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*American National Standard for Uninsulated Conductors—
Used in Electrical and Electronic Applications*

Secretariat:

National Electrical Manufacturers Association

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American National Standards Institute, Inc.

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FOREWORD

This Standard publication was developed by the NEMA High Performance Wire and Cable Section as an alternative non-government Standard to MIL-DTL-29606. This publication assures that all included conductors, both metric and English (inch/pound) sizes will meet the current requirements associated with high-reliability aerospace electrical and electronic equipment. This Standard was adapted from, and harmonizes the following specifications: MIL-DTL-29606, ISO 2635, PREN 2083, and BSI 231. In addition, it also utilizes many of the ASTM conductor Standards for reference purposes.

Compliance with provisions of this Standards publication is strictly voluntary and any certification of compliance is left to the discretion of the buyer and seller.

In the preparation of this Standards publication input of users and other interested parties has been sought and evaluated. Inquiries, comments, and proposed or recommended revisions should be submitted to the concerned NEMA product Subdivision by contacting the:

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This Standards publication was developed by the NEMA Advanced Technology Wire and Cable Section Aerospace Committee. Section approval of the Standard does not necessarily imply that all section members voted for its approval or participated in its development. At the time it was approved, the section was composed of the following members:

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Section 1 GENERAL

1.1 SCOPE

This Standard covers the following uninsulated conductors:

- a. Single end (solid) and stranded;
- b. coated and uncoated copper;
- c. coated copper alloy;
- d. coated copper-clad steel;
- e. aluminum conductors; and,
- f. thermocouple extension conductors.

These conductors are used primarily in insulated wires for aerospace, electrical, electronic, and other high performance applications.

Both metric and English (inch/pound) conductors are included in this Standard. Where alternative units are shown in parenthesis, English (inch/pound) units shall be normative.