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STANDARD FOR

Tree Wire and Messenger Supported Spacer Cable

Standard

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Section 1 GENERAL

1.1 SCOPE

This standard applies to the materials, constructions, and testing of tree wire and messenger supported spacer cable. These conductors are intended primarily for the distribution of electrical energy under normal conditions of overhead (aerial) installations. This standard covers both thermoplastic and crosslinked polyethylene constructions, rated for 75°C or 90°C normal service temperature. They are considered as covered conductors therefore the cables carry no voltage rating. The conductors must be installed on insulators and/or spacers adequate for the service voltage. The user may want to give consideration to the dielectric compatibility of the covering, insulator, spacer and tie wire.

Line wire constructions are covered in ANSI/ICEA S-70-547 – Standard for Weather-Resistant Polyethylene Covered Conductors.

Messenger wires are covered in ANSI/ICEA P-79-561 - Guide for Selecting Aerial Cable Messengers and Lashing Wires.