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

GB/T 17737.313-2015

**Coaxial communication cables -- Part 1-313: Mechanical test
methods -- Adhesion of dielectric and sheath**

同轴通信电缆 第1-313部分：机械试验方法 介质和护套的附着力

(English Translation)

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Foreword

GB/T 17737 "Coaxial communication cables" Mechanical Test Methods section or plan to release the following sections.

- The first part 1-301. Mechanical test methods ovality test;
- - Part 1-302. Mechanical test methods eccentricity test;
- Section 1-304. Mechanical test methods for impact test;
- Section 1-308. Mechanical test methods for copper clad metal of tensile strength and elongation test;
- - Part 1-310. Mechanical test methods copper clad metal distortion performance test;
- Section 1-313. Mechanical test methods for medium and sheath adhesion;
- Section 1-314. Mechanical test methods for cable bending test;
- Part 1-316. Mechanical test methods for cables maximum tensile test;
- The first part 1-317. Mechanical test methods for cables compression testing;
- The first part 1-318. Mechanical test methods for thermal performance test;
- Section 1-324. Mechanical test methods for cables abrasion test;
- The first part 1-325. Mechanical test methods - Aeolian vibration test.

This section GB/T Part of 1-31317737.

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

This section uses the translation method is equivalent to using IEC 61196-1-313:2009 "Coaxial communication cables - Part 1-313. Mechanical test methods Medium and sheath

adhesion. " this part made the following editorial changes.

--- Edit "internal conductor medium" to "medium internal and external conductor" (see Chapter 1);

--- Edit "length" to "length (l)" (see Chapter 5, Chapter 6, Chapter 7);

--- Modify the cable each test site and marked the wrong perspective (Figure 1, Figure 2).

Please note that some content of this document may involve patents, the issuing authority of this document does not assume responsibility for the identification of these patents.

This part is proposed by the Ministry of Industry and Information Technology of the People's Republic of China.

This section is under the jurisdiction of the National electronic equipment with a high-frequency cables and connectors Standardization Technical Committee (SAC/TC190).

This section drafted by. China Electronics Technology Group Corporation No. 23 Research Institute.

1 Scope

GB/T 17737 in this section applies to coaxial communications cables, coaxial cable media provides internal and outer conductor and outer conductor sheath Adhesion Test Method.

2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated version suitable for use herein Member. For undated references, the latest edition (including any amendments) applies to this document.

GB/T 17737.1-2013 Coaxial communication cables - Part 1. Generic specification - General, definitions and requirements (IEC 61196-1:2005, IDT)

3 Terms and Definitions

Definitions GB/T 17737.1-2013 given apply to this document.

Test Method 4

4.1 Sample Preparation

Unless otherwise specified in the relevant cable, should the finished cable respectively intercept at least two samples of not less than 300mm in length. each

Figure 1 root samples should be prepared. Stripping head should be very careful so as not to affect the adhesion of the sample.

Rally test should be applied to that part of the two parts of smaller diameter, the portion should be long enough can be tensile testing machine Collet clamping.

4.2 Program

Specimens shall be as shown in Figure 2, into the tensile testing machine and test fixture. Diameter orifice plate test should be higher than the test sites in both diameter A small portion of a large $0.10\text{mm} \pm 0.03\text{mm}$.

Tension should not exceed 100mm/min is applied to the speed and stability, according to the different parts of the test until the dielectric, the outer conductor or sheath Completely removed. Avoid sudden pull and yank. Physical treatment of the sample should be as little as possible, so as not to damage the sample.

4.3 The results are shown Defined as the maximum adhesion tension measured. Test report adhesion value should measurements median.

5 Requirements

Length (l) and adhesion values should comply with the relevant cable specification.

Conductor surface may leave a small presence of insulating material residue.