

ANSI/ICEA Publication S-81-570-2005

*Standard For 600 Volt Rated Cables of Ruggedized Design
For Direct Burial Installation As Single Conductors
Or Assemblies Of Single Conductors*

Prepared and Published by

**Insulated Cable Engineers Association
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Carrollton, Georgia 30112, USA**

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Foreword

This standard publication for 600 Volt rated cables of ruggedized design for direct burial installations as single conductors and assemblies of single conductors, ICEA S-81-570 was developed by the Insulated Cable Engineers Association, Inc. (ICEA)

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Section 1 GENERAL

1.1 SCOPE

This standard applies to the materials, constructions, and testing of single conductor cables and assemblies of completed single conductor cables used for the distribution of electrical energy at phase-to-phase voltages not exceeding 600 volts or phase to ground not exceeding 480V, and at temperatures not exceeding 75°C or 90°C, as applicable to the construction. It requires the use of ruggedized extruded insulations to improve the resistance of the cable to certain forms of mechanical damage associated with their intended use as directly buried Secondary Distribution and Service Cables. These cables, when operated within the voltage and temperature limits stated herein, are also suitable for use in other types of installations under the conditions normally associated with those installations.