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

GB/T 24976.3-2010

**Guide of environmental design for electrical accessories -- Part
3: Cable reels for household application and similar purposes
(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" in Part 3. 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 household and similar cable reel product (hereinafter referred to as cable reel) of.

This section applies to new or improved product design.

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 19637 for electrical accessories for household and similar purposes cable reel (GB/T 19637-2005, IEC 61242:1995, MOD) GB/T 24976.1-2010 electrical accessories
Environmental Design - Part 1. Guidelines

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 19637 in 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 (Eg, PC, PA, ABS, etc.).
- b) a flame retardant Preferred not contain a halogen element, bromine-based flame retardant plastic elements, such as DMC choice of Al (OH) 3, Sb₂O₃, phosphoric acid Ester, Mg (OH) 2. Wherein Al (OH) 3 both inorganic filler and a flame retardant effect, more extensive use. Nylon can be used phosphorus Department of elements, nitrogen-based elements.
- c) fillers

Asbestos should not be selected as a filler, preferably glass fiber or other material as a filler.