



1 **EC TYPE-EXAMINATION CERTIFICATE**

2 Equipment intended for use in Potentially Explosive Atmospheres Directive 94/9/EC

3 Certificate Number: **Sira 08ATEX3096X** Issue: **0**

4 Equipment: **Trace Heating Cable Systems**

5 Applicant: **Heat Trace Limited**

6 Address: Meres Edge
Chester Road
Helsby
Frodsham
Cheshire WA6 0DJ
UK

7 This equipment and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

8 Sira Certification Service, notified body number 0518 in accordance with Article 9 of Directive 94/9/EC of 23 March 1994, certifies that this equipment has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment intended for use in potentially explosive atmospheres given in Annex II to the Directive.

The examination and test results are recorded in the confidential reports listed in Section 14.2.

9 Compliance with the Essential Health and Safety Requirements, with the exception of those listed in the schedule to this certificate, has been assured with reference to the following documents:

EN 50014:1997 (A1 and A2)	EN 60079-0:2004	EN 50281-1-1:1998 + Amendment 1
EN 50019:2000	EN 60079-7:2003	IEC 62086-1:2001

10 If the sign 'X' is placed after the certificate number, it indicates that the equipment is subject to special conditions for safe use specified in the schedule to this certificate.

11 This EC type-examination certificate relates only to the design and construction of the specified equipment. If applicable, further requirements of this Directive apply to the manufacture and supply of this equipment.

12 The marking of the equipment shall include the following:

Not applicable, the items used in the construction of these Systems are individually marked and determine how the System shall be used, refer to special condition for safe use clause 15.1.

Project Number 51A17837
C. Index 06


C Ellaby
Certification Officer

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SCHEDULE

EC TYPE-EXAMINATION CERTIFICATE

Sira 08ATEX3096X
Issue 0

13 DESCRIPTION OF EQUIPMENT

The systems covered by this certificate comprise various trace heating cables together with End Termination Kits, Strip Free Kits, Direct Entry Sealed Termination Units and Cable Glands.

Heat Trace Cables:

FREEZSTOP Micro (Sira 02ATEX3075)
FREEZSTOP Lite (Sira 02ATEX3074)
FREEZSTOP Regular (Sira 02ATEX3070)
FREEZSTOP Extra (Sira 02ATEX3076)
FREEZSTOP Extra Wide (Sira 02ATEX3076)
FREEZSTOP Plus (Sira 02ATEX3071)
FREEZSTOP Plus Wide (Sira 02ATEX3071)
FREEZSTOP Super (FSS-C/N: Sira 02ATEX3073X) and (FSS-C/NF: Sira 02ATEX3072)
FREEZSTOP Ultimo (FSU-N: Sira 02ATEX3073X) and (FSU-NF: Sira 02ATEX3072)
FREEZSTOP Low Voltage -FSLE Style (Sira 02ATEX3074)
FREEZSTOP Low Voltage - FLV Style (Sira 02ATEX3070)
POWERHEAT PHT (Sira 02ATEX3078)
POWERHEAT AHT (Sira 02ATEX3079)
MINITRACER MTFJ (Sira 02ATEX3077).

End Termination Kits:

Silicone Rubber (BPS1, BPS 2, BES1, BES2, and BES3)
Heat Shrink (HPS2 and HES2).

Strip Free Kits:

Power (Sira 05ATEX3293X)
T Splice (Sira 05ATEX3293X)
End Seal [SF-E(Blue) and SF-E (Red)] (Sira 05ATEX3099U).

Direct Entry Sealed Termination Units:

DESTU [DS1, DS4 and DS5] (Sira 02ATEX3081U)

Cable Glands:

Brass (Sira 01ATEX1270X)
Plastic (ZELM 04ATEX0237X)



