

ICS 29.060.01

CCS K 13



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

GB/T 17650.3-2026

**Test on gases evolved during combustion of materials from
cables or optical fiber cables - Part 3: Measurement of low level
of halogen content by ion chromatography**

取自电缆或光缆的材料燃烧时释出气体的试验方法 第3部分：离子色谱法测定低
含量卤素

(English Translation)

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Table of Contents

Foreword

1 Scope

2 Normative references

3 Terms and definitions

Foreword

GB/T 17650.3-2026 is a recommended national standard (GB/T) of the People's Republic of China, issued on 28 September 2026 by the State Administration for Market Regulation and the Standardization Administration of China, with effect from 1 April 2027.

The document adopts an international standard (ISO or IEC).

It is under the responsibility of the China Electrical Equipment Industry Association.

Classification: ICS 29.060.01; CCS K 13.

1 Scope

When cable materials burn, they can release halogen-bearing gases, and this standard is concerned with measuring low levels of halogen content in those gases by ion chromatography. It is Part 3 of the series on tests on gases evolved during combustion of materials taken from cables or optical fibre cables. Readers will chiefly be materials laboratories, cable and compound manufacturers, quality managers and certification bodies that need to demonstrate low-halogen behaviour of insulation, sheathing and other cable components.

The method addresses analysis of the evolved gases rather than the cable design itself, so it is typically used alongside other fire-performance tests for wire and cable products. It adopts an international standard and is a recommended national standard prepared under the China Electrical Equipment Industry Association. It takes effect on 1 April 2027.