



CERTIFICATE OF ACCREDITATION

ANSI-ASQ National Accreditation Board

500 Montgomery Street, Suite 625, Alexandria, VA 22314, 877-344-3044

This is to certify that

M.I. Cable Technologies Inc.

By 6, 5905 – 11 St. S.E.

Calgary, Alberta T2H 2A6

has been assessed by ANAB
and meets the requirements of international standard

ISO/IEC 17025:2005

while demonstrating technical competence in the field of

CALIBRATION

Refer to the accompanying Scope of Accreditation for information regarding the types of calibrations to which this accreditation applies.

AC-2517

Certificate Number


ANAB Approval

Certificate Valid: 02/08/2018-11/02/2019
Version No. 002 Issued: 02/08/2018



This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005. 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 17025:2005

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, 2019**

Certificate Number: **AC-2517**

Thermodynamic

Parameter/Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method, and/or Equipment	
Type T Thermocouples	100 °C	0.54 °C	iPRT standards, Keithley 2700 ASTM E220-13 Comparison, MICT Work Instructions	
	200 °C	0.69 °C		
	280 °C	0.82 °C		
Type T (cryogenic) Thermocouples	-196 °C	0.91 °C		
Thermocouples (Types J & E)	300 °C	0.87 °C		iPRT and Type-R thermocouple standards, electronic cold junctions, Keithley 2700 ASTM E220-13 Comparison, MICT Work Instructions
	500 °C	1.5 °C		
	700 °C	1.6 °C		
Thermocouples (Types K & N)	100 °C	0.54 °C		
	300 °C	0.87 °C		
	500 °C	1.5 °C		
	700 °C	1.5 °C		
	1 093 °C	2 °C		
	1 200 °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.



Vice President