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Code Words for 600 Volt
Underground Distribution Cables



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***Code Words for 600 Volt
Underground Distribution Cables***

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Foreword

This publication for Code Words for 600 Volt Underground Distribution Cables, P-124-736, was developed by the Insulated Cable Engineers Association, Inc. (ICEA). Code Words for Overhead Aluminum Covered Conductors and 600 Volt Overhead Cables are covered in ANSI/ICEA Publication # P-127-737.

ICEA standards and guides are adopted in the public interest and are designed to eliminate misunderstanding between the manufacturer and user and to assist the user in selecting and obtaining proper products for his or her particular need. Existence of an ICEA standard or guide does not in any respect preclude the manufacture or use of products not conforming to the standard or guide.

The user of this Standard is cautioned to observe any applicable health or safety regulations and rules relative to the manufacture and use of cable made in conformity with this Standard. This Standard hereafter assumes that manufacture, testing, installation and maintenance of cables defined by this publication will be performed only by properly trained personnel using suitable equipment.

Requests for interpretation of this ICEA Standard must be submitted in writing (hard copy, email, or fax) to the Insulated Cable Engineers Association to the ICEA Secretary. The mailing address of Headquarters and a contact link are shown on the ICEA web site – www.icea.net. An official written interpretation will be provided.

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Section 1 GENERAL

1.1 SCOPE

This publication includes a listing of code words for 600 volt underground distribution cables covered by the ANSI/ICEA S-105-692 and S-81-570 Standards. Also included is a procedure for registering new code words and the details of the designation system. Code words are a means of identifying different sizes and types of conductors and cables in catalogs, orders, invoices and other production and sales records. A system of suffixes for code words provides designations for variations in construction, temper, and type of insulation. This publication builds upon a previously published Aluminum Association "Code Words For Underground Distribution Cables" document.

Code Words for Overhead Aluminum Covered Conductors and 600 Volt Overhead Cables is covered in ANSI/ICEA Publication # P-127-737.

1.2 CODE WORD SYSTEM

The code word system for 600 volt underground distribution cables is similar to that employed for overhead 600 volt cables, overhead aluminum covered conductors and bare overhead conductors. Code words have been selected from a common source for each category. The code word, with or without suffixes, identifies a distinctive cable design. A basic cable design is designated by a code word without suffixes (implied notations); suffixes are added where needed to delineate deviations from the basic design.

This system provides not only a logical and consistent basis for assigning code words, but also serves to broadly identify the underground cable category. For the 600V underground cable category, the code word source was "colleges and universities".

1.3 PROCEDURE FOR REGISTERING CODE WORDS

Submit code word request form (see Appendix A) to ICEA for the cable design it is intended to designate. The mailing address of Headquarters and a contact link are shown on the ICEA web site – www.icea.net.

Words submitted may be chosen by the registrant or assigned by ICEA. Code words should be selected from the source used for the underground cable category involved without duplicating the code word for any other wire or cable product.

1.4 REFERENCED DOCUMENTS

ANSI/ICEA S-81-570: Standard for 600V Volt Rated Cables of Ruggedized Design for Direct Burial Installation as Single Conductors or Assemblies of Single Conductors.

ANSI/ICEA S-105-692: Standard for 600 Volt Single Layer Thermoset Insulated Utility Underground Distribution Cables.

1.5 TERMINOLOGY

1.5.1 DEFINITIONS

AA8000:	AA8000 Series Electrical Aluminum Alloy Conductor Material
Aluminum 1350:	Electric conductor aluminum
mil:	Thousandth of an inch