



NSAI
Standards

Irish Standard
I.S. EN 4056-001:2015

Aerospace series - Cable ties for harnesses - Part 001: Technical specification

I.S. EN 4056-001:2015

Incorporating amendments/corrigenda/National Annexes issued since publication:

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Aerospace series - Cable ties for harnesses - Part 001: Technical specification

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EUROPEAN COMMITTEE FOR STANDARDIZATION
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EN 4056-001:2015 (E)

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Foreword

This document (EN 4056-001:2015) 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of an identical text or by endorsement, at the latest by December 2015, and conflicting national standards shall be withdrawn at the latest by December 2015.

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

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EN 4056-001:2015 (E)**1 Scope**

This European Standard specifies the characteristics, test methods, qualification and acceptance conditions of plastic cable ties, used for the bundling, fixing and/or marking of cable harnesses in aircraft. The cable ties should be installed with a qualified application tool, which controls the application force thus avoiding damage to the cable insulation.

It defines the aerospace requirements not specified in EN 62275.

2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 2424, *Aerospace series — Marking of aerospace products*

EN 2825, *Aerospace series — Burning behaviour of non metallic materials under the influence of radiating heat and flames — Determination of smoke density*

EN 2826, *Aerospace series — Burning behaviour of non metallic materials under the influence of radiating heat and flames — Determination of gas components in the smoke*

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

EN 4056-002, *Aerospace series — Cable ties for harnesses — Part 002: Index of product standards*

EN 4057 (all parts), *Aerospace series — Cable ties for harnesses — Test methods*

EN 9133, *Aerospace series — Quality management systems — Qualification procedure for aerospace standard parts*

EN 62275, *Cable management systems — Cable ties for electrical installations*

ISO 8815, *Aircraft — Electrical Cables and Cable Harnesses — Vocabulary*

MS 90387, *Tool, hand, adjustable for plastic and metal tie down straps* ¹⁾

3 Terms and definitions

For the purposes of this standard, the terms and definitions given in EN 3475-100 and ISO 8815 and the following apply.

3.1**cable loom or cable harness**

any assembly of cables, complete with end terminals, which may be manufactured and formed on or off the aircraft, with two or more end destinations

3.2**cable bundle**

any group of cables which are tied together

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