

IEEE Guide for the Properties of Identifiable Jackets for Underground Power Cables and Ducts

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Abstract: Identification markings of jacketed underground power cables and ducts are established in this guide. Included are various methods of identifying underground power cables and ducts, and the visual, chemical, and mechanical properties of the identification materials and/or methods, and their impact on the properties of the overall jacket or duct as well as their impact on installation practices.

Keywords: duct, identification, jacket, power cables, raised ridge, red stripe

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Introduction

(This introduction is not part of IEEE Std 1235-2000, IEEE Guide for the Properties of Identifiable Jackets for Underground Power Cables and Ducts.)

This guide is concerned with the identification of a jacket as it is defined in The IEEE Standard Dictionary of Electrical and Electronic Terms, Sixth Edition (“A thermoplastic or thermosetting plastic covering, sometimes fabric reinforced, applied over the insulation, core, metallic sheath, or armor of a cable”). Users should note that this guide makes reference to standards developed by the Insulated Cable Engineers Association (ICEA), and other organizations.

This guide is written for the many persons with responsibilities for selecting underground power cable jackets and ducts. The purpose of the guide is to present methods for defining and selecting red stripes or raised ridges used in conjunction with underground power cable and duct. Other methods of power cable and duct identification, all red jackets, stripes other than red, and the National Electrical Safety Code identifier are beyond the scope of this guide and will not be covered in this guide.

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