



Figure-106 Conductor flex test fixture

The fixture shall be mounted in a machine that can oscillate the fixture  $\pm 90^\circ$  from the vertical and forces the test segment to flex in the bell mouth of the fixture. The lead test segment shall be mounted to hang vertically under gravity in the holding fixture, oriented in the worst case test condition when the test segment allows multiple orientations.

A load sufficient to assure that the centre line of the test segment conforms to the bending radius shall be attached to the lower end of a thin, flexible line (cord) strung through the test segment, or, for LEAD bodies with no accessible lumen, applied directly to the test segment, so that it conforms to the bending radius.

The fixture shall be oscillated through an angle  $\theta = 90^\circ$ , each side of vertical at a rate of approximately 2 Hz for a minimum of 47 000 cycles.

NOTE: Adjust the centre of rotation between the test fixture and the centre line of the test lead segment so as to minimise vibration.

The test shall be repeated for each unique uniform flexible part of the LEAD body.

Compliance shall be confirmed if the measured resistance of each conduction path is within the manufacturer's specifications (adjusted for the length of the LEAD segment under test), and each conductor is functionally intact as per the manufacturer's performance specification.