CERTIFICATE OF CONFORMITY

FM Approvals

1. **HAZARDOUS (CLASSIFIED) LOCATION ELECTRICAL EQUIPMENT PER US REQUIREMENTS**
2. **Certificate No:** **FM18US0149X**
3. **Equipment:**
   (Type Reference and Name) **E-150 End Seal and S-150 Splice Connection Kits**
4. **Name of Listing Company:** **Chemelex LLC**
5. **Address of Listing Company:** **899 Broadway St, Redwood City, California 94063-3104, United States of America**
6. The examination and test results are recorded in confidential report number:

   3008812 dated 19th October 2000

7. FM Approvals LLC, certifies that the equipment described has been found to comply with the following Approval standards and other documents:

   FM 3600:2022, FM 3611:2004, NEMA 250:1991, ANSI/IEEE 515:1997

8. If the sign 'X' is placed after the certificate number, it indicates that the equipment is subject to specific conditions of use specified in the schedule to this certificate.
9. This certificate relates to the design, examination and testing of the products specified herein. The FM Approvals surveillance audit program has further determined that the manufacturing processes and quality control procedures in place are satisfactory to manufacture the product as examined, tested and Approved.
10. Equipment Ratings:

    Suitable for Class I, Division 2, Groups A, B,C and D; Suitable for Class II, Division 2, Groups F and G; and Suitable for Class III, Division 1 hazardous (classified) locations, indoors and outdoors (Type 4x), for use with BTV, QTVR, KTV and XTV Electrical Heat Tracing Cables.

Certificate issued by:

J.E. Marquedant
VP, Manager - Electrical Systems

10 November 2025
Date

To verify the availability of the Approved product, please refer to www.approvalguide.com

THIS CERTIFICATE MAY ONLY BE REPRODUCED IN ITS ENTIRETY AND WITHOUT CHANGE

FM Approvals LLC. One Technology Way, Norwood, MA 02062 USA
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11. The marking of the equipment shall include:

    Class I, Division 2, Groups A, B, C and D T*
    Class II, Division 2, Groups F and G T*
    Class III, Division 1 T*
    Type 4X
    (*) refer to specific conditions of use

12. **Description of Equipment:**

    General - The E-150 is a cold-applied low-profile end seal designed for use with heating cables BTV, QTVR, XTV, and KTV. The S-150 is a cold-applied, low-profile splice for in-line Connections for use with heating cables: BTV, QTVR, XTV, and KTV.

    Ratings - The E-150 is a cold-applied low-profile end seal designed for use with heating cables BTV, QTVR, XTV, and KTV. The E-150 can be used in applications with temperatures ranging from –60°F to 420°F (–50°C to 215°C). The S-150 can be used in applications with temperatures ranging from –60°F to 420°F (–50°C to 215°C).

13. **Specific Conditions of Use:**

    1. Temperature code is based on rating of the BTV, QTVR, KTV and XTV Electrical Heat Tracing Cables for which the connection kits are intended to be used.

14. **Test and Assessment Procedure and Conditions:**

    This Certificate has been issued in accordance with FM Approvals US Certification Requirements.

15. **Schedule Drawings**

    A copy of the technical documentation has been kept by FM Approvals.

16. **Certificate History**

    Details of the supplements to this certificate are described below:

Date	Description
19 October 2000	Original Issue.

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SCHEDULE

US Certificate of Conformity No: FM18US0149X

Date	Description
20 May 2018	Supplement 2: Report Reference: RR214018 dated 20th May 2018 Description of the Change: 1) Name change to nVent Thermal LLC. 2) Updated the year on FM Class 3600 standard to 2018 due to nontechnical changes in its latest edition.
10 November 2025	Supplement 3: Report Reference: RR248415 dated 10 November 2025. Description of the Change(s): Updated to latest format and name changed to Chemelex. Remove zone rating and standards. Updated the year on FM Class 3600 standard to 2022 due to nontechnical changes from 2018 to the 2022 edition.

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