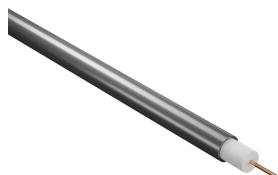


# MI Series SS321 HSQ Heating Cable



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

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

Table 1/1

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

| Catalog Number | Nominal Resistance @ 20°C | Outer Diameter |
|----------------|---------------------------|----------------|
| HSQ1M6300      | 6300 Ω/km                 | 3.2 mm         |
| HSQ1M2500      | 2500 Ω/km                 | 3.4 mm         |
| HSQ1M1600      | 1600 Ω/km                 | 3.6 mm         |
| HSQ1M1000      | 1000 Ω/km                 | 3.9 mm         |
| HSQ1M160       | 160 Ω/km                  | 6.5 mm         |
| HSQ1M630       | 630 Ω/km                  | 4.3 mm         |
| HSQ1M400       | 400 Ω/km                  | 4.7 mm         |
| HSQ1M250       | 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](http://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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