



NSAI
Standards

Irish Standard
I.S. EN 2242:2012

Aerospace series - Crimping of electric cables with conductors defined by EN 2083, EN 4434 and EN 2346

I.S. EN 2242:2012

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English Version

Aerospace series - Crimping of electric cables with conductors defined by EN 2083, EN 4434 and EN 2346

Série aérospatiale - Sertissage des câbles électriques avec
conducteurs définis par EN 2083, EN 4434 et EN 2346

Luft- und Raumfahrt - Crimpen von elektrischen Leitungen
mit Leitern nach EN 2083, EN 4434 und EN 2346

This European Standard was approved by CEN on 11 February 2012.

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This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

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Foreword

This document (EN 2242:2012) 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of an identical text or by endorsement, at the latest by November 2012, and conflicting national standards shall be withdrawn at the latest by November 2012.

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1 Scope

This European Standard specifies the general requirements and procedures to ensure the good quality of crimped connections made with multi-stranded cables with conductor cross-sections ranging from 0,15 mm² (AWG 26) to 107 mm² (AWG 0000) and all types of connection components ¹⁾.

Electric cables to be used for the tests shall conform to EN 2084, EN 2234, EN 2235, EN 2346 and be stripped according to EN 2812. For conductors see EN 2083, EN 4434 and EN 2346.

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 2083, *Aerospace series — Copper and copper alloys conductors for electrical cables — Product standard*

EN 2084, *Aerospace series — Cables, electric, single-core, general purpose, with conductors in copper or copper alloy — Technical specification*

EN 2234, *Aerospace series — Cable, electrical, fire resistant — Technical specification*

EN 2235, *Aerospace series — Single and multicore electrical cables, screened and jacketed*

EN 2346, *Aerospace series — Fire resistant electrical cables — Dimensions, conductor resistance and mass* ²⁾

EN 2591-417, *Aerospace series — Elements of electrical and optical connection — Test methods — Part 417: Tensile strength (crimped connection)*

EN 2591-503, *Aerospace series — Elements of electrical and optical connection — Test methods — Part 503: Contact deformation after crimping*

EN 2812, *Aerospace series — Stripping of electric cables*

EN 3155-002, *Aerospace series — Electrical contacts used in elements of connection — Part 002: List and utilization of contacts*

EN 4434, *Aerospace series — Copper or copper alloy lightweight conductors for electrical cables — Product standard (Normal and tight tolerances)*

IEC 60050-581, *International Electrotechnical Vocabulary — Part 581: Electromechanical components for electronic equipment* ³⁾

1) Barrel, terminal lug, splice.

2) Published as ASD-STAN Prestandard at the date of publication of this standard (www.asd-stan.org).

3) Published by: IEC International Electrotechnical Commission <http://www.iec.ch/>.

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