Heat Trace Cable System												
Product Family	Cable Ref	Silicone Rubber		Heat Shrink		Glands		Strip Free				DESTU (Sira 02ATEX3081U)
		Power End Kit	End Seal Kit	Power End Kit	End Seal Kit	Plastic (Zelm 04ATEX237X)	Brass (Sira 01ATEX1270X)	Power	T Splice	ATEX SF-P/T (Sira 04ATEX3293X)	SF-E End Seal Ref. (Sira 05ATEX3099U)	Seal
FREEZSTOP Micro (Sira 02ATEX3075)	FSM-C	BPS1	BES1	HPS2	HES2	PGS1	BGS1	X	X	X	X	DS4
	FSM-CT	BPS1	BES2	HPS2	HES2	PGS1	BGS1	ü	ü	X	SF-4(Blue)	DS5
	FSM-CF	BPS1	BES2	HPS2	HES2	PGS1	BGS1	ü	ü	X	SF-4(Blue)	DS5
FREEZSTOP Lite (Sira 02ATEX3074)	FSLe-C	BPS1	BES1	HPS2	HES2	PGS1	BGS1	X	X	ü	X	DS4
	FSLe-CT	BPS1	BES2	HPS2	HES2	PGS1	BGS1	ü	ü	ü	SF-4(Blue)	DS5
	FSLe-CF	BPS1	BES2	HPS2	HES2	PGS1	BGS1	ü	ü	ü	SF-4(Blue)	DS5
FREEZSTOP Regular (Sira 02ATEX3070)	FSR-C	BPS2	BES2	HPS2	HES2	PGS3	BGS3	X	X	ü	X	DS4
	FSR-CT	BPS2	BES3	HPS2	HES2	PGS3	BGS3	ü	ü	ü	SF-4(Red)	DS5
	FSR-CF	BPS2	BES3	HPS2	HES2	PGS3	BGS3	ü	ü	ü	SF-4(Red)	DS5
FREEZSTOP Extra (Sira 02ATEX3076)	FSE-C	BPS2	BES2	HPS2	HES2	PGS3	BGS3	X	X	ü	X	DS4
	FSE-CT	BPS2	BES3	HPS2	HES2	PGS3	BGS3	ü	ü	ü	SF-4(Red)	DS5
	FSE-CF	BPS2	BES3	HPS2	HES2	PGS3	BGS3	ü	ü	ü	SF-4(Red)	DS5
FREEZSTOP Extra (Wide) (Sira 02ATEX3076)	FSE(w)-C	BPS2	BES2	HPS2	HES2	PGS5	X	X	X	ü	X	DS5
	FSE(w)-CT	BPS2	BES3	HPS2	HES2	PGS5	X	ü	ü	ü	SF-4(Red)	DS5
	FSE(w)-CF	BPS2	BES3	HPS2	HES2	PGS5	X	ü	ü	ü	SF-4(Red)	DS5
FREEZSTOP Plus (Sira 02ATEX3071)	FSP-C	BPS2	BES2	HPS2	HES2	PGS1	BGS1	X	X	ü	X	DS4
	FSP-CT	BPS2	BES3	HPS2	HES2	PGS1	BGS1	ü	ü	ü	SF-4(Red)	DS5
	FSP-CF	BPS2	BES3	HPS2	HES2	PGS1	BGS1	ü	ü	ü	SF-4(Red)	DS5
FREEZSTOP Plus (Wide) (Sira 02ATEX3071)	FSP(w)-C	BPS2	BES2	HPS2	HES2	PGS5	X	X	X	ü	X	DS5
	FSP(w)-CT	BPS2	BES3	HPS2	HES2	PGS5	X	ü	ü	ü	SF-4(Red)	DS5
	FSP(w)-CF	BPS2	BES3	HPS2	HES2	PGS5	X	ü	ü	ü	SF-4(Red)	DS5
FREEZSTOP Super (Sira 02ATEX3073X)	FSS-C/N	BPS1	BES1	HPS2	HES2	PGS3	BGS3	X	X	ü	X	DS4
FREEZSTOP Super (Sira 02ATEX3072)	FSS-C/NF	BPS2	BES3	HPS2	HES2	PGS3	BGS3	ü	ü	ü	SF-4(Red)	DS5
FREEZSTOP Ultimo (Sira 02ATEX3073X)	FSU-N	BPS1	BES1	HPS2	HES2	PGS3	BGS3	X	X	ü	X	DS4
FREEZSTOP Ultimo (Sira 02ATEX3072)	FSU-NF	BPS2	BES3	HPS2	HES2	PGS3	BGS3	ü	ü	ü	SF-4(Red)	DS5
FREEZSTOP Low Voltage (FSLE Style) (Sira 02ATEX3074)	FLV-C	BPS1	BES1	HPS2	HES2	PGS1	BGS1	X	X	ü	X	DS4
	FLV-CT	BPS1	BES2	HPS2	HES2	PGS1	BGS1	ü	ü	ü	SF-4(Blue)	DS5
	FLV-CF	BPS1	BES2	HPS2	HES2	PGS1	BGS1	ü	ü	ü	SF-4(Blue)	DS5
FREEZSTOP Low Voltage (Wide) - (FSR Style) (Sira 02ATEX3070)	FLVw-C	BPS2	BES2	HPS2	HES2	PGS3	BGS3	X	X	ü	X	DS4
	FLVw-CT	BPS2	BES3	HPS2	HES2	PGS3	BGS3	ü	ü	ü	SF-4(Red)	DS5
	FLVw-CF	BPS2	BES3	HPS2	HES2	PGS3	BGS3	ü	ü	ü	SF-4(Red)	DS5
POWERHEAT PHT (Sira 02ATEX3078)	PHT-N	BPS2	BES2	HPS2	HES2	PGS1	BGS1	X	X	X	X	DS4
	PHT-NF	BPS2	BES3	HPS2	HES2	PGS1	BGS1	X	X	X	X	DS5
POWERHEAT AHT (Sira 02ATEX3079)	AHT	BPS3	BES3	HPS2	HES2	PGS1	BGS1	X	X	X	X	DS4
MINITRACER MTFJ (Sira 02ATEX3077)	MTFJ-C	BPS1	BES1	HPS2	HES2	PGS1	BGS1	X	X	X	X	DS4
	MTFJ-CF	BPS1	BES2	HPS2	HES2	PGS1	BGS1	X	X	X	X	DS5

