IEC 61196-10

Edition 2.0 2022-11

INTERNATIONAL STANDARD

Coaxial communication cables – Part 10: Sectional specification for semi-rigid cables with fluoropolymer dielectric

IEC 61196-10:2022-11(en)

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

ICS 33.120.10

ISBN 978-2-8322-6019-7

CONTENTS

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COAXIAL COMMUNICATION CABLES –

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FOREWORD

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IEC 61196-10 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: Sectional specification for semi-rigid cables with fluoropolymer dielectric
b) 4.3, Dielectric: other fluoropolymer materials (such as FEP, PFA) were added
c) Table 1 – Distinguishing number was added
d) Table 2 – Rated temperature was added

e) New requirements were added as below:
   8.2.13, Phase stability vs temperature
   8.2.14, Phase stability vs bending (for cable with corrugated tube outer conductor)
   8.2.15, Corona voltage
   8.2.16, RF power
   8.2.18, Screening attenuation
   8.3.5, Thermal shock
   8.3.6, Ultraviolet stability of the sheath
   8.4.8, Tensile strength of cable (longitudinal pull)
   8.5, Fire performance requirements (applicable to the cable with sheath)
   8.5.1, Flame propagation
   8.5.2, Halogen acid gas emission
   8.5.3, Toxic gas emission
   8.5.4, Smoke density
f) 7.4.8, Thermal cycling was deleted
g) Annex A: Performance requirements of typical cables was added
h) Annex B: Requirements for thermal shock was added

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

Draft	Report on voting
46A/1601/FDIS	46A/1606/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.

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. The main document types developed by IEC are described in greater detail at www.iec.ch/publications.

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