

Coaxial communication cables —

Part 4: Sectional specification for radiating cables

The European Standard EN 61196-4:2004 has the status of a
British Standard

ICS 33.120.10

National foreword

This British Standard is the official English language version of EN 61196-4:2004. It is identical with IEC 61196-4:2004.

The UK participation in its preparation was entrusted by Technical Committee EPL/46, Cables, wires and waveguides, R.F. connectors and accessories for communication and signalling, to Subcommittee EPL/46/1, Communication cables, which has the responsibility to:

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- monitor related international and European developments and promulgate them in the UK.

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Cross-references

The British Standards which implement international or European publications referred to in this document may be found in the *BSI Catalogue* under the section entitled “International Standards Correspondence Index”, or by using the “Search” facility of the *BSI Electronic Catalogue* or of British Standards Online.

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Coaxial communication cables
Part 4: Sectional specification for radiating cables
(IEC 61196-4:2004)

Câbles coaxiaux de communication
Partie 4: Spécification intermédiaire
pour câbles rayonnants
(CEI 61196-4:2004)

Koaxiale Kommunikationskabel
Teil 4: Rahmenspezifikation
für abstrahlende Kabel
(IEC 61196-4:2004)

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Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CENELEC member.

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CENELEC

European Committee for Electrotechnical Standardization
Comité Européen de Normalisation Electrotechnique
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Foreword

The text of document 46A/582/FDIS, future edition 2 of IEC 61196-4, prepared by SC 46A, Coaxial cables, of IEC TC 46, Cables, wires, waveguides, r.f. connectors, r.f. and microwave passive components and accessories, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as EN 61196-4 on 2004-03-01.

This standard is to be used in conjunction with EN 61196-1.

The following dates were fixed:

- latest date by which the EN has to be implemented
at national level by publication of an identical
national standard or by endorsement (dop) 2004-12-01
- latest date by which the national standards conflicting
with the EN have to be withdrawn (dow) 2007-03-01

Annex ZA has been added by CENELEC.

Endorsement notice

The text of the International Standard IEC 61196-4:2004 was approved by CENELEC as a European Standard without any modification.

CONTENTS

1	Scope	4
2	Normative references	4
3	Terms and definitions	5
4	Preferred ratings and characteristics	5
4.1	Classes	5
4.2	Characteristic impedance	5
5	Marking	5
6	Test and measurement procedures and conditions	5
6.1	Standard atmospheric conditions of testing	5
6.2	Methods of measurement	5
6.3	Physical	6
7	Information to be included in detail specification	6
8	Packaging	6
Annex A (normative) Attenuation constant		7
A.1	Procedure	7
A.2	Measurement (see Figures A.1 and A.2)	7
A.3	Evaluation	7
A.4	Requirement	8
Annex B (normative) Coupling loss		11
B.1	Procedure	11
B.2	Measurement (see Figures B.3 and B.4)	12
B.3	Evaluation	12
B.4	Requirement	13
Annex C (normative) Procedures for quality matters		16
Annex ZA (normative) Normative references to international publications with their corresponding European publications		17
Figure A.1 – Attenuation constant with ground-level method		9
Figure A.2 – Attenuation constant with free-space method		10
Figure B.1 – Antenna orientations with ground-level method		11
Figure B.2 – Antenna orientations with free-space method		12
Figure B.3 – Coupling loss with ground-level method		14
Figure B.4 – Coupling loss with free-space method		15

COAXIAL COMMUNICATION CABLES –

Part 4: Sectional specification for radiating cables

1 Scope

This part of IEC 61196 covers the requirements for flexible and semi-flexible radiating coaxial communication cables. It specifies preferred ratings and characteristics for radiating cables and enables selection of the appropriate tests and performance levels from the generic specification for inclusion in the detail specification.

NOTE The coupling intensity between cable and mobile equipment depends on

- construction of the cable;
- orientation of antenna;
- distance of the mobile antenna from the cable;
- type of antenna;
- nature of ambient atmosphere;
- operating frequency range;
- manner of installation of the cable;
- shape, material and size of surrounding buildings.

2 Normative references

The following referenced documents are indispensable for the application 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 60068, *Environmental testing*

IEC 60332 (all parts), *Tests on electric cables under fire conditions*

IEC 60754 (all parts), *Test on gases evolved during combustion of materials from cables*

IEC 61034 (all parts), *Measurement of smoke density of electric cables burning under defined conditions*

IEC 61196-1:1995, *Radio-frequency cables – Part 1: Generic specification – General, definitions, requirements and test methods*
Amendment 1 (1999)