



Designation: B1006 – 17

Standard Specification for Electrical Overhead Conductor Code Word Names¹

This standard is issued under the fixed designation B1006; the number immediately following the designation indicates the year of original adoption or, in the case of revision, the year of last revision. A number in parentheses indicates the year of last reappraisal. A superscript epsilon (ϵ) indicates an editorial change since the last revision or reappraisal.

1. Scope

1.1 This specification lists code word names for bare overhead electrical conductors that are recognized in North America. A procedure has been outlined for adding additional code word names to this standard. Code word names have been in existence for many years describing various conductor constructions used in North America, Europe and elsewhere in the world. Their origin is not clearly understood. The historical basis of this standard originates from code word names developed years ago by member utility companies that participated in the US Aluminum Association, Technical Committee.

1.2 The code word names are grouped into tables of like constructions. The code word name construction can be modified with the use of suffix modifiers that identify additional construction variations. For example the type of steel core material used in an ACSR type of conductor may be modified with the letter designation “/GA3” denoting the strength and type of coating for the steel core material.

1.3 The tables provide the applicable ASTM standard for which the conductor construction may be built to. For conductors that are unique to use in Canada, the applicable CSA International standard is referenced.

1.4 The tables include code word names that are referenced in Canadian CSA and European CENELEC standards. The information is believed to be correct however the user of this document is encouraged to consult the applicable CSA or CENELEC standard for confirmation.

1.5 *This international standard was developed in accordance with internationally recognized principles on standardization established in the Decision on Principles for the Development of International Standards, Guides and Recommendations issued by the World Trade Organization Technical Barriers to Trade (TBT) Committee.*

2. Referenced Documents

2.1 The following documents of the issue in effect on date of material purchase form a part of this specification to the extent referenced herein:

¹ This specification is under the jurisdiction of ASTM Committee B01 on Electrical Conductors and is the direct responsibility of Subcommittee B01.07 on Conductors of Light Metals.

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2.2 ASTM Standards:²

- B231/B231M Specification for Concentric-Lay-Stranded Aluminum 1350 Conductors
- B232/B232M Specification for Concentric-Lay-Stranded Aluminum Conductors, Coated-Steel Reinforced (ACSR)
- B399/B399M Specification for Concentric-Lay-Stranded Aluminum-Alloy 6201-T81 Conductors
- B400/B400M Specification for Compact Round Concentric-Lay-Stranded Aluminum 1350 Conductors
- B401 Specification for Compact Round Concentric-Lay-Stranded Aluminum Conductors, Steel-Reinforced (ACSR/COMP)
- B498/B498M Specification for Zinc-Coated (Galvanized) Steel Core Wire for Use in Overhead Electrical Conductors
- B502/B502M Specification for Aluminum-Clad Steel Core Wire for Use in Overhead Electrical Aluminum Conductors
- B549 Specification for Concentric-Lay-Stranded Aluminum Conductors, Aluminum-Clad Steel Reinforced for Use in Overhead Electrical Conductors
- B606/B606M Specification for High-Strength Zinc-Coated (Galvanized) Steel Core Wire for Aluminum and Aluminum-Alloy Conductors, Steel Reinforced
- B609/B609M Specification for Aluminum 1350 Round Wire, Annealed and Intermediate Tempers, for Electrical Purposes
- B701/B701M Specification for Concentric-Lay-Stranded Self-Damping Aluminum Conductors, Steel Reinforced (ACSR/SD)
- B778 Specification for Shaped Wire Compact Concentric-Lay-Stranded Aluminum Conductors (AAC/TW)
- B779 Specification for Shaped Wire Compact Concentric-Lay-Stranded Aluminum Conductors, Steel-Reinforced (ACSR/TW)
- B802/B802M Specification for Zinc-5 % Aluminum-Mischmetal Alloy-Coated Steel Core Wire for Aluminum Conductors, Steel Reinforced (ACSR)
- B803/B803M Specification for High-Strength Zinc-5 %

² For referenced ASTM standards, visit the ASTM website, www.astm.org, or contact ASTM Customer Service at service@astm.org. For *Annual Book of ASTM Standards* volume information, refer to the standard's Document Summary page on the ASTM website.