



CERTIFICATE OF ACCREDITATION

The ANSI National Accreditation Board

Hereby attests that

M.I. Cable Technologies Inc.
Bay 6, 5905 – 11 St. S.E.
Calgary, Alberta T2H 2A6

Fulfills the requirements of

ISO/IEC 17025:2017

In the field of

CALIBRATION

This certificate is valid only when accompanied by a current scope of accreditation document.
The current scope of accreditation can be verified at www.anab.org.

A handwritten signature in black ink, appearing to read 'R. Douglas Leonard Jr.', is positioned above a horizontal line.

R. Douglas Leonard Jr., VP, PILR SBU
Expiry Date: 02 November 2023
Certificate Number: AC-2517



This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017.
This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory
quality management system (refer to joint ISO-ILAC-IAF Communiqué dated April 2017).

SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

M.I. Cable Technologies Inc.
Bay 6, 5905 - 11 St. S.E.
Calgary, Alberta T2H 2A6
Daniel Albert (403) 536-3711

CALIBRATION

Valid to: **November 2, 2023**

Certificate Number: **AC-2517**

Thermodynamic

Parameter/Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method, and/or Equipment
Type T Thermocouples	100 °C 200 °C 280 °C	0.73 °C 0.7 °C 0.82 °C	iPRT standards, electronic cold junctions, Keithley 2750 Multimeter ASTM E220-13 Comparison, MICT Work Instructions
Type T (cryogenic) Thermocouples	-195 °C	1.1 °C	
Thermocouples (Types J & E)	300 °C 500 °C 700 °C	1 °C 1.6 °C 1.8 °C	iPRT and Type-R thermocouple standards, electronic cold junctions, Keithley 2750 Multimeter ASTM E220-13 Comparison, MICT Work Instructions
Thermocouples (Types K & N)	100 °C 300 °C 500 °C 700 °C 1 093 °C 1 200 °C	0.73 °C 1 °C 1.6 °C 1.8 °C 2 °C 2.4 °C	

Calibration and Measurement Capability (CMC) is expressed in terms of the measurement parameter, measurement range, expanded uncertainty of measurement and reference standard, method, and/or equipment. The expanded uncertainty of measurement is expressed as the standard uncertainty of the measurement multiplied by a coverage factor of 2 ($k=2$), corresponding to a confidence level of approximately 95%.

Notes:

1. Calibrations are conducted on internal manufacturing thermocouples and are not provided directly as a third-party vendor.
2. This scope is formatted as part of a single document including Certificate of Accreditation No. AC-2517.



R. Douglas Leonard Jr., VP, PILR SBU