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Interface Practices Subcommittee

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Test Method for Cored Depth Verification

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Document Types and Tags

Document Type: Specification

Document Tags:

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|---|------------------------------------|--|
| <input checked="" type="checkbox"/> Test or Measurement | <input type="checkbox"/> Checklist | <input type="checkbox"/> Facility |
| <input type="checkbox"/> Architecture or Framework | <input type="checkbox"/> Metric | <input checked="" type="checkbox"/> Access Network |
| <input type="checkbox"/> Procedure, Process or Method | <input type="checkbox"/> Cloud | <input type="checkbox"/> Customer Premises |

Document Release History

Release	Date
SCTE 34 2001	<i>12/14/2001</i>
SCTE 34 2010	<i>4/19/2010</i>
SCTE 34 2016	<i>7/20/2016</i>

Note: This document is a reaffirmation of SCTE 34 2016. No substantive changes have been made to this document. Information components may have been updated such as the title page, NOTICE text, headers, and footers.

1. Scope

The purpose of this test method is to determine the cored depth of Trunk, Feeder and Distribution Coaxial cable. The core depth is the internal measured distance between the dielectric foam and the square-cut end of the outer sheath. This test method will define the suggested method for core depth measurement.

2. Compliance Notation

<i>shall</i>	This word or the adjective “ <i>required</i> ” means that the item is an absolute requirement of this document.
<i>shall not</i>	This phrase means that the item is an absolute prohibition of this document.
<i>forbidden</i>	This word means the value specified shall never be used.
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<i>deprecated</i>	Use is permissible for legacy purposes only. Deprecated features may be removed from future versions of this document. Implementations should avoid use of deprecated features.

3. Equipment

3.1. Dial caliper

A Dial Caliper calibrated to read in at least 0.001 inch or 0.03 mm increments, a Mitutoyo 505-626 or equivalent.

3.2. Coring Tool

A Coring Tool for the coaxial cable to be tested.

4. Test Samples

Two-foot sample of the cable to be tested. Both ends *should* be square-cut and free of burrs or other impediments. If jacketed, and a jacket stripping/coring tool combination is not used, the jacket *should* be removed a sufficient distance as recommended by the manufacture to not impede the coring tool’s progress.

5. Test Measurement

1. Use the coring tool recommended by the tool manufacturer that corresponds to the cable to be tested. Verify the tool so that it matches the cable sample by the cable size and corresponding part numbers along with the tool part number and manufacturer's recommendations.
2. Core the cable by following the coring tool manufacturer's specific directions found on their instruction sheets.
3. Ensure the dial caliper is calibrated, and reads zero in the closed position. Extend the caliper out until it is just longer than the expected core depth as seen in Figure 1. Insert the dial caliper measuring blade inside the cored cable until the blade gently contacts the dielectric and lightly push down until the calipers butt contacts the cable outer sheath. Record this value as core depth. Record three measurements 120 degrees apart and average. The average core depth must meet the connector manufacturer's specification for core depth.

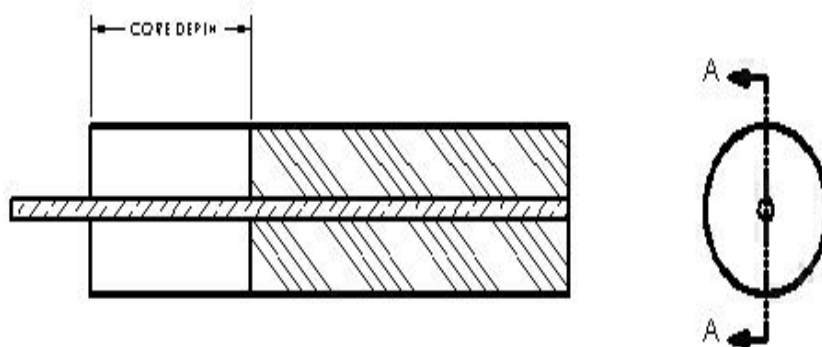


Figure 1 – Core Depth



Figure 2 – Example Core Depth



Figure 3 – Example Core Depth

Table 1 – Results table

Results of Core Depth Measurement			
Tester:		Date:	
Cable Manufacturer:			
Cable Type/Size:			
Sample No.:			
Measurement 1:			
Measurement 2:			
Measurement 3:			
Average: (M1+M2+M3)/3			
Comments:			