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Draft IS/IEC 61196-1-111: 2014
Identical with IEC 61196-1-111:2014
June 2024

Draft Indian Standard

Coaxial Communication Cables –
Part 1: Electrical Test Methods –
Section 111: Stability of Phase Test Methods
(First Revision)

मसौदा भारतीय मानक

समाक्ष संचार केबल –
भाग 1: इलैक्ट्रिकल परीक्षण विधियाँ –
अनुभाग 111: फेज स्थिरांक की स्थायित्वता के लिये परीक्षण
(पहला पुनरीक्षण)

ICS 33.120.10

LITD 06 Wires, Cables, Waveguides & Accessories Sectional Committee	**Last Date for Comments:** 11 August 2024

NATIONAL FOREWORD

(Formal clauses will be added later)

This Draft Indian Standard (Part 1/Section 111) (First Revision) which is identical with IEC 61196-1-111: 2014 'Coaxial communication cables – Part 1-111: Electrical test methods – Stability of phase test methods' issued by the International Electrotechnical Commission (IEC) *will be* adopted by the Bureau of Indian Standards on the recommendations of the Wires, Cables, Waveguides & Accessories Sectional Committee and approval of the Electronics and Information Technology Division Council.

This standard was originally published in 2012 and was identical with IEC 61196-1-111: 2005. The first revision of the Indian Standard has been under taken up to align it with the latest version of IEC 61196-1-111: 2014.

This edition includes the following significant technical changes with respect to the previous edition:
– a new Clause 4 Phase variation with temperature;
– a new Clause 6 Phase stability with bending;
– a new Clause 7 Phase stability with twisting.

The text of IEC Standard *will be* 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 shouldbe 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 draft adopted standard, reference appears to the following International Standard for which Indian Standard also exists. The corresponding Indian Standard which is to be substituted in its place is listed below along with its degree of equivalence for the edition indicated. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies:

International Standards	**Corresponding Indian Standard**	**Degree of Equivalence**
IEC 61196-1:2005, 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 61196-1-108:2011, Coaxial communication cables – Part 1-108: Electrical test methods – Test for characteristic impedance, phase and group delay, electrical length and propagation velocity	IS/IEC 61196-1-108 : 2011 Coaxial communication cables – Part 1-108: Electrical test methods – Test for characteristic impedance, phase and group delay, electrical length and propagation velocity (First Revision) (Under Development as Doc. No. LITD 06/25572)	Identical

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 (Second Revision)'. The number of significant places retained in the rounded off value should be same as that of the specified value in this standard.

Scope of IEC 61196-1-111: 2014 is as follows:

"This part of IEC 61196 applies to coaxial communication cables. It specifies methods for determining the stability of phase of coaxial communication cables.

- phase variation with temperature (Clause 4);
- phase constant variation with temperature (Clause 5);
- phase stability with bending (Clause 6);
- phase stability with twisting (Clause 7)."

NOTE−The Technical content of this document has not been enclosed as these are identical withthe corresponding IEC Standard. For details please refer IEC 61196-1-111: 2014 or kindly contact.

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