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

GB/T 17737.314-2018

**Coaxial communication cables -- Part 1-314: Mechanical test
methods -- Test for cable bending**

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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 part is part 1-314 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 identical to the use of IEC 61196-1-314.2015 "Coaxial Communication Cables Part 1-314. Mechanical Test Methods

Bending 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).

This section made the following editorial changes.

--- Modified the standard name, the name "bending test" was changed to "cable bending test."

1 Scope

This part of GB/T 17737 applies to coaxial communication cables. It specifies the test method to determine the bending performance of the cable.

- bending around the rod (Chapter 4);
- Repeated bending (Chapter 5);
- Flexing (Chapter 6);
- Bending durability (Chapter 7);
- Tensile Bending (Dynamic Test) (Chapter 8);
- Stiffness (Chapter 9);
- Kink (Chapter 10).

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 60050 (all parts) International electrotechnical vocabulary

IEC 61196-1 Coaxial Communication Cables Part 1. Generic Specification General, Definitions and Requirements (Coaxialcommunicationca-

bles-Part 1.Generic specification-General,definitionsandrequirements)

EN 50289-3-1 Specification for test methods for telecommunication cables. Part 3-1.
General requirements for mechanical test methods (Communication
cables-Specificationsfortestmethods-Part
3-1.Mechanicaltestmethods-Generalrequirements)

3 Terms and definitions

The terms and definitions defined by IEC 60050 and IEC 61196-1 apply to this document.

4.1 Equipment

A single test bar device enables the sample to be tangentially wound around the test bar into a tight spiral.

4.2 Samples

Both ends of the specimen shall be terminated with a suitable connector.

4.3.1 Overview

The following two procedures (see 4.3.2 and 4.3.3) should be used as specified in the sub-models or detailed specifications.