IEC 61196-1-105

Edition 2.0 2024-06
REDLINE VERSION

INTERNATIONAL STANDARD

colour inside

Coaxial communication cables –
Part 1-105: Electrical test methods – Test for withstand voltage of cable dielectric

INTERNATIONAL
ELECTROTECHNICAL
COMMISSION

ICS 33.120.10

ISBN 978-2-8322-9244-0

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CONTENTS

FOREWORD 3
1 Scope 5
2 Normative references 5
3 Terms and definitions 5
4 Test for withstand voltage of dielectric 5
4.1 Principle 5
4.2 Test equipment 5
4.3 Preparation of the test specimen 6
4.4 Test procedure 6
5 Test report 6
6 Requirements 6
Annex A (normative) Test procedures for the cables with special structure 7
A.1 Armoured cables and cables with intermediate sheaths 7
A.1.1 Armoured cables 7
A.1.2 Cables with intermediate sheaths 7
A.2 Balanced cables 7
A.2.1 Multicore and symmetrical cables 7
A.2.2 Twinax cables 7
A.3 Multi-conductor or hybrid cables 7
Bibliography 8

INTERNATIONAL ELECTROTECHNICAL COMMISSION

_____

COAXIAL COMMUNICATION CABLES –

Part 1-105: Electrical test methods – Test for withstand voltage of cable dielectric

FOREWORD

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This redline version of the official IEC Standard allows the user to identify the changes made to the previous edition IEC 61196-1-105:2005. A vertical bar appears in the margin wherever a change has been made. Additions are in green text, deletions are in strikethrough red text.

IEC 61196-1-105 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. It is an International Standard.

This second edition cancels and replaces the first edition published in 2005. This edition constitutes a technical revision.

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

a) The scope provides indication on the specific area concerned.
b) The test equipment is updated.
c) The rate of increase of the test voltage has been changed.
d) The leakage current has been taken into consideration in the test report and requirements.
e) The test procedures for the cables with special structure are specified in Annex A.

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

Draft	Report on voting
46A/1659/CDV	46A/1676/RVC

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 61196 series, published under the general title *Coaxial communication cables*, can be found on the IEC website.

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COAXIAL COMMUNICATION CABLES –

Part 1-105: Electrical test methods – Test for withstand voltage of cable dielectric

1 Scope

This part of IEC 61196 applies to coaxial communication cables. It specifies test methods for determining the withstand voltage of the dielectric of coaxial cables. It is intended to detect the flaws in the dielectric of finished coaxial cables.

The test procedures for the cables with special structure are specified in Annex A.

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

IEC 61196-1-105

Edition 2.0 2024-06

INTERNATIONAL STANDARD

Coaxial communication cables – Part 1-105: Electrical test methods – Test for withstand voltage of cable dielectric



IEC 61196-1-105:2024-06(en)

CONTENTS

FOREWORD 3
1 Scope 5
2 Normative references 5
3 Terms and definitions 5
4 Test for withstand voltage of dielectric 5
4.1 Principle 5
4.2 Test equipment 5
4.3 Preparation of the test specimen 6
4.4 Test procedure 6
5 Test report 6
6 Requirements 6
Annex A (normative) Test procedures for the cables with special structure 7
A.1 Armoured cables and cables with intermediate sheaths 7
A.1.1 Armoured cables 7
A.1.2 Cables with intermediate sheaths 7
A.2 Balanced cables 7
A.2.1 Multicore and symmetrical cables 7
A.2.2 Twinax cables 7
A.3 Multi-conductor or hybrid cables 7
Bibliography 8

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Part 1-105: Electrical test methods – Test for withstand voltage of cable dielectric

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