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

GB/T 17737.324-2018

**Coaxial communication cables -- Part 1-324: Mechanical test
methods -- Test for abrasion resistance of cable**

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Foreword

GB/T 17737 "Coaxial Communication Cable" has or plans to issue the following parts.

- Part 1. General rules, definitions and requirements;
- Section 1-31 . Mechanical test methods ; Ellipticity test ;
- Part 1-302 . Mechanical test methods ; eccentricity test ;
- Part 1-304 . Mechanical test methods ; Impact test ;
- Part 1-108 . Mechanical test methods -- Tensile strength and elongation test of copper clad metal ;
- Part 1-310. Mechanical test methods Torsional characteristics of copper clad metal;
- Part 1-313. Mechanical test methods Adhesion of media and sheath;
- Part 1-314. Mechanical test methods Bending test of cables;
- Part 1-316. Mechanical test methods Maximum tensile strength test of cables;
- Part 1-317. Mechanical test methods Cable compression test;
- Sections 1-318. Mechanical test methods Thermal performance test;
- Part 1-324 . Mechanical test methods Cable abrasion resistance test ;
- Part 1-325 . Mechanical test methods Wind - induced vibration test ;

This section is Part 1-324 of GB/T 17737.

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

This section uses the translation method equivalent to the use of IEC 61196-1-324.2006
"coaxial communication cable part 1-324. mechanical test side

Cable abrasion resistance test."

The Chinese documents that have a consistent correspondence with the normatively quoted international documents in this section are as follows.

---GB/T 17737.1-2013 Coaxial telecommunication cables Part 1. General specifications General, definitions and requirements (IEC 61196-1. 2005, IDT).

1 Scope

This part of GB/T 17737 applies to coaxial communication cables. It specifies test methods for determining the wear resistance of coaxial communication cables.

2 Normative references

The following documents are indispensable for the application of this document. For dated references, only dated versions apply to this article

Pieces. For undated references, the latest version (including all amendments) applies to this document.

IEC 61196-1 Coaxial Communication Cables Part 1. Generic Specification General, Definitions and Requirements (Coaxialcommunicationcables-Part 1.Generic specification-General,definitionsandrequirements)

3 Terms and definitions

The terms and definitions defined by IEC 61196-1 apply to this document.

4.1 Principle

The purpose of this test was to evaluate the ability of the cable sheath to resist wear by scraping the jacket surface.

4.2 Test device

Scratch test device should meet the requirements detailed in Figure 1. It should include a device designed to scrape the surface of the sheath. The device can be

Move in both directions along the longitudinal axis of the cable. The distance to move should not be less than 10mm. The cycle frequency is 50 times/min to 60 times/min. One cycle

The ring is defined as the blade begins to move back to the starting position.

The test device shall be equipped with a counter to record the number of cycles until failure and shall be controlled so that the blade wears through the sheath and the outermost layer

The device stops when the conductor or shield contacts.

The blade should be made of hard tungsten carbide. The dimensions are shown in Figure

1. The weight applied to the blade should comply with the relevant cable specification.

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