

BUREAU OF INDIAN STANDARDS
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मसौदा भारतीय मानक
समाक्ष संचार केबल
भाग 6 - सीएटीवी ड्रॉप केबल
अनुभाग 1- रिक्त विस्तृत विशिष्टि
(पहला पुनरीक्षण)

Draft Indian Standard
Coaxial Communication Cables
Part 6 - CATV Drop Cables
Section – 1 Blank Detail Specification
(First Revision)

ICS 33.120.10

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NATIONAL FOREWORD

(Formal clauses will be added later)

This Draft Indian Standard (Part 6/Section 1) (First Revision) which is identical with IEC 61196-6-1: 2021 ‘Coaxial communication cables – Part 6-1: Blank detail specification for CATV drop cables’ issued by the International Electrotechnical Commission (IEC) *will be* adopted by the Bureau of Indian Standards on the recommendation of Wires, Cables, Waveguides and Accessories Sectional Committee and approval of the Electronics and Information Technology Division Council.

This standard was originally published in 2020 and was identical with IEC 61196-6-1: 2009. The first revision of this Indian Standard has been under taken up to align it with the latest version of IEC 61196-6-1: 2021.

This second edition cancels and replaces the first edition published in 2009. This edition constitutes a technical revision. This edition includes the following significant technical changes with respect to the previous edition:

a) Annex A, Cable identification and marking was added.

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

- a) Wherever the words ‘International Standard’ appears referring to this standard, they should be read as ‘Indian Standard’.
- 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 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:

International Standards	Corresponding Indian Standards	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 61196-6:2021, Coaxial communication cables – Part 6:	IS/IEC 61196-6: 2021, Coaxial Communication Cables Part 6	Identical with IEC 61196-6: 2021

Sectional specification for CATV drop cables	Sectional Specification for CATV Drop Cables (First Revision)	
IEC 61196-1-314:2015, Coaxial communication cables – Part 1-314: Mechanical test methods – Test for bending	IS/IEC 61196-1-314: 2015, Coaxial communication cables Part 1-314 Mechanical Test Methods — Test for Bending	Identical

The technical committee has reviewed the provisions of the following International Standards referred in this adopted standard and has decided that they are acceptable for use in conjunction with this standard. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies:

<i>International Standard</i>	<i>Title</i>
IEC 61196-1-310	Coaxial communication cables – Part 1-310: Mechanical test methods – Test for torsion characteristics of copper-clad metals

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 61196-6-1: 2021

“This blank detail specification applies to coaxial communication cables as described in IEC 61196-6. It specifies the requirements for drop cables for use in cabled television distribution networks operating at temperatures between $-40\text{ }^{\circ}\text{C}$ and $+70\text{ }^{\circ}\text{C}$ and in the frequency range from 5 MHz to 1 000 MHz or from 5 MHz to 3 000 MHz”

Note: - The Technical content of this document has not been enclosed as these are identical with the corresponding IEC Standard. For details, please refer to IEC 61196-6-1: 2021 or kindly contact.

Head,

Electronics & IT Department
 Bureau of Indian Standards
 9, B.S. Zafar Marg,
 New Delhi-110002
 Email: hlitd@bis.gov.in, litd6@bis.gov.in
 Tele: 011-23608451