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Interface Practices Subcommittee

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**Specification for Trunk, Feeder and Distribution
Coaxial Cable**

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Document Types and Tags

Document Type: Specification

Document Tags:

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| ☒ Test or Measurement | ☐ Checklist | ☐ Facility |
| ☐ Architecture or Framework | ☐ Metric | ☐ Access Network |
| ☒ Procedure, Process or Method | ☐ Cloud | ☐ Customer Premises |

Document Release History

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Note: Standards that are released multiple times in the same year use: a, b, c, etc. to indicate normative balloted updates and/or r1, r2, r3, etc. to indicate editorial changes to a released document after the year.

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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 (RF), digital signals and power as applicable.

1.3. Benefits

This standard allows for interface between multiple vendors of coax, connectors, tools, equipment and accessories.

Without this specification the end user would have to pair hardline cable & parts due to lack of standardization.

1.4. Intended Audience

The intended audiences are mainly manufacturers. System operators should also find use in this specification as reference to their products and capabilities.

1.5. Areas for Further Investigation or to be Added in Future Versions

DOCSIS 3.1 specifications include operation at frequencies up to 1218 MHz, and optionally, to 1794 MHz. This document includes specifications up to 3000 MHz.

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

- [SCTE 03] ANSI/SCTE 03 2016 – Test Method for Coaxial Cable Structural Return Loss
- [SCTE 11] ANSI/SCTE 11 2018 – Test Method for Aerial Cable Corrosion Protection Flow