



***Society of Cable  
Telecommunications  
Engineers***

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**ENGINEERING COMMITTEE  
Interface Practices Subcommittee**

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**AMERICAN NATIONAL STANDARD**

**ANSI/SCTE 98 2009**

**Test Method for  
Withstand Tightening Torque –  
‘F’ Male**

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## **1.0 SCOPE**

To measure the “F” Male interface torque and/or to determine the amount of torque that will cause one or more of the following conditions to occur.

Stripping of the internal threads.

Damage to the male interface.

Failure of the nut hex-flats.

## **2.0 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.

1. ANSI/ASME B18.2.2 (1987): Square and Hex Nuts

## **3.0 INFORMATIVE REFERENCES**

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

1. ANSI/SCTE 123 2006: Specification for “F” Connector, Male, Feed-Through

## **4.0 EQUIPMENT**

- 4.1 Torque test fixture as shown in section 4.6. Note: end shown in diagram is for securing by a bench vice. There are alternative methods for attaching the test fixture to various devices. The intent of the diagram is to provide a uniform dimensional “F” Female port.
- 4.2 If applicable, bench vise of adequate size and strength to hold the test fixture/adapters stationary.
- 4.3 Brass wire brush of sufficient size and strength to clean the threads of the torque test fixture without damage.
- 4.4 Torque Measuring Equipment: Dial Type Open End Torque wrench in dial increments of 5 inch-pounds per division with peak load indicating capability in the range of interest. (CDI No. 3002LDIN or equivalent). Or other common torque