STS HV Skin-Effect Tracing Wire

nVent RAYCHEM STS-HV tracing wire is made specifically for medium temperature STS Trace Heating applications and is ideal for long pipeline applications where access to power connection and power source locations are limited. STS-HV tracing wire allows circuit lengths up to 50 km (31 miles) between power connection points and is approved for use in hazardous and non-hazardous locations. Suitable for applications up to a maximum 302 °F/150 °C and approved for use in hazardous and non-hazardous locations, the Silicone outer jacket is ideal for heating pipelines transporting materials such as crude oil and VGO.

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 31 miles/50 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

Table 1/2

Catalog Number	Item Name	Supply Voltage	Max Power Output	Max Maintain or Continuous Exposure Temperature, Power On	Outer Jacket Material	Ground Path Type
1244-022564	STS-HV/21.100-WIRE #4AWG	0 – 10000 V	70 W/m	150 °C	Silicone	None

Table 2/2

Catalog Number	Item Name	Area Classification	Min Installation Temperature	Nominal Cable Weight	Min Bending Radius @ -55°C	AWG Size
1244-022564	STS-HV/21.100-WIRE #4AWG	Non-Hazardous, Hazardous	-55 °C	482 g/m	51 mm	#4

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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