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Interface Practices Subcommittee

SCTE STANDARD

SCTE 74 2023

**Performance Specification for Braided 75 Ohm
Flexible RF Coaxial Drop 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 |

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Table of Contents

Title	Page Number
NOTICE.....	2
Document Types and Tags	3
Document Release History	3
Table of Contents	4
1. Introduction.....	6
1.1. Executive Summary	6
1.2. Scope	6
1.3. Benefits	6
1.4. Intended Audience	6
1.5. Areas for Further Investigation or to be Added in Future Versions.....	6
2. Normative References	6
2.1. SCTE References	6
2.2. Standards from Other Organizations	7
2.3. Other Published Materials	8
3. Informative References	8
3.1. SCTE References	8
3.2. Standards from Other Organizations	8
3.3. Other Published Materials	8
4. Compliance Notation	9
5. Abbreviations and Definitions.....	9
5.1. Abbreviations.....	9
5.2. Definitions.....	9
6. Center Conductor	10
6.1. Material.....	10
6.2. Joints	10
6.3. Dimensions.....	10
6.4. Electrical.....	11
7. Dielectric.....	11
7.1. Material.....	11
7.2. Core (Dielectric + LST).....	11
8. Integral messenger – Aerial	12
8.1. Material.....	12
8.2. Mechanical	12
9. Finished Product Test	13
9.1. Mechanical	13
10. Environmental	14
11. Electrical.....	14
12. Integral Messenger (IM) Jacket/Web	17
13. Construction Performance Requirements	17
13.1. Single Tape & Braid	17
14. Tri Shield	18
15. Quad Shield.....	18

List of Tables

Title	Page Number
Table 1 - Center Conductor Dimensions.....	11

Table 2 - DC Resistance at 68 °F 20 °C	11
Table 3 - Average Core Diameter over LST	12
Table 4 - Core LST Ovality.....	12
Table 5 - Messenger Diameter	12
Table 6 - Messenger Minimum Break Strength (MBS)	12
Table 7 – Minimum Center Conductor Bond to Dielectric.....	13
Table 8 – Diameter Over Jacket (DOJ).....	14
Table 9 – Structural Return Loss (SRL).....	14
Table 10 – Maximum DC Loop Resistance @ 68°F (20 C°) `	15
Table 11 – Attenuation	16
Table 12 – Coaxial Drop Cable Ampacity (Amperes).....	17
Table 13 – Shielding effectiveness statistical mean 5-1002 MHz.....	18
Table 14 – Shielding effectiveness statistical mean 1002-1794 MHz	18
Table 15 – Shielding effectiveness statistical mean 1794-3000 MHz	19

1. Introduction

1.1. Executive Summary

This specification is intended to apply to flexible braided 75 ohm radio frequency (RF) coaxial drop cables for the broadband industry.

1.2. Scope

This specification defines the required performance with regards to electrical and mechanical properties of 75 ohm coaxial drop cables. 75 ohm coaxial cables are used to distribute radio frequency (RF), power and digital broadband signals.

1.3. Benefits

This specification defines the required performance of 75 ohm drop cables and how to test them. Standardizing the dimensions of coax cables ensures that connectors will fit cables built by different manufactures.

1.4. Intended Audience

The intended audience for this specification is manufacturers, test laboratories, and end-users.

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

Clarify definitions for standard, tri shield, and quad shield for all series of coaxial cable within this document.

2. Normative References

The following documents contain provisions which, through reference in this text, constitute provisions of this document. The editions indicated were valid at the time of subcommittee approval. 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 09]	ANSI/SCTE 09 2016: Test Method for Cold Blend
[SCTE 10]	ANSI/SCTE 10 2014 (R2021): Test Method Flexible Coaxial Cable Impact Test
[SCTE 11]	ANSI/SCTE 11 2018: Test Method for Aerial Cable Corrosion Protection Flow
[SCTE 31]	ANSI/SCTE 31 2016: Test Method for Measuring Diameter Over Core
[SCTE 32]	ANSI/SCTE 32 2016 (R2021): Ampacity of Coaxial Telecommunications Cables
[SCTE 33]	ANSI/SCTE 33 2016: Test Method for Diameter of Drop Cable
[SCTE 44]	ANSI/SCTE 44 2018: Test Method for DC Loop Resistance