



# IPC-TM-650 TEST METHODS MANUAL

## 1 Scope

1.1 This method describes the test procedure required to measure the insulation resistance of flexible flat cable.

## 2.0 Applicable Documents

IPC-TM-650 Test Methods Manual

2.5.25 Dielectric Withstand Voltage, Flexible Flat Cable

## 3 Test Specimen

3.1 The number of production samples shall be determined by the manufacturer and/or user. As a minimum one sample of at least 3 m shall be tested.

3.2 To expedite testing, use the same sample tested in IPC-TM-650, Method 2.5.25.

## 4 Apparatus

4.1 Megohmmeter or megohm bridge capable of 500 volts dc and 5000 megohms

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4.2 A suitable container in which the specimen may be immersed in water

## 5 Procedure

5.1 The specimens from 3.1 and 3.2 shall be immersed, except for 5 cm at each end, in water at room temperature for four hours.

5.2 The specimen shall be tested at 500 volts dc with the conductors maintained negative to the water, and the voltage shall be applied one minute before measuring leakage current.

## 6 Notes

6.1 The specimen shall pass the I.R. of the applicable specifications.