

无机矿物绝缘电加热带(MI型电热带)

Inorganic mineral insulated electricheating tape (MI typeelectric heating tape)

无机矿物绝缘电热带

该电热带由连续、无缝的金属护套, 单根或多根电阻 发热芯和紧密压实的氧化镁绝缘层构成。在强腐蚀场所使用, 可外加F46氟塑料,或PVC外护套。

产品结构示意图 Structure diagram



Inorganic mineral insulating electric heating tape

The electric heating tape is consist of successive, seamless metal sheath, one or several resistance heating core and compacted magnesia insulation. F46 fluoroplastic or PVC sheath canbe added under the circumstance of strong corrosion.

无机矿物绝缘加热元件

矿物绝缘加热元件由中间段的加热电缆、两端冷端电缆、 连接器及终端组成, 可方便地接入电源。此个根据使用 需要可将加热元件制成各种形状, 加热电缆和冷端电缆 通过连接器焊接而成。

Inorganic mineral insulation heating element

The component of the inorganic mineral insulating heatconsists the middle part, heating cable, and the twoends, cold cable, and the coupler, and terminal, and can beconnected with the electricity power easily. The heatingcomponents can be made in various shapes in accordancewith the using requirement, while the heating and coldcables can be connected by the coupler.



1.终端 Terminal

2.冷端 The cold end

3.连接器 The connector 4.加热元件 the heating component

型号说明 Type explanation

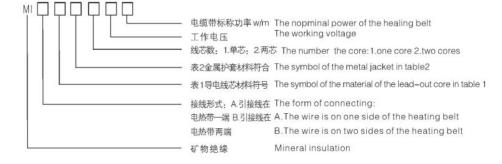


表2金属护套材料表 Table 2; the material of metal sheati

护囊材料 Sheath mailerial	代码 Code	最高使用温度 Maximum operating temperature
ffl Copper	T	250°C
铜锰合金 Copper manganese alloy	В	350°C
不锈钢 stainless steel	К	2°008
因科镍 600 Inconel 600	Y	800°C
因科镍 800 Inconel 800	R	800°C

产品特点

选用便利

结构尺寸,系统可以用于任何特殊地表,如泵体、 混凝土、凝土路面、沥青路面、石子路面。

节能

电缆的容抗和感抗很低,因此具有较高的功率特 性,比空气调节器节能30%。在800℃以下的温度范围 内均可使用,湿挖精度可达到±5℃。

寿命长

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自控温加热电缆

由于构成电缆的材料所固有的特性,可保证电缆 具有稳定性、长寿命,正常情况下,该电缆可使用40年

机械强度官

该电缆坚固耐用, 可经受激烈的机械破坏而不损 伤其电性能。在电缆外径变形到三分之一的情况下仍可 正常工作。

Characteristics

Convenient use:
Thanks to the various sizes,the system can apply to special field, such as pump, concrete roads, asphalt ds cobblestone road.

roads cobbissions road. Saving energy Cable capacitive reactance and inductive reactance is quite tow, thus it has comparatively high power, which saves 30% more energy than all conditioning instrument. It can be used under the temperature of 800%, and its temperature—control precision can reach $\pm 5\%$.

Feach a D. Longevity
The cable materials intrinsic attributes guarantee the stability and longevity of the cable, it can be used over 40 years under the normal circumstance, which saves up maintaince and human resource of repatring.

High mechanical strength
The cable is sturdy and durable, it can undergo violently
chanical darnage without injuring the electrical function,
an normally work even 1/3 of outer diameterhas distorted.

不可燃 由于组成电缆的材料都是无机物,决定了电缆 不可能燃烧或者助燃,在火灾条件下仍可继续运行, 而且不会产生任何有害气体。

高不渗透 连续的无缝金属护套,紧密压实的氧化镁绝缘 材料和加热导体组成紧实的实心结构,可经受巨大的

安全可靠

电缆的高绝缘、高不渗透性及系统全面保护措 施,使整个系统的运行更加安全可靠。

产品执行标准

加热最高温度低于250℃的加热电缆执行IEC 80800-2009《藜定300/500V生活设施加热和防结冰用 加热电缆》,超过250℃的加热电缆执行企业标准。

加熱电視・加速200 (mj lum 电弧(f))

产品检验参数

长度: ±10%

电气性能

电周位公差: ±10%

介电性能

一加熱电缆測述: 1500VAC/1 min

一加粉元件附近: 1200VAC/1 min

珍雄中間:

绝缘电阻: 一成品测试: 100MW/500VDC 护套连续性:

连续性: 整根电缆(包括接头)浸没在水中12小时后测

试验练电阻,我做至少感费为100M (2500VDC) 为正确选择符合使用要求的加热电缆元件,必 预验证负荷,选择合适的线芯材料。计算芯线电阻。考 虑电阻值随温度的变化情况确定护囊材料。

用户所需提供的数据

加热介质

介质温度限值,加热温度及介质初始温度。

1. 最冷日平均温度, 2. 使用条件

High and tightness

rign and tightness. The cable can completely immerse in the water due the successively seamless metal jacket or used in summ, pressure jaces. It solves the problem of seing—wall at the same time. Safty and reliability.

The system can be more safe and reliable by cable in insulation, high impermeability and comprehensive tection.

Executive standard

Heating cable which maximum heating temperature under 250°C implements the standard IEC60800-2009. The heating cable which temperature over 250°C implements enterprise standard.

Product inspection parameter

Product inspection parameter
Length: a 10%
Electrical performance
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The data offered by customer:

Heating medium

Medium temperature limit, the heating and the initia temperature of medium

Ambient condition 1. Average temperature of the coldest day 2. Service condition.

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