Aerospace series — Cables, electrical, aircraft use — Test methods

Part 513: Deformation resistance (Installation with plastic cable ties)
National foreword

This British Standard is the UK implementation of EN 3475-513:2020. It supersedes BS EN 3475-513:2005, which is withdrawn.

The UK participation in its preparation was entrusted to Technical Committee ACE/6, Aerospace avionic electrical and fibre optic technology.

A list of organizations represented on this committee can be obtained on request to its secretary.

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This European Standard was approved by CEN on 19 August 2019.

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European foreword

This document (EN 3475-513:2020) 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 Standard 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 European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by August 2020, and conflicting national standards shall be withdrawn at the latest by August 2020.

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 3475-513:2005.

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1 Scope

This document defines the test methods to evaluate the performance of coaxial, quadrax and databus cables after the installation of plastic cable ties.

It shall be 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 3475-805, Aerospace series — Cables, electrical, aircraft use — Test methods — Part 805: Characteristic impedance

EN 3475-806, Aerospace series — Cables, electrical, aircraft use — Test methods — Part 805: Attenuation

EN 3475-808, Aerospace series — Cables, electrical, aircraft use — Test methods — Part 808: Cross-talk

EN 3475-812, Aerospace series — Cables, electrical, aircraft use — Test methods — Part 812: Return loss (VSWR)

EN 4056-003, Aerospace series — Cable ties for harnesses — Part 003: Plastic cable ties — Operating temperatures – 65 °C to 105 °C and – 65 °C to 150 °C — Product standard

3 Terms and definitions

No terms and definitions are listed in this document.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

- ISO Online browsing platform: available at http://www.iso.org/obp