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S T A N D A R D S

Interface Practices Subcommittee

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**Specification for Braided 75 Ω , Micro-Series Quad
Shield Coaxial Cable for Connectivity and Dense
CCAP/Edge QAM Applications**

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1. Introduction

1.1. Executive Summary

This specification applies to flexible 75-ohm, braided, micro-series, quad shield coaxial cable (*for example MMCX*) for connectivity and dense CCAP/Edge QAM applications.

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

- 1.2.1.** This specification defines the required performance with regards to electrical and mechanical properties of 75-ohm, braided micro-series quad shield coaxial cable for connectivity and dense CCAP/Edge QAM applications.
- 1.2.2.** These cables are used in the transmission of RF signals and power for voice, data and video applications.
- 1.2.3.** Cables meeting the requirements within this standard are for use with interior applications. Use within exterior applications is outside the scope and requirements of this document.

1.3. Benefits

Specification for Braided 75 Ω Micro-Series Quad Shield Coaxial Cable for Connectivity and Dense CCAP/Edge QAM Applications, is provided to ensure accurate and consistent micro-series coax for high density applications in today's broadband applications. As fiber is deployed deeper into the system, and with Remote PHY technologies, the need for even smaller coax assemblies is realized. This specification is a logical step to ensure the interoperability and performance for these cables and assemblies, the customer demands.

1.4. Intended Audience

The intended audience for this specification are manufacturers, evaluation laboratories, and end-users with proper laboratories and equipment to perform this test described therein.

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

At this time, there are no considerations being giving for further investigation.

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.