Project Number 51A17837
C. Index 06

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14 DESCRIPTIVE DOCUMENTS

14.1 Drawings

Refer to Certificate Annexe.

14.2 Associated Sira Reports and Certificate History

Issue	Date	File/Report no.	Comment
0	22 May 2008	R51A17837A	The release of the prime certificate.

15 SPECIAL CONDITIONS FOR SAFE USE (denoted by X after the certificate number)

15.1 Since these Trace Heating Cable Systems are not marked in their own right, the marking that is applicable to the associated, previously certified cables and devices determines how these systems shall be used, therefore, the user/installer shall not install these Systems in a situation where any previously certified item used in their construction is not suitable.

15.2 The user/installer shall install these Trace Heating Cable Systems taking into account any restrictions or special conditions for safe use that are applicable to the previously certified cables and devices that are used in their construction.

15.3 Trace Heating Cable Systems installed in accordance with this certificate shall be marked in a prominent, visible position e.g. at the point of termination, with a label that displays this certificate number.

16 ESSENTIAL HEALTH AND SAFETY REQUIREMENTS OF ANNEX II (EHSRs)

The relevant EHSRs that are not addressed by the standards listed in this certificate have been identified and individually assessed in the reports listed in Section 14.2.

17 CONDITIONS OF CERTIFICATION

17.1 The use of this certificate is subject to the Regulations Applicable to Holders of Sira Certificates.

17.2 Holders of EC type-examination certificates are required to comply with the production control requirements defined in Article 8 of directive 94/9/EC.

17.3 The manufacturer shall take all reasonable steps to ensure that the user/installer complies with the special conditions for certification associated with these Trace Heating Cable Systems, in addition, the manufacturer shall provide the user/installer with an appropriate copy of the certificate for each certified cable and device that is used in their construction.

17.4 The manufacturer shall supply a legible and durable label bearing this certificate number for Trace Heating Cable Systems that are installed in accordance with this document.

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Certificate Annexe

Certificate Number: Sira 08ATEX3096X
Equipment: Trace Heating Cable Systems
Applicant: Heat Trace Limited



Issue 0

Number	Sheet	Rev.	Date (Sira stamp)	Description
Heat Trace Cable System	1 of 1	A	20 May 08	Spreadsheet showing the various combinations of self-regulating and constant wattage type cables in the heat trace range with various ancillaries

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