



Irish Standard  
I.S. EN 60966-2-3:2009

Radio frequency and coaxial cable  
assemblies -- Part 2-3: Detail  
specification for flexible coaxial  
cable assemblies - Frequency range  
0 MHz to 1 000 MHz, IEC 61169-8  
connectors (IEC 60966-2-3:2009  
(EQV))

## I.S. EN 60966-2-3:2009

*Incorporating amendments/corrigenda issued since publication:*

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EUROPEAN STANDARD  
NORME EUROPÉENNE  
EUROPÄISCHE NORM

**EN 60966-2-3**

August 2009

ICS 33.120.10

Supersedes EN 60966-2-3:2003

English version

**Radio frequency and coaxial cable assemblies -  
Part 2-3: Detail specification for flexible coaxial cable assemblies -  
Frequency range 0 MHz to 1 000 MHz, IEC 61169-8 connectors  
(IEC 60966-2-3:2009)**

Ensembles de cordons coaxiaux  
et de cordons pour  
fréquences radioélectriques -  
Partie 2-3: Spécification particulière  
pour cordons coaxiaux souples -  
Bande de fréquences  
de 0 MHz à 1 000 MHz,  
connecteurs CEI 61169-8  
(CEI 60966-2-3:2009)

Konfektionierte Koaxial- und  
Hochfrequenzkabel -  
Teil 2-3: Bauartspezifikation  
für flexible konfektionierte Koaxialkabel -  
Frequenzbereich 0 MHz bis 1000 MHz,  
Steckverbinder nach IEC 61169-8  
(IEC 60966-2-3:2009)

This European Standard was approved by CENELEC on 2009-07-01. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

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.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CENELEC member into its own language and notified to the Central Secretariat has the same status as the official versions.

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**CENELEC**

European Committee for Electrotechnical Standardization  
Comité Européen de Normalisation Electrotechnique  
Europäisches Komitee für Elektrotechnische Normung

**Central Secretariat: Avenue Marnix 17, B - 1000 Brussels**

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**Foreword**

The text of document 46/302/FDIS, future edition 3 of IEC 60966-2-3, prepared by 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 60966-2-3 on 2009-07-01.

This European Standard supersedes EN 60966-2-3:2003.

The major change with respect to EN 60966-2-3:2003 is the reference to EN 61169-8 instead of EN 60169-8.

This detail specification is to be read in conjunction with EN 60966-1:1999, with EN 60966-2-1:2009, and with EN 60966-2-2:2003.

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) | 2010-04-01 |
| – latest date by which the national standards conflicting with the EN have to be withdrawn                                               | (dow) | 2012-07-01 |

Annex ZA has been added by CENELEC.

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**Endorsement notice**

The text of the International Standard IEC 60966-2-3:2009 was approved by CENELEC as a European Standard without any modification.

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## Annex ZA (normative)

### Reference documents with their corresponding European publications

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.

NOTE When an international publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60966-1	1999	Radio frequency and coaxial cable assemblies - Part 1: Generic specification - General requirements and test methods	EN 60966-1	1999
IEC 60966-2-1	2008	Radio frequency and coaxial cable assemblies - Part 2-1: Sectional specification for flexible coaxial cable assemblies	EN 60966-2-1	2009
IEC 60966-2-2	2003	Radio frequency and coaxial cable assemblies - Part 2-2: Blank detail specification for flexible coaxial cable assemblies	EN 60966-2-2	2003
IEC 61169-8	- <sup>1)</sup>	Radio-frequency connectors - Part 8: Sectional specification - RF coaxial connectors with inner diameter of outer conductor 6,5 mm (0,256 in) with bayonet lock - Characteristics impedance 50 ohms (type BNC)	EN 61169-8	2007 <sup>2)</sup>
IEC 61196-6	- <sup>1)</sup>	Coaxial communication cables - Part 6: Sectional specification for CATV drop cables	-	-

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<sup>1)</sup> Undated reference.

<sup>2)</sup> Valid edition at date of issue.

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## INTERNATIONAL ELECTROTECHNICAL COMMISSION

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### **RADIO FREQUENCY AND COAXIAL CABLE ASSEMBLIES –**

#### **Part 2-3: Detail specification for flexible coaxial cable assemblies – Frequency range 0 MHz to 1 000 MHz, IEC 61169-8 connectors**

### FOREWORD

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International Standard IEC 60966-2-3 has been prepared by IEC technical committee 46: Cables, wires, waveguides, R.F. connectors, R.F. and microwave passive components and accessories.

This third edition cancels and replaces the second edition published in 2003. It constitutes a technical revision.

The major change with respect to the second edition is the reference to IEC 61169-8 instead of IEC 60169-8.

**I.S. EN 60966-2-3:2009**

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The text of this standard is based on the following documents:

FDIS	Report on voting
46/302/FDIS	46/314/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 detail specification is to be read in conjunction with IEC 60966-1:1999, with IEC 60966-2-1:2008, and with IEC 60966-2-2:2003.

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

A list of all parts of the IEC 60966 series, under the general title: *Radio frequency and coaxial cable assemblies*, can be found on the IEC website.

The committee has decided that the contents of this publication will remain unchanged until the maintenance result 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.



## INTRODUCTION

This part of IEC 60966 is a detail specification that applies to flexible coaxial cables described in IEC 60096-2. It relates to flexible coaxial cable assemblies using BNC connectors.

This detail specification gives subfamily requirements and severities which shall be applied .

Under qualification approval, the qualification will be conducted in accordance with 12.2 of IEC 60966-2-1 taking into account the specified variants. Only the tests whose results might depend on the variants will be repeated.

Under capability approval, the qualification will be conducted on the relating CQCs as defined in 12.3 of IEC 60966-2-1 and described in the CM. Unless otherwise specified in the CM, only lot-by-lot tests from groups Ba and Eb will be conducted on delivered products, all other tests will be performed on CQCs as defined in 12.3 of IEC 60966-2-1 and described in the CM.

### Reference documents

IEC 60966-1:1999, *Radio frequency and coaxial cable assemblies – Part 1: Generic specification – General requirements and test methods*

IEC 60966-2-1:2008, *Radio frequency and coaxial cable assemblies – Part 2-1: Sectional specification for flexible coaxial cable assemblies*

IEC 60966-2-2:2003, *Radio frequency and coaxial cable assemblies – Part 2-2: Blank detail specification for flexible coaxial cable assemblies*

IEC 61169-8, *Radio-frequency connectors – Part 8: Sectional specification – RF coaxial connectors with inner diameter of outer conductor 6,5 mm (0,256 in) with bayonet lock – Characteristic impedance 50 ohm (type BNC)*

IEC 61196-6, *Coaxial communication cables – Part 6: Sectional specification for CATV drop cables*

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