

MI Series SS321 HSQ Heating Cable



nVent RAYCHEM HSQ stainless steel (321) sheathed mineral insulated (MI) series resistance trace heating cables provide freeze protection and process temperature maintenance. They can be used for exposure temperatures up to 700 °C (joint dependent) and typical power outputs up to 150 W/m. 321 stainless steel sheath offers high corrosion resistance to a wide range of organic acids and alkalis. Approved for use in hazardous areas. Available 'fast track' as configured heating units.

FEATURES

Reduced total installed cost

Reduced power supply costs: lower start up currents compared with other technologies

Simple controls: current monitoring on series resistance provides instant visibility on critical circuits

Fast track/expedited service for configured heating units for eligible designs

Standard 550 °C continuous withstand temperature, with braze weld technology

Optional 700 °C continuous withstand temperature, with laser welded technology

High corrosion resistance to a wide range of organic acids and alkalis

SPECIFICATIONS

Max Power Output:	150 W/m
Sheath Material:	321 Stainless Steel
Max Continuous Exposure Temperature, Power Off:	680 °C
Min Installation Temperature:	-60 °C
Supply Voltage:	0 – 500 V
Area Classification:	Non-Hazardous; Hazardous
Insulation Material:	Magnesium Oxide

Table 1/1

Catalog Number	E-Number	Nominal Resistance @ 20°C	Outer Diameter
HSQ1M10K	0430831	10000 Ω/km	3.2 mm
HSQ1M4000	0430837	4000 Ω/km	3.2 mm

Catalog Number	E-Number	Nominal Resistance @ 20°C	Outer Diameter
HSQ1M6300	0430839	6300 Ω/km	3.2 mm
HSQ1M2500	0430835	2500 Ω/km	3.4 mm
HSQ1M1600	0430833	1600 Ω/km	3.6 mm
HSQ1M1000	0430830	1000 Ω/km	3.9 mm
HSQ1M160	0430832	160 Ω/km	6.5 mm
HSQ1M630	0430838	630 Ω/km	4.3 mm
HSQ1M400	0430836	400 Ω/km	4.7 mm
HSQ1M250	0430834	250 Ω/km	5.3 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.

North America

Tel +1.800.545.6258
Fax +1.800.527.5703
thermal.info@nvent.com

Europe, Middle East, Africa

Tel +32.16.213.511
Fax +32.16.213.604
thermal.info@nvent.com

Asia Pacific

Tel +86.21.2412.1688
Fax +86.21.5426.3167
cn.thermal.info@nvent.com

Latin America

Tel +1.713.868.4800
Fax +1.713.868.2333
thermal.info@nvent.com

Our powerful portfolio of brands:

RAYCHEM PYROTENAX TRACER NUHEAT