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Coaxial communication cables -
Part 1-114: Electrical test methods - Test for inductance

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Coaxial communication cables - Part 1-114: Electrical test methods - Test for inductance

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IEC 61196-1-114 has been prepared by subcommittee 46A: Coaxial cables, of IEC technical committee 46: Cables, wires, waveguides, RF connectors, RF and microwave passive components and accessories. It is an International Standard.

This second edition cancels and replaces the first edition published in 2015. This edition constitutes a technical revision.

This edition includes the following significant technical changes with respect to the previous edition:

a) the term "inductance" has been revised;
b) the necessary abbreviated term is added;
c) the length and layout of the test sample have been revised;
d) the measuring procedure has been revised;
e) the additional information for the bending effect on coaxial cable inductance test is provided in Annex A.

The text of this International Standard is based on the following documents:

Draft	Report on voting
46A/1735/FDIS	46A/1737/RVD

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

The language used for the development of this International Standard is English.

This document was drafted in accordance with ISO/IEC Directives, Part 2, and developed in accordance with ISO/IEC Directives, Part 1 and ISO/IEC Directives, IEC Supplement, available at www.iec.ch/members_experts/refdocs. The main document types developed by IEC are described in greater detail at www.iec.ch/publications.

A list of all parts in the IEC 61290 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 document will remain unchanged until the stability date indicated on the IEC website under webstore.iec.ch in the data related to the specific document. At this date, the document will be

– reconfirmed,
– withdrawn, or
– revised.

1 Scope

This part of IEC 61196 specifies a test method to determine the inductance characteristics of coaxial ~~cables used in analogue and digital~~ communication ~~systems~~ cables.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. 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, *Coaxial communication cables - Part 1: Generic specification - General, definitions and requirements*

IEC 61196-1-101, *Coaxial communication cables - Part 1-101: Electrical test methods - Test for conductor DC resistance of cable*