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INTERNATIONAL STANDARD





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Radio frequency and coaxial cable assemblies

Part 3-1: Blank detail specification for semi-flexible coaxial cable assemblies



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International Standard IEC 60966-3-1 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 and constitutes a technical revision.

The major change with respect to the first edition is the reference to the third edition of the sectional specification.

This blank detail specification is to be read in conjunction with the second edition of IEC 60966-1 (1999) and with the third edition of IEC 60966-3 (2008).

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

FDIS	Report on voting
46/306/FDIS	46/318/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 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- withdrawn,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.

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INTRODUCTION

This part of IEC 60966 is a blank detail specification that relates to semi-flexible coaxial cable assemblies operating in the transverse electromagnetic mode (TEM).

The creation of a uniform layout and style of a detail specification is determined by the use of a blank detail specification pro forma. The detail specification may be prepared by the insertion of data into the pro forma by a national standards organization, by an approved manufacturer or by a user (when prepared by a user, the detail specification shall be submitted to the national authorized institution by an approved manufacturer).

Instructions to complete a blank detail specification:

Detail specifications should, as far as possible, be written in accordance with the pro forma which has:

- a front page with a general description and a drawing or isometric sketch of the cable assembly and its possible variants;
- ratings, characteristics and inspection requirements (those which are not required or specified shall be omitted).

Under quality assessment, tests are divided into groups. Whenever possible, entire groups are either specified or omitted.

These groups are:

Ва	(basic)	Visual and dimensional tests
Eb	(electrical basic)	Low-frequency operational tests
Eh	(electrical high frequency)	High-frequency tests
Ер	(electrical phase)	Electrical length tests
Ee	(electrical screening effectiveness)	Screening effectiveness tests
Ez	(electrical impedance Z)	Impedance uniformity tests
https://Eta	(electrical transmission)	Power rating test -294daebfe909/iec-60966-3-1-2009
Mr	(mechanical)	Mechanical tests
Vc	(environmental climatic)	Climatic tests
Vv	(environmental vibration)	Vibration, bumps and shock tests
Vt	(environmental temperature)	Humidity, rapid change of temperature and
		chemical tests
Vf	(environmental flammability)	Flammability, dust and water immersion tests