

Certificate of Compliance

Certificate: 1233495

Master Contract: 161241 (LR 33381)

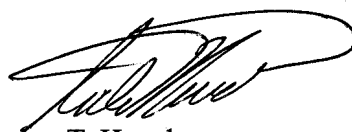
Project: 1233495

Date Issued: August 31, 2001

Issued to: Tyco Thermal Controls LLC
M/S R51/1A
300 Constitution Drive
Menlo Park, CA 94025
USA
Attention: Mr. Wayne Williams

The products listed below are eligible to bear the CSA Mark shown




Issued by: T. Hamden


Authorized by: Brian Rossborough
Operations Manager

PRODUCTS

CLASS 2878 01 - HEATERS - Cable and Cable Sets - For Hazardous Locations

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, desig. 3A, 3B, 3C, 5A, 5B, **BTV*-CT where ** indicates watts per foot (min 3, max 10) and * indicates 1 for 120V product and 2 for 208-277V; max temp 65°C (150°F).

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

Parallel self-regulating heating cables for heating of pipe or vessel tracing, desig. 3A, 3B, 3C, 5A, 5B, **BTV*-CR where ** indicates watts per foot (min 3, max 10) and * indicates 1 for 120V product and 2 for 208-277V; max temp 65°C (150°F).

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



CSA INTERNATIONAL

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Class I, Div. 2, Gr. A, B, C, D; Class II, Div. 1 & 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.

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

PMKG-JLP, PMKG-J2LP and AMG-BC-III Power Connection Kits, PMKG-LS and AMG-BS-III Splice Kits, PMKG-LT and AMG-BY-III Tee Kit; and PMKG-LE End Seal Kit.

APPLICABLE REQUIREMENTS

- CAN/CSA-C22.2 No. 130.1-M90 - Heat-tracing Cable Systems for Use in Industrial Locations
- CSA Std C22.2 No. 138-M1989 - Heat Tracing Cable and Cable Sets for Use in Hazardous Locations
- IEEE Std. 515-1989 - Practice for the Testing, Design, Installation and Maintenance of Electrical Resistance Heat Tracing for Industrial Applications



CSA INTERNATIONAL

Supplement to Certificate of Compliance

Certificate: 1233495 (LR 33381-27)

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*The products listed, including the latest revision described below,
are eligible to be marked in accordance with the referenced Certificate.*

Product Certification History

Project	Date	Description
1233495	Aug-31-2001	Re-issue BTV-CR and BTV-CT report.
-105-DT5	Mar-19-1999	8BTV changed to 10BTV category.
-97	Dec-7-1995	Alternate fluoropolymer for -CT outer jacket construction.
-77	Dec-21-1992	Added Designation 5A, 5B.
-65	Feb-17-1987	Additional wattage ratings for Division 1 BTV-CT Heating Cables.
-59	Aug-14-1986	Compliance to CSA Std. C22.2 No. 138-M1983; add 208/277 Voltage ratings.
-45	Aug-14-1986	Alternate construction/revised markings for Div. 1 cable and components.
-43	Apr-10-1984	Div. 1 Certification for BTV-CT Heating Cables and components.
-34	June-17-1982	5BTV1, 2-C, -CR, -CT.
-30	Feb-9-1982	10BTV1, 2-C, -CR, -CT.
-27	Oct-20-1981	8BTV1, 2-C, -CR, -CT.