

BUREAU OF INDIAN STANDARDS

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मसौदा भारतीय मानक
समाक्ष संचार केबल भाग 1 परीक्षण विधियाँ
अनुभाग 104 विद्युत – तापमान बनाम केबल की
धारिता की स्थिरता के लिए परीक्षण
(पहला पुनरीक्षण)

Draft Indian Standard
Coaxial communication cables –
Part 1 Test methods
Sec 104 Electrical – Test for the stability
of the capacitance of cable versus temperature
(First Revision)

ICS 33.120.10

Wires, Cables, Waveguides & Accessories
Sectional Committee, LITD 06

Last Date for Comments:
01st November 2023

NATIONAL FOREWORD

(Formal clauses will be added later)

This draft Indian Standard (Part 1/ Sec 104) (*First Revision*) which is identical with IEC 61196-1-104: 2015 'Coaxial communication cables –Part 6-1 Blank detail specification for CATV drop cables Part 1-104: Electrical test methods – Test for the stability of the capacitance of cable versus temperature' issued by the International Electrotechnical Commission (IEC) will be adopted by the Bureau of Indian Standards on the recommendations of the Dependability of Electronic, Electrical Components, Equipment and Systems Sectional Committee and approval of the Electronics and Information Technology Division Council.

This standard was originally published in 2012 and was identical with IEC 61196-1-104: 2005. The first revision of this standard has been undertaken to align it with the latest version of IEC 61196-1-104-2015.

The text of IEC Standard has been approved as suitable for publication as an Indian Standard without deviations. Certain conventions and terminologies are, however, not identical to those used in Indian Standards. Attention is particularly drawn to the following:

- a) Wherever the words ‘International Standard’ appear referring to this standard, they should be read as ‘Indian Standard’, and
- b) Comma (,) has been used as a decimal marker while in Indian Standards, the current practice is to use a point (.) as the decimal marker.

In this adopted draft standard, reference appears to certain International Standards for which Indian Standards also exist. The corresponding Indian Standards, which are to be substituted in their respective places, are listed below along with their degree of equivalence for the editions indicated. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies:

| <i>International Standards</i> | <i>Corresponding Indian Standard</i> | <i>Degree of Equivalence</i> |
|---|--|------------------------------|
| IEC 60050 (all parts) International Electrotechnical Vocabulary, available at http://www.electropedia.org/ | IS 1885 (All Parts) Electrotechnical Vocabulary | Technically Equivalent |
| IEC 61196-1 Coaxial communication cables – Part 1: Generic specification – General, definitions and requirements | IS/IEC 61196-1 : 2005 Coaxial communication cables: Part 1 generic specification - General, definitions and requirements | Identical |
| IEC 61196-1-103 Coaxial communication cables – Part 1-103: Electrical test methods – Test for capacitance of cable | IS/IEC 61196-1-103 : 2005 Coaxial communication cables: Part 1 - 103 electrical test methods - Test for capacitance of cable | -do- |

For the purpose of deciding whether a particular requirement of this standard is complied with, the final value, observed or calculated, expressing the result of a test or analysis, shall be rounded off in accordance with IS 2:2022 ‘Rules for rounding off numerical values (*revised*)’. The number of significant places retained in the rounded off value should be the same as that of the specified value in this standard.

Scope of IEC 61196-1-104:2015 is as follows:

This part of IEC 61196 applies to coaxial communications cables. It specifies test methods for determining the capacitance stability of the cable when subjected to temperature change.

NOTE— The Technical content of this document has not been enclosed as these are identical with the corresponding IEC Standard. For details please refer IEC 61196-1-104: 2015 or kindly contact.

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