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Society of Cable Telecommunications Engineers

ENGINEERING COMMITTEE
Interface Practices Subcommittee

AMERICAN NATIONAL STANDARD

ANSI/SCTE 124 2011

Specification for “F” Connector, Male, Pin Type

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1.0 SCOPE

The purpose of this document is to specify requirements for male “F” pin type connectors that are used in the 75 ohm RF broadband communications industry. This specification applies to SCTE drop cable specifications ANSI/SCTE 74 2003, ANSI/SCTE 71 2008, and ANSI/SCTE 100 2010.

All requirements of this document are measured after installation per manufactures instructions of the cable into the connector.

2.0 DEFINITIONS AND ACRONYMS

2.1 Dielectric: The material that is used to insulate the center conductor from contacting the outer housing.

2.2 Thread Relief: A reduced diameter section of the threaded surface to allow the tool to run out. This feature is optional.

2.3 Center Conductor: The pin conductor inside the male “F” pin type connector that accepts the coaxial cable center conductor.

2.4 Reference Plane: The reference plane on the male “F” pin type connector is the mating surface that seats against the female “F” port. It is also the plane from where all horizontal dimensions are taken.

2.5 Parting Line (relevant to casting process only): A raised mark left on the surface of a part as a result of the gap between two halves of a die.

3.0 NORMATIVE REFERENCES

The following documents contain provisions, which, through reference in this text, constitute provisions of this standard. At the time of publication, the editions indicated were valid. All standards are subject to revision, and parties to agreement based on this standard are encouraged to investigate the possibility of applying the most recent editions of the documents listed below.

3.1 SCTE References

ANSI/SCTE 60 2010, Test Method for Interface Moisture Migration

ANSI/SCTE 74 2003, Specification for Braided 75 Ohm Flexible RF Coaxial Drop Cable

ANSI/SCTE 71 2008, Specification for Braided, 75 Ohm, Coaxial Multi-Purpose Cable

ANSI/SCTE 98 2009, Test Method for Withstand Tightening Torque - 'F' Male