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INTERNATIONAL STANDARD

**Coaxial communication cables –
Part 1-305: Mechanical test methods – Solderability and resistance to soldering**

INTERNATIONAL
ELECTROTECHNICAL
COMMISSION

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CONTENTS

FOREWORD	3
1 Scope	5
2 Normative references	5
3 Terms and definitions	5
4 Solderability	5
4.1 Procedure	5
4.2 Test report	5
4.3 Requirements	5
5 Resistance to soldering	6
5.1 Procedure	6
5.2 Test report	6
5.3 Requirements	6

INTERNATIONAL ELECTROTECHNICAL COMMISSION

COAXIAL COMMUNICATION CABLES –

**Part 1-305: Mechanical test methods –
Solderability and resistance to soldering**

FOREWORD

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International Standard IEC 61196-1-305 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/1261A/FDIS	46A/1266/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 standard is intended to be read in conjunction with IEC 61196-1. It is based on the second edition (2005) of that standard.

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

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- withdrawn,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.

A bilingual version of this publication may be issued at a later date.

COAXIAL COMMUNICATION CABLES –

Part 1-305: Mechanical test methods – Solderability and resistance to soldering

1 Scope

This part of IEC 61196 applies to coaxial communication cables. It specifies the test methods to determine solderability and the resistance to soldering of inner and outer conductors of cables used in analogue and digital communication systems. Resistance to soldering details the test method to determine the dimensional stability of cable components after soldering.

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

IEC 60068-2-20, *Environmental testing – Part 2-20: Tests – Test T: Test methods for solderability and resistance to soldering heat of devices with leads*