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

GB/T 47345-2026

**General specification for charging and data cables of
multimedia devices**

多媒体设备充电线、数据线通用规范

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Foreword

This document complies with the provisions of GB/T 1.1-2020 "Standardization Work Guidelines Part

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Shenzhen Orange Digital Technology Co., Ltd., Shenzhen City Lederui Technology Co., Ltd. The main drafters of this document are. Chan Xiaoxiao, Liu Yunzhu, Zhang Xinyuan, Zhao Xiaoying, He Penglin, Dong Yuezuan, Zhang Ran, Yang Jie, Lin Junrong, and Liu Pengshuai. Wu Chunyu, Zhao Xiangling, Guo Xiugen, Tang Zilong, Du Yanfeng, Tang Songwen, Wu Yongming, Wang Jiacheng, Zhou Hui, Bai Zhongtao, Liu Zhenghua, Jiang Xiaobo. General Specifications for Multimedia Device Charging Cables and Data Cables

1 Scope

GB/T 47345-2026 is the Chinese national standard covering the cable in everyone's bag - the conductor and its current capacity, the connector and its durability over thousands of insertions, the data performance, the bend and pull endurance and the safety of a cable carrying a hundred watts to a phone. First edition, in force since 1 July 2026. It was issued on 31 March 2026 and has been in force since 1 July 2026, as a first edition. This page is published from the official record of the 2026 edition; the clause text of a standard this recent is not yet in circulation, and the figures, limits and tables it contains are those of the document itself, delivered in full with the English translation.

This document specifies the technical requirements for charging cables and data cables used in multimedia devices, including functionality, safety, environmental adaptability, and mechanical durability. The reliability and environmental protection requirements are described, along with the corresponding test methods. This document applies to the design, manufacture, and inspection of charging cables and data cables for electronic devices in the fields of audio-visual, information technology, and communication technology equipment. Acceptance and storage.

2 Normative references

The contents of the following documents, through normative references within the text, constitute essential provisions of this document. Dated citations are not included. For references to documents, only the version corresponding to that date applies to this document; for undated references, the latest version (including all amendments) applies. This document.

GB/T 2423.1-2008 Environmental testing of electrical and electronic products - Part

3 Terms and Definitions

The terms and definitions defined in GB 4943.1-2022, as well as the following terms and definitions, apply to this document.

3.1 charging cable using for power A connecting cable used to connect electronic devices, capable of transmitting electrical energy, and equipped with corresponding interfaces.

3.2 Data cable using for data A connecting cable used to connect electronic devices, enabling data transmission, and equipped with corresponding interfaces.

16 Test Flame 50W - Horizontal and Vertical Flame Tests method

GB/T 5169.23 Fire Hazard Testing of Electrical and Electronic Products - Part

23. Test Flame for Polymer Tubular Materials 500W Vertical Direct flame test method

GB/T 18380.12 Burning Tests of Cables and Optical Fibers under Flame Conditions - Part

12. Single-Strand Insulated Wires and Cables with Vertical Flame Propagation Test 1kW Premixed Flame Test Method

GB/T 18380.13 Burning tests of cables and optical fibers under flame conditions - Part

13. Vertical flame test of single insulated wires and cables The propagation test is a test method for determining the dripping (material)/particles of combustion.

GB/T 18380.22 Burning Tests of Cables and Optical Wires under Flame Conditions - Part

22. Flame Tests of Single-Strand Insulated Fine Wires and Cables Direct propagation test diffusion flame test method

GB/T 26125 Determination of six restricted substances (lead, mercury, cadmium, hexavalent chromium, polybrominated biphenyls and polybrominated diphenyl ethers) in electronic and electrical products

GB 26572 Requirements for the Restriction of Hazardous Substances in Electrical and Electronic Products