

**JB**

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

**JB/T 10696.6-2007**

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**Test methods for mechanical, physical and chemical properties  
of electric cables and wires - Part 6: Abrasion test of extruded  
oversheaths**

电线电缆机械和理化性能试验方法 第6部分：挤出外套刮磨试验

**(English Translation)**

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### 1 Scope

This part of GB/T 10696 specifies the test apparatus, preparation of test piece, test procedure, and evaluation of test results for the test for abrasion of oversheaths.

This part is applicable to testing the abrasion resistance of plastic sheaths of cables with an outer diameter of 30 mm or more.

This part shall be used in combination with JB/T 10696.1.

### 2 Normative references

The following normative documents contain provisions which, through reference in this text, constitute provisions of this part of JB/T 10696. For dated references, subsequent amendments (excluding corrections) to, or revisions of, any of these publications do not apply to this part. However, parties to agreements based on this part are encouraged to investigate the possibility of applying the most recent editions of the normative documents indicated below. For undated references, the latest edition of the normative document referred to applies.

JB/T 10696.1 Test methods for determining mechanical physical and chemical properties of electric cables and wires - Part 1: General

JB/T 10696.3 Test methods for determining mechanical physical and chemical properties of electric cables and wires - Part 3: Bending test

### 3 Test apparatus

The abrasion test apparatus is shown in Figure 1. The radius of curvature of the angle iron abrading head shall not be less than 1 mm and not more than 2 mm, and its stroke shall not be less than 600 mm. The abrasion speed shall be (150 ~ 300) mm/s.