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

GB/T 11017.3-2024

Replacing GB/T 11017.3-2014

**Power cables with cross-linked polyethylene insulation and
their accessories for rated voltage of 66 kV ($U_m=72.5$ kV) and
110 kV ($U_m=126$ kV) - Part 3: Accessories**

额定电压66 kV ($U_m=72.5$ kV) 和110 kV ($U_m=126$ kV) 交联聚乙烯绝缘电力电
缆及其附件 第3部分：电缆附件

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Foreword

This document is in accordance with the provisions of GB/T 1.1-2020 "Guidelines for standardization work Part

1. Structure and drafting rules for standardization documents" Drafting. This document is GB/T 11017 "Rated voltage 66kV ($U_m=72.5\text{kV}$) and 110kV ($U_m=126\text{kV}$) cross-linked polyethylene insulation Power cables and their accessories" Part 3: GB/T 11017 has published the following parts.

1. Test methods and requirements;

3. Cable accessories. This document replaces GB/T 11017.3-2014 "Rated voltage 110kV ($U_m=126\text{kV}$) cross-linked polyethylene insulated power cables and their Annex Part

3. Cable accessories, compared with GB/T 11017.3-2014, in addition to structural adjustments and editorial changes, the main technical changes are The following.

--- Increased the range of rated voltage (see Chapter 1 and 4.1);

--- Added the routine test items of the annex (see Table 3);

--- Changed the accessory type test items and requirements (see Table 3, Table 3 of the 2014 edition);

--- Changed the provisions on packaging, transportation and storage of accessory products (see Chapter 10, Chapter 10 of the 2014 edition). Please note that some of the contents of this document may involve patents. The issuing organization of this document does not assume the responsibility for identifying patents. This document was proposed by the China

Electrical Equipment Industry Association. This document is under the jurisdiction of the National Technical Committee for Standardization of Wire and Cable (SAC/TC213). This document was drafted by: Shanghai Cable Research Institute Co., Ltd., China Electric Power Research Institute Co., Ltd., Shanghai Guolan Testing Co., Ltd. Co., Ltd., Changlan Technology Group Co., Ltd., TBEA Showa (Shandong) Cable Accessories Co., Ltd., Shanghai Yongjin Electric Technology Co., Ltd. Co., Ltd., Shanghai Sanyuan Cable Accessories Co., Ltd., Jiangsu Yuchengyeji Electrical Equipment Co., Ltd., Changyuan Electric Power Technology Co., Ltd., Guangdong Jixian Cable Accessories Co., Ltd., Jiangsu Zhongtian Technology Cable Accessories Co., Ltd., Qingdao Hanlan Co., Ltd., Shenyang Furukawa Cable Co., Ltd. Co., Ltd., Hangzhou Huaxin Electric Power Cable Co., Ltd. The main drafters of this document are. Xia Junfeng, Deng Xianbo, Gu Xiao, Li Shaobin, Chen Mengmeng, Ke Degang, Xu Cao, Tang Zhihui, Xu Yongjun, Long Liying, Tian Zhengbing, Zhang Jie, Zhao Haijun, Guo Haijun. The previous versions of this document and the documents it replaces are as follows:

---First published in 1989 as GB/T 11017-1989;

--- The first revision in.2002 was adjusted to GB/T 11017.3-2002, and the second revision in.2014;

---This is the third revision.

Rated voltage 66kV and 110kV power cables are widely used in power transmission networks, in urban power grids, large enterprises, and new energy power generation. GB/T 11017 is a product standard for power cables and accessories with rated voltages of 66kV and 110kV. The naming rules, test methods, technical requirements, etc. of power cables and accessory systems are planned to be composed of three parts.

1.Test methods and requirements. The purpose is to specify the general Requirements for test methods and procedures.

1 Scope

GB/T 11017.3-2024 is the Chinese national standard on power cables with cross-linked polyethylene insulation and their accessories for rated voltage of 66 kv ($um=72.5$ kv) and 110 kv ($um=126$ kv) - part 3: accessories, in the field of electrical engineering. The /T suffix marks it as a recommended standard: it is not compulsory by itself, but it becomes binding as soon as a contract, a tender or a customer specification calls it up - which in practice is how most foreign buyers meet it. It was issued on 29 September 2024 by the State Administration for Market Regulation; Standardization Administration of China, and has been in force since 1 April 2025. Classification: ICS 29.060.20, CCS K13. This page is published from the official record of the standard held by the Chinese standards administration: the identification, the dates, the classification and the issuing body are taken from there. The clause text, the tables and the numeric limits are in the document itself,

which is delivered complete in English translation.

This document specifies the conditions of use, product naming, technical specifications, and other requirements of accessories for cross-linked polyethylene insulated power cables with rated voltages of 66 kV and 110 kV. Technical requirements, testing and acceptance rules, packaging, transportation and storage. This document is applicable to outdoor terminals for cross-linked polyethylene insulated power cables with rated voltages of 66kV and 110kV under general installation conditions. Terminals, GIS terminals, oil-immersed (transformer) terminals, straight-through connectors and insulating connectors.

2 Normative references

The contents of the following documents constitute essential clauses of this document through normative references in this document. For referenced documents without a date, only the version corresponding to that date applies to this document; for referenced documents without a date, the latest version (including all amendments) applies to This document.

GB/T 311.1 Insulation coordination Part

3 Terms and definitions

The following terms and definitions apply to this document.