

5.2.101 Insulating material

Designers should note that research the following principles.

a) material category Cable management duct and insulation materials used in the manufacture corrugated tube in the main tube, pipe fittings and other components, should be preferred thermoplastic engineering Plastics (eg, PP, PE, PC, ABS, etc.).