1 # UK-TYPE EXAMINATION CERTIFICATE

2 **Component Intended for use on/in a Product or Protective System Intended for use in Potentially Explosive Atmospheres**
UKSI 2016:1107 (as amended) – Schedule 3A, Part 1

3 UK-Type Examination Certificate Number: **BAS21UKEX0522U Issue 2**

4 Product: **Type XPI Trace Heating Cable**

5 Manufacturer: **Chemelex Belgium NV**

6 Address: **Romeinse straat 14, 3001 Leuven, Belgium**

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

8 SGS United Kingdom Ltd. (formerly SGS Baseefa Ltd.), Approved Body number 1180, in accordance with Regulations 42 and 43 of the Equipment and Protective Systems Intended for Use in Potentially Explosive Atmospheres Regulations 2016, UKSI 2016:1107 (as amended), certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres given in Schedule 1 of the Regulations.

8.1 The BAS prefix to the Certificate Number indicates that the certificate was issued by SGS Baseefa Ltd. prior to the name change to SGS United Kingdom Ltd. Such certificates remain valid with their original number.

The examination and test results are recorded in a confidential report identified in the revision table at item 20.

9 Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

EN IEC 60079-0:2018 EN 60079-30-1:2017

except in respect of those requirements listed at item 18 of the Schedule.
This certificate issue is for the sole purpose of recording a change to the certificate holder's name/address. A technical review has not been undertaken and the standards remain at the editions listed previously.

10 The sign "U" is placed after the certificate number. It indicates that this certificate must not be mistaken for a certificate intended for an equipment or protective system. This partial certification may be used as the basis for certification of an equipment or protective system.

11 This UK-TYPE EXAMINATION CERTIFICATE relates only to the design and construction of the specified product. Further requirements of the Regulations apply to the manufacturing process and supply of this product. These are not covered by this certificate.

12 The marking of the product shall include the following:

Ex **II 2 GD Ex 60079-30-1 IIC Gb Ex 60079-30-1 IIIC Db Tmin -*°C (*see schedule)**

SGS Customer Reference No. **5034** Project File No. **25/0112**

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UKAS PRODUCT CERTIFICATION
0191

D BREARLEY
LEAD CERTIFICATION ENGINEER
On behalf of SGS United Kingdom Limited

13 # Schedule

14 ## Certificate Number BAS21UKEX0522U – Issue 2

15 Description of Product

The Type XPI Trace Heating Cable is typically used for heating applications such as freeze protection and temperature maintenance of tanks, vessels, pipes, etc in potentially explosive atmospheres or in unclassified areas.

The XPI and XPI-S Cables are rated up to 450V phase to neutral or 750V phase to phase. The XPI and XPI-S Cable resistance value ranges between 0.8 and 8000 Ω/km at 20°C.

The XPI-F Cable is rated up to 300V phase to neutral or 500V phase to phase. The XPI-F Cable resistance value ranges between 1.8 and 200 Ω/km at 20°C.

The XPI, XPI-S and XPI-F Cables consist of a heating conductor core, a primary insulation, a protective metallic braid and a non-metallic outer jacket.

The maximum continuous withstand temperature is +260°C for the XPI and XPI-S Cables and +90°C for XPI-F Cable. The minimum ambient temperature for installation is -70°C for the XPI and XPI-S Cables and -60°C for the XPI-F Cable.

The marking on the cable includes the variable information as follows:

<Brand>

<Product Description>

<Resistance at +20°C>

<Batch Number>

<Year of Manufacture>

The optional -S indicates suitability of the cable for areas with normal risk of mechanical damage whereas the plain XPI cable, or the XPI-F cable, indicates the suitability of the cable for areas with low risk of mechanical damage. The four digit suffix indicates the resistance of the heating conductor in Ohms per km at 20°C.

16 Report Number

See Item 20 – Certificate History

17 Schedule of Limitations

1. The maximum continuous withstand temperature for the XPI- and XPI-S- cable is +260°C and for the XPI-F- cable +90°C.
2. The maximum supply voltage for the XPI cable is shown in the component description.
3. The minimum installation temperature is -70°C for the XPI- and XPI-S- cable and -60°C for the XPI-F- cable.
4. The minimum cable spacing must not be less than 20mm.
5. The minimum bend radius is 2.5x the cable diameter for cables less than or equal to 6mm in diameter or the minimum bend radius is 6x the cable diameter for cables greater than 6mm in diameter.
6. The XPI- or XPI-F- cable is for use in areas with low risk of mechanical damage, therefore appropriate installation consideration shall be taken. The XPI-S- is for use in areas with normal risk of mechanical damage.

18 Essential Health and Safety Requirements

In addition to the Essential Health and Safety Requirements (EHSRs) covered by the standards listed at item 9, the following are considered relevant to this product, and conformity is demonstrated in the report:

Clause	Subject
13	LVD type requirements
14	Overloading of equipment (protection relays, etc.)

Clause	Subject
21 (1)	External effects
21 (2)	Aggressive substances, etc.

19 Drawings and Documents

Other than for Issue 0, Drawings and Documents that are introduced at a new edition of the certificate are marked with an asterisk symbol:

Number	Sheet	Issue	Date	Description
K-21070420-02[i]	1 of 1	E	22/01/2024	XPI-F Construction Drawing
K-20170617-15[i]	1 of 1	F	20/06/2024	XPI-(S) Typical Construction Drawing
Baseefa15ATEX0158U				

i) These drawings are common to IECEx BAS 15.0105U and Baseefa15ATEX0158U.

20 Certificate History

Certificate No.	Date	Comments
BAS21UKEX0522U Issue 0	4 June 2024	**Prime Certificate** **Report Number: GB/SGS/ExTR24.0068/00** **Project Number: 21/0319** **Original issue of the certificate**
BAS21UKEX0522U Issue 1	30 August 2024	To introduce an alternative inner insulation material for the XPI and XPI-S heating cables. Report Number: GB/SGS/ExTR24.0120/00 Project Number: 24/0175
BAS21UKEX0522U Issue 2	19 November 2025	The issue of this certificate permits existing information (for example on Certificate Schedule Drawings or label marking) to be updated to show the new name/address, no other changes may be made to the certified design. A technical review has not been undertaken, and the standards remain at the editions listed previously. Report Number: None Project Number: 25/0112
For drawings applicable to each issue, see original of that issue.		