



**TEST METHOD FOR CONDUCTING  
LONGITUDINAL WATER PENETRATION  
RESISTANCE TESTS ON BLOCKED CONDUCTORS**

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**INSULATED CABLE ENGINEERS ASSOCIATION, Inc.**





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RESISTANCE TESTS ON BLOCKED CONDUCTORS*

*Published by*

**Insulated Cable Engineers Association, Inc.**

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## Foreword

This test method for conducting longitudinal water penetration resistance tests on blocked conductors, T-31-610, was developed by the Insulated Cable Engineers Association, Inc. (ICEA). Cable constructions that have a blocked conductor and metallic shield interstices and/or interfaces should be tested to ICEA Publication T-34-664; "Test Method for Conducting Longitudinal Water Penetration Resistance Tests on Longitudinal Water Blocked Cables".

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## **Section 1 GENERAL**

### **1.1 SCOPE**

This test method provides for qualification and production test procedures for determining the effectiveness of water blocking components incorporated into the interstices of the stranded and insulated conductor as an impediment to longitudinal water penetration into the conductor. Cables qualified under previous editions of T-31-610 do not need to be retested.