STS HT Skin-Effect Tracing Wire

nVent RAYCHEM STS-HT Skin Effect Trace Heating Wires provide freeze protection and process temperature maintenance for embedded or long pipeline applications. Circuit lengths up to 7.8 miles/12.5 km are possible, minimizing the number of connection and power source locations. Suitable for applications up to 500 °F/260 °C and approved for use in hazardous and non-hazardous locations. The fluoropolymer outer jacket is ideal for heating pipelines transporting materials such as sulphur and asphalt.

FEATURES

- Custom engineered design, depending on the unique application type
- Safe and efficient in operation: fully grounded system with zero electrical potential on pipe surfaces, can be used in Class 1 Division 2 and Zone 2 hazardous areas
- Long circuit lengths (up to 7.8 miles/12.5 km), minimize operating and installation costs by reducing the required number of power supply points
- Advanced control systems with multiple temperature inputs to adequately monitor and control longline heat tracing
- Reliable during long life: entire circuit is encapsulated within rugged heat tubes and steel boxes

SPECIFICATIONS

Max Power Output:	150 W/m
Max Maintain or Continuous Exposure Temperature, Power On:	260 °C
Min Installation Temperature:	-55 °C
Supply Voltage:	0 – 2400 V
Outer Jacket Material:	Fluoropolymer
Area Classification:	Non-Hazardous; Hazardous
Ground Path Type:	None

Table 1/1

Catalog Number	Item Name	Nominal Cable Weight	Outer Diameter	AWG Size	Min Bending Radius @ -55°C
P000001475	STS-HT/13.25-WIRE	233 g/m	9.9 mm	6	60 mm
P000000635	STS-HT/21.25-WIRE	333 g/m	11.2 mm	4	77 mm

Catalog Number	Item Name	Nominal Cable Weight	Outer Diameter	AWG Size	Min Bending Radius @ -55°C
P000001474	STS-HT/33.25-WIRE	500 g/m	13.2 mm	2	84 mm

WARNING

nVent products shall be installed and used only as indicated in nVent's product instruction sheets and training materials. Instruction sheets are available at www.nvent.com and from your nVent customer service representative. Improper installation, misuse, misapplication or other failure to completely follow nVent's instructions and warnings may cause product malfunction, property damage, serious bodily injury and death and/or void your warranty.

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