



IEC 61196-1-119

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# INTERNATIONAL STANDARD



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**Coaxial communication cables –  
Part 1-119: Electrical test methods – RF power for coaxial cables and cable  
assemblies**

INTERNATIONAL  
ELECTROTECHNICAL  
COMMISSION

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**COAXIAL COMMUNICATION CABLES –****Part 1-119: Electrical test methods –  
RF power for coaxial cables and cable assemblies**

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IEC 61196-1-119 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 third edition cancels and replaces the second edition published in 2020. This edition constitutes a technical revision.

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

- a) complete technical revision;
- b) extension to measure also cable assemblies.

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

Draft	Report on voting
46A/1622/CDV	46A/1629/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](http://www.iec.ch/members_experts/refdocs). The main document types developed by IEC are described in greater detail at [www.iec.ch/publications](http://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.

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](http://webstore.iec.ch) in the data related to the specific document. At this date, the document will be

- reconfirmed,
- withdrawn,
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- amended.

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**COAXIAL COMMUNICATION CABLES –**  
**Part 1-119: Electrical test methods –**  
**RF power for coaxial cables and cable assemblies**

## **1 Scope**

This part of IEC 61196 provides test methods for RF power rating and power withstanding of RF coaxial cables and cable assemblies at specified frequency, temperature and altitude.

This document is applicable to RF coaxial cables and cable assemblies.

## **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 61196-1-113, *Coaxial communication cables – Part 1-113: Electrical test methods – Test for attenuation constant*