Certificate of Compliance

Certificate:	1233479	**Master Contract:**	161241
Project:	80270698	**Date Issued:**	2026-05-07
Issued to:	**Chemelex LLC** **899 Broadway Street** **Redwood City, California** **94063** **United States** **Attention:** Amanda White	**Issued by:**	*Ethan Poopalasingam* Ethan Poopalasingam

The products listed below are eligible to bear the CSA Mark shown with adjacent indicators 'C' and 'US' for Canada and US or with adjacent indicator 'US' for US only or without either indicator for Canada only.

PRODUCTS

Class 2878 01 HEATERS - Cable and Cable Sets - For Hazardous Locations
Class 2878 81 HEATERS - For Hazardous Locations-Certified to U.S. Standards

Class I, Div. 1 and 2, Groups A, B, C, D; Class II, Div. 1 and 2, Groups E, F, G; Class III

Parallel self-regulating heating cables for heating of pipe or vessel tracing "XTV" family includes:

Part A

Parallel self-regulating heating cables for heating of pipe or vessel tracing, Type **XTV*-CT where ** indicates watts per foot (4, 5, 8, 10, 12, 15, 20)@10°C (50°F) and * indicates 1 for 120V ac products and 2 for 208-277V ac products; Usage -WS. Maximum continuous operating temperature (trace heater energized) is 121°C, and Min installation temperature is -60°C.

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Electrical Resistance Trace Heater	Temperature Class
4XTV2-CT	T3
5XTV1-CT, 5XTV2-CT	T3
8XTV2-CT	T3
10XTV1-CT, 10XTV2-CT	T3
12XTV2-CT	T3
15XTV1-CT	230°C (T2)
15XTV2-CT	T3
20XTV1-CT	230°C (T2)
20XTV2-CT	240°C (T2)

Part B

Parallel self-regulating heating cables for heating of pipe or vessel tracing, Type **XTVR*-CT where ** indicates watts per foot (3, 5, 8, 10, 12, 15, 20)@10°C (50°F), * indicates 1 for 120V ac products and 2 for 208-277Vac products; Usage -WS. Maximum continuous operating temperature (trace heater energized) is 150°C, and Min installation temperature is -60°C.

Note: Type "XTVR"-CT is part of "XTV" series family with an addition of a new low wattage model 3XTVR2-CT. XTVR models has the same mechanical specification and jacket material as the existing "XTV" models.

Electrical Resistance Trace Heater	Temperature Class
3XTVR2-CT	T3A
5XTVR1-CT, 5XTV2-CT	T3A

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8XTVR2-CT	T3A
10XTVR1-CT, 10XTVR2-CT	T3
12XTVR2-CT	T3
15XTVR1-CT	T2D
15XTVR2-CT	T3
20XTVR1-CT	T2D
20XTVR2-CT	T2D
20XTVR2-CT@ Max 240V	T3

Integral component E-40 and S-40 are permitted and have successfully tested on report 1333271 for XTV-CT which has identical constructions as XTVR-CT.

Termination Kits:

Class I, Div. 1, Groups A, B, C, D; Class II, Div. 1, Groups E, F, G; Class III

HAK-C-100 Connection Kit.

Class I, Div. 2, Gr. A, B, C, D; Class II, Div. 2, Gr. E, F, G; Class III:

JBM-100-A Multiple Power Connection Kit, JBS-100-A Single Entry Power Connection Kit, , JBS-100-L-A and JBM-100-L-A Light Module Connection Kits, JS-100-A Single Entry Power Connection Kit, T-100 Splice/Tee Connection Kit, S-150 Splice Kit, E-150 End Seal Kit, E-100-A End Seal Kit, E-100-L/LR Lighted End Seal Kits, C75-100-A Heating Cable Gland Kit, CS-100 Core Sealer, and HCS-100-A Core Sealer Kit, JBU-100-A, JBU-100-A6 and JBU-100-L-A.

Notes

1. Installation in accordance with the CEC Part I and NEC.
2. Installation instruction sheet provided with each cable set assembly.

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3. The overall hazardous locations designation is determined by the hazardous locations designation of the accessory with the lowest ratings. (e.g. box and/or sealing fitting).

APPLICABLE REQUIREMENTS

Standards Used	Description
CSA C22.2 No. 60079-30-1:17 - Second Edition	Explosive atmospheres - Part 30-1: Electrical resistance trace heating - General and testing requirements
ANSI/UL 60079-30-1:2017	Explosive Atmospheres - Part 30-1: Electrical Resistance Trace Heating - General and Testing Requirements
CSA C22.2 No. 30-M1986	Explosion-Proof Enclosures for Use in Class I Hazardous Locations Industrial Products - General Instruction No 1-2
ANSI/UL 1203:2013 - Third Edition	Explosion-Proof and Dust-Ignition-Proof Electrical Equipment for Use in Hazardous (Classified) Locations
CAN/CSA-C22.2 No. 213-17 + UPD 1 (2018) + UPD 2 (2019) + UPD 3 (2021) (R2022)	Non-incendive Electrical Equipment for Use in Class I and II, Division 2 and Class III, Divisions 1 and 2 Hazardous (Classified) Locations
ANSI/UL 121201:2017 - Ninth Edition	Nonincendive Electrical Equipment for Use in Class I and II, Division 2 and Class III, Divisions 1 and 2 Hazardous (Classified) Locations

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Notes:

Products certified under Class(es) C287801, C287881 have been certified under CSA's ISO/IEC 17065 accreditation with the Standards Council of Canada (SCC). www.scc.ca

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