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Coaxial communication cables -
Part 1-326: Test methods - Clamps test

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CONTENTS

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FOREWORD

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IEC 61196-1-326 has been prepared by subcommittee 23A: Cable management systems, of IEC technical committee 23: Electrical accessories. It is an International Standard.

This second edition cancels and replaces the first edition published in 2022. This edition constitutes a technical revision.

This edition includes the following significant technical changes with respect to the previous edition:

a) Addition of Clause 4 to Clause 15.

The text of this International Standard is based on the following documents:

Draft	Report on voting
23A/1112/FDIS	23A/1114/RVD

Full information on the voting for its approval can be found in the report on voting indicated in the above table.

The language used for the development of this International Standard is English.

This document was drafted in accordance with ISO/IEC Directives, Part 2, and developed in accordance with ISO/IEC Directives, Part 1 and ISO/IEC Directives, IEC Supplement, available at www.iec.ch/members_experts/refdocs. The main document types developed by IEC are described in greater detail at www.iec.ch/publications.

A list of all the parts in the IEC 61196 series, published under the general title *Coaxial communication cables*, can be found on the IEC website

The committee has decided that the contents of this document will remain unchanged until the stability date indicated on the IEC website under webstore.iec.ch in the data related to the specific document. At this date, the document will be

– reconfirmed,
– withdrawn, or
– revised.

1 Scope

This part of IEC 61196 specifies the test methods of clamps for laying coaxial communication cable, including mechanical test methods and environmental test methods.

This document applies to clamps for laying coaxial communication cables, including feeder and radiating cables. For requirements not covered in IEC 61914, clamps for other types of cables can also refer to this document.

This document includes the following test methods:

a) mechanical test methods:
   1) clamping force (Clause 5);
   2) normal tensile force (Clause 6);
   3) shear force (Clause 7);
   4) suitability test (Clause 8);
   5) fastener torque test (applicable to feeder clamps) (Clause 9);
   6) high cycle fatigue (Clause 10).
b) environmental test methods:
   1) climatic sequence (Clause 11);
   2) salt mist (Clause 12);
   3) solar radiation (applicable to outdoor clamps) (Clause 13);
   4) cold temperature installation (Clause 14);
   5) fire-resistance (fireproof clamp) (Clause 15).

This document does not apply to cable cleats, which are covered by IEC 61914.

NOTE Cable cleats complying with IEC 61914 can be additionally tested in accordance with this document, where relevant.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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.

IEC 60068-2-1, *Environmental testing - Part 2-1: Tests - Test A: Cold*

IEC 60068-2-2, *Environmental testing - Part 2-2: Tests - Test B: Dry heat*

IEC 60068-2-5, *Environmental testing - Part 2-5: Tests - Test S: Simulated solar radiation at ground level and guidance for solar radiation testing and weathering*

IEC 60068-2-30, *Environmental testing - Part 2-30: Tests - Test Db: Damp heat, cyclic (12 h + 12 h cycle)*

IEC 61196-1-112, *Coaxial communication cables - Part 1-112: Electrical test methods - Test for return loss and voltage standing wave ratio*

IEC 61196-4, *Coaxial communication cables - Part 4: Sectional specification for radiating cables*

Bibliography

[1] IEC 61914:2021, *Cable cleats for electrical installations*

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