

ICS 33.120.10

CCS L 26



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

GB/T 17737.308-2018

**Coaxial communication cables -- Part 1-308: Mechanical test
methods -- Test for tensile strength and elongation for
copper-clad metals**

Issued on: March 15, 2018

Implemented on: October 1, 2018

**Issued by: State Administration for Market Regulation, China National
Standardization Administration**

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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 1-308 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 61196-1-308.2012 "Coaxial Communication Cables Part 1-308. Mechanical Performance Tests

Methods Copper Clad Metal Tensile Strength and Elongation 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 stipulates the determination of the annealed and deadlift for the inner conductor of the coaxial cable

Standard Test Method for Tensile Strength and Elongation at Break of Single Copper Clad Metals .

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 (Coaxialcommunicationca-

bles-Part 1.GenericSpecification-General,definitionsandrequirements)

3 Terms and definitions

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

3.1

Gauge gaugelength

Used to measure the mark length of the extended test section.

3.1.1

Original gauge length originalgaugelength

Lo

The gauge length before applying force.

3.1.2

Gauge gaugelengthatfracture at break

Lt

The gauge length at which the specimen breaks.

3.2

Tensile strength tensile strength

R_m

The corresponding maximum force (F_m) stress.

3.3

Maximum force maximum force

F_m

The maximum force the test section can withstand when it reaches the yield point. For materials without yield point, it is the maximum value during the test.