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

JG/T 526-2017

Replacing JG/T 3053-1998

**Pliable metal conduit for architecture electric installation
(English Translation)**

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Foreword

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

This standard replaces JG/T 3053-1998 "Flexible Metal Wire Protection Sleeves", which is a major change from JG/T 3053-1998.

as follows.

--- The standard name changed from "Flexible metal wire protection sleeve" to "Building electrical flexible metal tube";

--- The structure of the bendable metal conduit for electrical construction has been modified;

--- According to the mechanical properties, the flexible electrical conduits for building electrical appliances are classified;

--- Increased insulation performance in performance requirements, while supplementing tensile and compressive performance requirements;

--- Increase the related content of flexible electrical conduits for building electrical appliances.

This standard is proposed by the Institute of Standardization of Housing and Urban-Rural

Development Standards.

This standard is under the jurisdiction of the Building Electrical Standardization Technical Committee of the Ministry of Housing and Urban-Rural Development.

1 Scope

This standard specifies the terms and definitions, classifications and markings, requirements, test methods, and inspection rules for flexible electrical conduits for building electrical use.

Signs, packaging, transportation and storage.

This standard applies to flexible electrical conduits for civil and general industrial buildings (hereinafter referred to as conduits).

2 Normative references

The following documents are indispensable for the application of this document. For dated references, only dated versions apply to this article. For undated references, the latest version (including all amendments) applies to this document.

GB/T 2518-2008 Continuous hot galvanized steel sheet and strip GB/T.20041.1-2015 Cable Management Conduit System Part 1. General Requirements GB/T.20041.22-2009 Conduit systems for cable management. Part 22. Particular requirements for flexible conduit systems

3 Terms and Definitions

The following terms and definitions apply to this document.

Electrical flexible metal conduit pliable metal conduit for electric installation it is only necessary to apply a proper force by hand to bend, but metal conduits that are frequently bent are not expected. For power lines, weak/intelligent lines the use of insulated wire, cable, or fiber optic cable for access and/or replacement.

Accessories conduit fitting Fittings, fasteners, etc. associated with the installation of the catheter.

Flat rate flattening the pressure change rate of the outer diameter when the catheter is under pressure is used to describe the compression resistance of the catheter.

4.1.1 Classification by Function

According to the function is divided into the following three categories.

a) basic type, no code, structure, see Appendix A Figure A.1;

- b) waterproof type, code V, structure shown in Figure A.2;
- c) Halogen-free waterproof type, code-named WV, structure shown in Figure A.2.