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

GB/T 17737.200-2018

**Coaxial communication cables -- Part 1-200: Environmental test
methods -- General requirements**

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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 1-200. General requirements for environmental test methods;
- Part 1-201. Environmental test methods Cold bending test of cables;
- Part 1-202 . Environmental test methods resistance to environmental stress cracking ;
- Part 1-203 . Environmental test methods Water seepage test for electrical cables ;
- Part 1-205. Environmental test methods Solvent resistance and contamination test;
- Part 1-206 . Environmental test methods ; Climate sequence ;
- Part 1-208 . Environmental test methods Longitudinal pressure resistance ;
- Section 1-209. Environmental Test Methods Thermal Cycle;

This part is Part 1-200 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 61196-1-200.2014 "coaxial communication cable Part 1-200. environmental test methods

common enquiries".

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 gives the general requirements and conditions for environmental testing of coaxial communication cables. This part applies to

GB/T 17737.2XX series of standards, this series of standards specifies the environmental test methods for coaxial communication cables.

Test details (eg, temperature, duration) and/or test requirements will be given in the relevant cable standards.

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 cable Part 1. General specification General rules, definitions and requirements (Coaxialcommunication

cables-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 Tested cable (CUT)

Unless otherwise specified in the relevant test methods, the length of the cable to be tested shall take into account the dynamic range of the measuring equipment and the specified frequency range.

To obtain the required measurement accuracy. Unless otherwise specified in the relevant cable specification, the measurement accuracy of the cable length shall be better than 1%.

4.2 Pretreatment

The cable under test shall be preconditioned at a constant ambient temperature for a period of time to stabilize the temperature of the sample within the temperature range specified in

6.1.

5 Test

The test and performance characteristics required for different sizes of cables are specified by the relevant cable specification.

6.1 Environmental conditions

Unless otherwise specified, the test should be conducted in the following environment.

---Temperature. 15°C~35°C;

--- Relative humidity. 25%~75% (no condensation);