

# INTERNATIONAL STANDARD

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**Coaxial communication cables –  
Part 10-1: Blank detail specification for semi-rigid cables with fluoropolymer  
dielectric**

INTERNATIONAL  
ELECTROTECHNICAL  
COMMISSION

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## INTERNATIONAL ELECTROTECHNICAL COMMISSION

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COAXIAL COMMUNICATION CABLES –**Part 10-1: Blank detail specification for semi-rigid cables  
with fluoropolymer dielectric**

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IEC 61196-10-1 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 2014. This edition constitutes a technical revision.

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

- a) Title was changed to: Blank detail specification for semi-rigid cables with fluoropolymer dielectric.
- b) Further changes in accordance with IEC 61196-10.

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

Draft	Report on voting
46A/1600/FDIS	46A/1607/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 International Standard is to be used in conjunction with IEC 61196-1:2005 and IEC 61196-10:2022.

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.

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).

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- withdrawn,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

## **COAXIAL COMMUNICATION CABLES –**

### **Part 10-1: Blank detail specification for semi-rigid cables with fluoropolymer dielectric**

#### **1 Scope**

This part of IEC 61196 applies to coaxial communication cables described in IEC 61196-10, which specifies the requirements of semi-rigid coaxial communication cables with fluoropolymer dielectric and tubular outer conductors. Semi-rigid coaxial communication cables with fluoropolymer dielectric are widely used in mobile communication systems, microwave test equipment, radar, aerospace, electronic countermeasures and other fields.

This part of IEC 61196 is used in conjunction with IEC 61196-1 and IEC 61196-10, which determines the layout and style for detail specifications, based on the blank detail specification, that can be prepared by a national organization, a manufacturer, or a user.

#### **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 61196-10:2022, *Coaxial communication cables – Part 10: Sectional specification for semi-rigid cables with fluoropolymer dielectric*

IEC 61169-4, *Radio-frequency connectors – Part 4: RF coaxial connectors with inner diameter of outer conductor 16 mm (0,63 in) with screw lock-Characteristic impedance 50  $\Omega$  (type 7-16)*