

# INTERNATIONAL STANDARD

Coaxial communication cables –  
Part 1-110: Electrical test methods – Test for continuity  
**INTERNATIONAL STANDARD PREVIEW**  
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IEC 61196-1-110:2016

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INTERNATIONAL  
ELECTROTECHNICAL  
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## INTERNATIONAL ELECTROTECHNICAL COMMISSION

## COAXIAL COMMUNICATION CABLES –

## Part 1-110: Electrical test methods – Test for continuity

## FOREWORD

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International Standard IEC 61196-1-110 has been prepared by subcommittee 46A: Coaxial cables, of IEC technical committee 46: Cables, wires, waveguides, R.F. connectors, R.F. and microwave passive components and accessories.

The text of this standard is based on the following documents:

FDIS	Report on voting
46A/1282/FDIS	46A/1293/RVD

Full information on the voting for the approval of this standard can be found in the report on voting indicated in the above table.

This publication has been drafted in accordance with the ISO/IEC Directives, Part 2.

It is intended to be read in conjunction with IEC 61196-1:2005.

A list of all the parts in the IEC 61196 series published under the general title *Coaxial communication cables* can be found on the IEC website.

The committee has decided that the contents of this publication will remain unchanged until the stability date indicated on the IEC web site under "<http://webstore.iec.ch>" in the data related to the specific publication. At this date, the publication will be

- reconfirmed,
- withdrawn,
- replaced by a revised edition, or
- amended.

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## COAXIAL COMMUNICATION CABLES –

### Part 1-110: Electrical test methods – Test for continuity

#### 1 Scope

This part of IEC 61196 specifies the test for electrical continuity of coaxial cables used in analogue and digital communication systems.

#### 2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

IEC 61196-1:2005, *Coaxial communication cables – Part 1: Generic specification – General, definitions and requirements*

#### 3 Terms and definitions

For the purposes of this document, the terms and definitions given in IEC 61196-1 apply.

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#### 4 Procedure

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The continuity of conductors (inner and outer) shall be measured at a voltage suitable to operate the equipment but not exceeding the voltage rating of the cable under test.

Sequentially, the inner conductor, then the outer conductor, is connected to a DC source at one end and to a buzzer, bell, lamp or other indicator at the other end. Alternatively an ohmmeter may be used.

The conductor is continuous when the buzzer or bell sounds, the lamp lights, or another indicator signal is activated.

Each length of each conductor of the finished cable shall be measured.

#### 5 Test report

The test report shall include the following:

- method used,
- test voltage,
- result (passed or failed).

## 6 Requirements

There shall be no discontinuity of the conductors.

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