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Aerospace series - Cables, electrical, aircraft use - Test methods - Part 512: Flexure endurance

Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 07/21

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EUROPEAN STANDARD

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English Version

Aerospace series - Cables, electrical, aircraft use - Test methods - Part 512: Flexure endurance

Série aérospatiale - Câbles électriques à usage
aéronautique - Méthodes d'essais - Partie 512 :
Résistance à la flexion

Luft- und Raumfahrt - Elektrische Leitungen für
Luftfahrtverwendung - Prüfverfahren - Teil 512:
Wechselbiegefestigkeit

This European Standard was approved by CEN on 2 November 2020.

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EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

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EN 3475-512:2021 (E)

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European foreword

This document (EN 3475-512:2021) has been prepared by the Aerospace and Defence Industries Association of Europe — Standardization (ASD-STAN).

After enquiries and votes carried out in accordance with the rules of this Association, this document has received the approval of the National Associations and the Official Services of the member countries of ASD, prior to its presentation to CEN.

This document shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by September 2021, and conflicting national standards shall be withdrawn at the latest by September 2021.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN shall not be held responsible for identifying any or all such patent rights.

This document supersedes EN 3475-512:2002.

According to the CEN-CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this document: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

The main changes with respect to the previous edition are listed in the following table.

prEN/EN Number	Edition	Publication Date	Modification
prEN 3475-512	P2	08/2019	<p>3 – Terms and definitions: Addition of this clause.</p> <p>5 – Apparatus and installation of specimens: Addition of “The test setup shall be designed to avoid any swing motion/displacement of the cable between the mandrels. The length should be sufficient to ensure that the weight shall not influence the bending motion.”</p> <p>7 – Requirement: Addition of method B. Addition of “Unless otherwise specified, only method A is required.”</p>

EN 3475-512:2021 (E)**1 Scope**

This document specifies a method of testing flexure endurance of the cable when it is subjected to alternating flexing.

It is used together with EN 3475-100.

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.

EN 3475-100, *Aerospace series — Cables, electrical, aircraft use — Test methods — Part 100: General*

EN 3475-302, *Aerospace series — Cables, electrical, aircraft use — Test methods — Part 302: Voltage proof test*

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