



国家防爆

Electrical Apparatus for Explosive Atmospheres

# CERTIFICATE OF CONFORMITY

Cert. No.: CNEx19.1555U

**Manufacturer** Heat Trace Limited  
Mere' s Edge, Chester Road, Helsby, Frodsham WA6 0DJ, UK  
**Name of Product** Freezstop Regular (FSR) Self Regulating Heating Cables  
**Type of Product** FSR Series 230VAC  
**Marking** Ex e IIC T6 Gb/Ex tD A21 IP67 T85°C  
Ex e IIC T4 Gb/Ex tD A21 IP67 T135°C  
**Standard** \_\_\_\_\_  
**Drawing No.** HC2750/0

The drawings, technical documents and the samples are verified and certified according to standard(s) for safety as below:

GB 3836.1-2010 Explosive atmospheres - Part 1: Equipment - General requirements.  
GB 3836.3-2010 Explosive atmospheres - Part 3: Equipment protection by increased safety "e".  
GB12476.1-2013 Electrical apparatus for use in the presence of combustible dust - Part1: General requirements.  
GB12476.5-2013 Electrical apparatus for use in the presence of combustible dust — Part5: Protection by enclosures "tD".  
GB/T19518.1-2017 Explosive atmospheres—Electrical resistance traces heating—Part 1: General and testing requirements.

**Note**

1.This certificate shall stand for the following products:

10FSR 10W/m, 17FSR 17W/m, 25FSR 25W/m, 31FSR 31W/m

Marking: Ex e IIC T6 Gb/Ex tD A21 IP67 T85°C (Applicable for products rated up to 40 W/m and for nominally rated 230 V products up to 31 W/m powered up to a maximum 277 V)

40FSR 40W/m

Marking: Ex e IIC T4 Gb/Ex tD A21 IP67 T135°C (Applicable for products rated above 40 W/m and for nominally rated 230 V products above 31 W/m powered up to a maximum 277 V)

2.According to the manufacturer's installation instructions, this product need to use the cable entry device of suitable certification and the junction box connected to the power supply end. The end termination can be processed using any suitable certified terminal seal, so that the conductive core can be fully insulated and sealed.

3. This product has been certified, under certificate number Sira 02ATEX3070 Issue: 10.

**Valid Date** From April 8, 2019 to April 7, 2024

**Issue Date** April 8, 2019

**Director**

王军



CHINA NATIONAL QUALITY SUPERVISION AND TEST CENTRE  
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Note: This certificate is only valid for the products which identify with the sample(s) tested and verified. Holder(s) of this certificate have the responsibility to ensure the products complying with relevant standard(s).

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