

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 & BENEFITS

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

Supply Voltage 0 – 500 V

Max Power Output 150 W/m

Max Continuous Exposure Temperature, Power Off 700 °C

Insulation Material Magnesium Oxide

Sheath Material 321 Stainless Steel

Area Classification Non-Hazardous; Hazardous

Min Installation Temperature -60 °C

Table 1/1

Catalog Number	Nominal Resistance @ 20°C	Outer Diameter
HSQ1M1000	1000 Ω/km	3.9 mm
HSQ1M10K	10000 Ω/km	3.2 mm
HSQ1M160	160 Ω/km	6.5 mm
HSQ1M1600	1600 Ω/km	3.6 mm
HSQ1M250	250 Ω/km	5.3 mm
HSQ1M2500	2500 Ω/km	3.4 mm
HSQ1M400	400 Ω/km	4.7 mm
HSQ1M4000	4000 Ω/km	3.2 mm
HSQ1M630	630 Ω/km	4.3 mm
HSQ1M6300	6300 Ω/km	3.2 mm

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