

Translated English of Chinese Standard: GB/T17737.104-2018

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GB/T 17737.104-2018 / IEC 61196-1-104:2015

Coaxial Communication Cables
– Part 1-104: Electrical Test Methods
– Test for Capacitance Stability of Cable

(IEC 61196-1-104:2015, Coaxial Communication Cables – Part 1-104:
Electrical Test Methods – Test for the Stability of the Capacitance of Cable
Versus Temperature, IDT)

同轴通信电缆 第 1-104 部分:

电气试验方法 电缆的电容稳定性试验

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Foreword

GB/T 17737 *Coaxial Communication Cables* has been or plans to issue the following parts:

- Part 1: Generic Specification – General, Definitions, Requirements and Test Methods;
- Part 1-100: Electrical Test Methods – General Requirements;
- Part 1-101: Electrical Test Methods – Test for Conductor D.C. Resistance Cable;
- Part 1-102: Electrical Test Methods – Test for Insulation Resistance of Cable Dielectric;
- Part 1-103: Electrical Test Methods – Test for Capacitance of Cable;
- Part 1-104: Electrical Test Methods – Test for Capacitance Stability of Cable;
- Part 1-105: Electrical Test Methods – Test for Withstand Voltage of Cable Dielectric;
- Part 1-106: Electrical Test Methods – Test for Withstand Voltage of Cable Sheath;
- Part 1-107: Electrical Test Methods – Test for Cable Microphony Charge Level (Mechanical Induced Noise);
- Part 1-108: Electrical Test Methods – Test for Characteristics Impedance, Phase and Group Delay, Electrical Length and Propagation Velocity;
- Part 1-110: Electrical Test Methods – Continuity;
- Part 1-111: Electrical Test Methods – Phase Constant Stability Test;
- Part 1-112: Electrical Test Methods – Test for Return Loss (Uniformity of Impedance);
- Part 1-113: Electrical Test Methods – Attenuation Constant Test;
- Part 1-114: Electrical Test Methods – Inductance;
- Part 1-115: Electrical Test Methods – Test for Regularity of Impedance (Pulse/Step Function Return Loss);
- Part 1-116: Electrical Test Methods – Measuring Characteristic Impedance by TDR Method;

Coaxial Communication Cables

– Part 1-104: Electrical Test Methods

– Test for Capacitance Stability of Cable

1 Scope

This Part of GB/T 17737 is applicable to the coaxial communication cables. It specifies the test methods determine the stability of capacitance when cable undergoes the temperature change.

2 Normative References

The following documents are essential to the application of this document. For the dated documents, only the versions with the dates indicated are applicable to this document; for the undated documents, only the latest version (including all the amendments) are applicable to this document.

IEC 60050 (all parts) International Electrotechnical Vocabulary

IEC 61196-1 Coaxial Communication Cables – Part 1: Generic Specification – General, Definitions and Requirements

IEC 61196-1-103 Coaxial Communication Cables – Part 1-103: Electrical Test Methods – Test for Capacitance of Cable

3 Terms and Definitions

The terms and definitions stipulated in IEC 60050 and IEC 61196-1 are applicable to this document.

4 Test Methods

4.1 Equipment

The thermostat with its size and specification can meet the requirements of this test.

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