



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005
& ANSI/NCSL Z540-1-1994

TE WIRE & CABLE
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 Saddle Brook, NJ 07663
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CALIBRATION

Valid To: January 31, 2019

Certificate Number: 2792.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following calibrations¹:

I. Thermodynamics

Parameter/Equipment	Range	CMC ² (±)	Comments
Thermocouple Calibration –			Comparison to:
Type B	(0 to 1400) °C	2.0 °C	Reference thermocouple
Type E	(-196 to 0) °C	0.50 °C	SPRT
	(0 to 38) °C	0.20 °C	SPRT
	(38 to 350) °C	0.40 °C	SPRT
	(350 to 1000) °C	1.1 °C	Reference thermocouple
Type J	(-196 to 0) °C	0.50 °C	SPRT
	(0 to 38) °C	0.22 °C	SPRT
	(38 to 350) °C	0.41 °C	SPRT
	(350 to 760) °C	1.0 °C	Reference thermocouple
Type K & N	(-196 to 0) °C	0.50 °C	SPRT
	(0 to 38) °C	0.23 °C	SPRT
	(38 to 350) °C	0.41 °C	SPRT
	(350 to 1100) °C	1.3 °C	Reference thermocouple
	(1100 to 1400) °C	2.0 °C	Reference thermocouple
Type R & S	(0 to 1400) °C	2.0 °C	Reference thermocouple

Parameter/Equipment	Range	CMC ² (±)	Comments
Thermocouple Calibration (cont) – Type T	(-196 to 0) °C (0 to 38) °C (38 to 350) °C (350 to 400) °C	0.50 °C 0.20 °C 0.40 °C 0.50 °C	SPRT SPRT SPRT Reference thermocouple

¹ This laboratory offers commercial calibration service.

² Calibration and Measurement Capability Uncertainty (CMC) is the smallest uncertainty of measurement that a laboratory can achieve within its scope of accreditation when performing more or less routine calibrations of nearly ideal measurement standards or nearly ideal measuring equipment. CMCs represent expanded uncertainties expressed at approximately the 95 % level of confidence, usually using a coverage factor of $k = 2$. The actual measurement uncertainty of a specific calibration performed by the laboratory may be greater than the CMC due to the behavior of the customer's device and to influences from the circumstances of the specific calibration.



Accredited Laboratory

A2LA has accredited

TE WIRE & CABLE

Saddle Brook, NJ

for technical competence in the field of

Calibration

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005 *General requirements for the competence of testing and calibration laboratories*. This laboratory also meets the requirements of ANSI/NCSL Z540-1-1994 and R205 – Specific Requirements: Calibration Laboratory Accreditation Program. 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 8 January 2009*).



Presented this 8th day of December 2016.

A handwritten signature in black ink, written over a horizontal line.

President and CEO
For the Accreditation Council
Certificate Number 2792.01
Valid to January 31, 2019

For the calibrations to which this accreditation applies, please refer to the laboratory's Calibration Scope of Accreditation.