



***Society of Cable
Telecommunications
Engineers***

**ENGINEERING COMMITTEE
Interface Practices Subcommittee**

AMERICAN NATIONAL STANDARD

ANSI/SCTE 12 2001R2006

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

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1.0 SCOPE

- 1.1. 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 15 200, 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 Calibrated 12-inch 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.