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S T A N D A R D S

Interface Practices Subcommittee

AMERICAN NATIONAL STANDARD

ANSI/SCTE 12 2018

**Test Method for Center Conductor Bond to Dielectric for
Trunk, Feeder and Distribution Coaxial Cables**

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140 Philips Road
Exton, PA 19341

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1.0 SCOPE

This document is identical to SCTE 12 2011 except for informative components which may have been updated such as the title page, NOTICE text, headers and footers. No normative changes have been made to this document.

This test is to determine the bond strength between the center conductor and dielectric for specified semi-flexible coaxial cables.

2.0 INFORMATIVE REFERENCES

The following documents may provide valuable information to the reader but are not required when complying with this standard.

- 2.1 ANSI/SCTE 15 2006, Specification for Trunk, Feeder and Distribution Coaxial Cable

3.0 EQUIPMENT

- 3.1 Utility knife or equivalent.
- 3.2 Diagonal side cutters or equivalent for cutting center conductor.
- 3.3 Appropriate measuring device.
- 3.4 Band Saw.
- 3.5 Tubing Cutter (Optional).
- 3.6 Tensile testing apparatus.
 - 3.6.1 Shall be capable of indicating peak load attained.
 - 3.6.2 Load scale shall be calibrated.
 - 3.6.3 Must be capable of maintaining a rate of travel of 2 inches per minute.
- 3.7 Test fixture for securing cable samples to the tensile tester. See attached sketch.
 - 3.7.1 The fixture shall be constructed so as not to flex significantly under the applied loads.
 - 3.7.2 The fixture shall apply force evenly to the outer conductor and dielectric.
 - 3.7.3 The fixture shall have a hole for center conductor insertion that is a minimum 1 percent larger than the center conductor size being tested.