Society of Cable Telecommunications Engineers

ENGINEERING COMMITTEE
Interface Practices Subcommittee

AMERICAN NATIONAL STANDARD

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Specification for Trunk, Feeder and Distribution Coaxial Cable

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1. Introduction

1.1. Executive Summary

This specification applies to general purpose trunk, feeder and distribution coaxial cables. Currently there are two distinctive designs of dielectric available; gas injected foam dielectric and disc and air dielectric. This document will cover both designs. Specialty cables will not be included in this document.

References to the National Electrical Code, National Electrical Safety Code, ASTM and other regulations or specifications should adhere to the latest document and should keep current with each document.

This specification in no way should limit or restrict any manufacture's innovations and improvement. Innovation and improvements are encouraged and this specification may be adjusted when beneficial.

1.2. Scope

This specification applies to material, electrical and mechanical properties of seventy-five ohm coaxial cables as defined herein.

Seventy-five ohm coaxial cables are used to distribute radio frequency (R.F.), digital signals and power as applicable.

2. Normative References

The following documents contain provisions, which, through reference in this text, constitute provisions of this document. At the time of Subcommittee approval, the editions indicated were valid. All documents are subject to revision; and while parties to any agreement based on this document are encouraged to investigate the possibility of applying the most recent editions of the documents listed below, they are reminded that newer editions of those documents might not be compatible with the referenced version.

2.1. SCTE References

- ANSI/SCTE 03 2008 – Test Method for Coaxial Cable Structural Return Loss
- ANSI/SCTE 11 2012 – Test Method for Aerial Cable Corrosion Protection Flow
- ANSI/SCTE 12 2011 – Test Method for Center Conductor Bond to Dielectric for Trunk Feeder and Distribution Coaxial Cables
- ANSI/SCTE 13 2011 – Dielectric Air Leak Test Method For Trunk, Feeder and Distribution Coaxial Cable
- ANSI/SCTE 39 2013 – Test Method for Static Minimum Bending Radius for Coaxial Trunk, Feeder and Distribution Cables
- ANSI/SCTE 44 2010 – Test Method for DC Loop Resistance
- ANSI/SCTE 47 2007 – Test Method for Coaxial Cable Attenuation
- ANSI/SCTE 66 2008 – Test Method for Coaxial Cable Impedance
- ANSI/SCTE 69 2007 – Test Method for Moisture Inhibitor Corrosion Resistance
- ANSI/SCTE 88 2012 – Test Methods for Polyethylene Jacket Longitudinal Shrinkage

2.2. Standards from Other Organizations

- ASTM A 641-92 Specification for Zinc-Coated (Galvanized) Carbon Steel Wire
- ANSI H35.1 American Aluminum Association Alloy and temper Designation Systems or Aluminum 1XXX