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

GB/T 38127-2019

Articulated systems and flexible systems for cable guiding

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Foreword

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

This standard uses the redrafting method to modify the use of IEC 62549.2011 "Hinged and Flexible Cable Management System for Cable Guidance".

The technical differences between this standard and IEC 62549.2011 and their reasons are as follows.

--- The first paragraph of Chapter 1 "Scope" was amended to read "This standard specifies a hinged and flexible cable management system for cable guidance.

General requirements, general conditions of testing, classification, marking and documentation, dimensions, structure, mechanical properties, electrical properties, flame effects,

External influence, electromagnetic compatibility. "

---About the normative reference documents, this standard has made technical adjustments to adapt to China's technical conditions, adjustments

The situation is reflected in Chapter 2, "Regulatory Citations", and the specific adjustments are as follows.

* Replace IEC 60529.1989 and its Modification No. 1 with GB/T 4208-2017 equivalent to the international standard (see

6.5, 7.4, 10.3.1, 13.1.2.1, 13.1.3.1, 13.1.4.1);

* Replace IEC 60417 with GB/T 5465.2 equivalent to the international standard (see 7.4);

* Replace IEC 60695-2-11.2000 with GB/T 5169.11-2017 equivalent to the international standard (see 12.1.2);

* Replace IEC 60670 (all parts) with GB/T 17466 (all parts) modified to international standards (see 3.6, 3.7,

4 5.3, Appendix A).

This standard also made the following editorial changes.

--- Add reference GB/T 2900.73-2008.

This standard was proposed by the China Electrical Equipment Industry Association.

This standard is under the jurisdiction of the National Electrical Equipment Standardization Technical Committee (SAC/TC67).

This standard was drafted. Guangdong Huanan Household Electrical Appliances Research Institute, Zhongshan Changshun Hardware Products Co., Ltd., China Electric Apparatus Research Institute

Co., Ltd., Guangdong Yitong Technology Co., Ltd., Shenzhen Dezhong Technology Co., Ltd., Weikai Testing Technology Co., Ltd., Ningbo Ouzhi Electric Co., Ltd.

Technology Co., Ltd.

1 Scope

This standard specifies the general requirements for the hinged and flexible cable management system for cable guidance, the general conditions of the test, the classification,

Signs and documents, dimensions, construction, mechanical properties, electrical properties, flame effects, external influences and electromagnetic compatibility.

This standard is applicable to the accommodation of other electrical equipment that accommodates and fixes cables and may be in the installation environment of electrical or communication appliances.

Strong linear geometric cable guide. The maximum voltage of these devices is 1000Va.c. or 1500Vd.c.

This standard does not apply to cable duct equipment, cable duct equipment, duct equipment, duct tray equipment, duct ladder equipment, power busbars

Equipment involved in the installation, energy transmission chain or other standards.

2 Normative references

The following documents are indispensable for the application of this document. For dated references, only dated versions apply to this article.

Pieces. For undated references, the latest edition (including all amendments) applies to this document.

GB/T 2423.55-2006 Environmental testing for electric and electronic products - Part 2. Test methods Test Eh. Hammer test

(IEC 60068-2-75.1997, IDT)

GB/T 4208-2017 enclosure protection class (IP code) (IEC 60529..2013, IDT)

GB/T 5169.5-2008 Fire hazard testing for electric and electronic products - Part 5

Confirmation test methods and guidelines (IEC 60695-11-5.2004, IDT)

GB/T 5169.11-2017 Electrical and electronic products - Fire hazard testing - Part 11.

Glowing wire/hot wire basic test method

Glow wire flammability test method (GWEPT) (IEC 60695-2-11.2014, IDT)

GB/T 5465.2 Graphical symbols for electrical equipment - Part 2. Graphical symbols (GB/T 5465.2-2008, IEC 60417DB.

2007, IDT)

GB/T 17466 (all parts) Household and similar fixed electrical installations, electrical accessories, mounting boxes and enclosures [IEC 60670

There are some)]

GB/T 20138-2006 Degree of protection of external electrical equipment enclosures against external mechanical impact (IK code) (IEC 62262.2002, IDT)

IEC 60423.2007 Cable management conduit systems for the electrical installation of the outer diameter of the conduit and the thread of the conduit and fittings (Conduit

Systemsforcablemanagement-Outsidediametersofconduitsforelectricalinstalationsandthrea
ds

Forconduitsandfittings)

3 Terms and definitions

The following terms and definitions apply to this document.

3.1

Hinged system for cable guidance articulatedsystemforcableguiding

A component consisting of a hinge section for cable guiding and possibly other system components that accommodate cables and other electrical equipment.

NOTE 1 An example of a hinged system for cable guidance is given in Figure 1.

Note 2. An example of the application is given in Figure 2.