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S T A N D A R D S

Interface Practices Subcommittee

SCTE STANDARD

SCTE 71 2018

**Specification for Series 15, Braided, 75 Ω , Coaxial,
Multi-Purpose Cable**

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1. Introduction

1.1. Executive Summary

This specification is intended to apply to general-purpose, flexible, 75 Ohm, Braided, Low Loss Multi-Purpose Cables.

When reference to other regulations or specifications is made, the user should adhere to the latest revision of the regulation or specification

1.2. Scope

This specification defines the materials, electrical and mechanical properties of 75 ohm Braided, Low Loss Subscriber Access Cable (Series 15) as defined herein.

These cables are used in the transmission of RF signals and power for voice, data and video applications.

This document provides specifications or procedures for frequencies up to 1218 MHz. DOCSIS 3.1 specifications include operation at frequencies up to 1218 MHz, and optionally, to 1794 MHz. Specifications or procedures for frequencies above 1218 MHz should be considered in a future revision of this document.

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 09 2016: Test Method for Cold Blend
- ANSI/SCTE 10 2014: Test Method for Flexible Coaxial Cable Impact Test
- SCTE 11 2018: Test Method for Aerial Cable Corrosion Protection Flow
- ANSI/SCTE 31 2016: Test Method for Measuring Diameter Over Core
- ANSI/SCTE 32 2016: Ampacity of Coaxial Telecommunications Cables
- ANSI/SCTE 33 2016: Test Method for Diameter of Drop Cable
- ANSI/SCTE 44 2010: Test Method for DC Loop Resistance
- ANSI/SCTE 47 2007: Test Method for Coaxial Cable Attenuation
- ANSI/SCTE 49 2011: Test Method for Velocity of Propagation
- SCTE 51 2018: Test Method for Determining Drop Cable Braid Coverage
- SCTE 61 2018: Test Method for Jacket Web Separation
- ANSI/SCTE 63 2015: Test Method for Voltage Withstand of Outer Jacket
- ANSI/SCTE 66 2016: Test Method for Coaxial Cable Impedance
- ANSI/SCTE 69 2007: Test Method for Moisture Inhibitor Corrosion Resistance
- ANSI/SCTE 88 2012: Test Method for Polyethylene Jacket Longitudinal Shrinkage
- ANSI/SCTE 108 2018: Test Method for Dielectric Withstand of Coaxial Cable