

MI Series Inconel 600 HIQ Heating Cable



nVent RAYCHEM HIQ Inconel 600 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 300 W/m. Alloy 600 sheath offers excellent corrosion resistance to a wide range of organic acids, alkalis and chloride stress-corrosion cracking. 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

Excellent corrosion resistance to a wide range of organic acids, alkalis and chloride stress-corrosion cracking

SPECIFICATIONS

Min Cable Spacing:	25 mm
Max Power Output:	300 W/m
Max Continuous Exposure Temperature, Power Off:	680 °C
Min Installation Temperature:	-60 °C
Supply Voltage:	0 – 500 V
Area Classification:	Non-Hazardous; Hazardous
Sheath Material:	Inconel 600
Insulation Material:	Magnesium Oxide

Table 1/1

Catalog Number	Nominal Resistance @ 20°C	Outer Diameter
HIQ1M10K	10000 Ω/km	3.2 mm

Catalog Number	Nominal Resistance @ 20°C	Outer Diameter
HIQ1M4000	4000 Ω/km	3.2 mm
HIQ1M6300	6300 Ω/km	3.2 mm
HIQ1M2500	2500 Ω/km	3.4 mm
HIQ1M1600	1600 Ω/km	3.6 mm
HIQ1M1000	1000 Ω/km	3.9 mm
HIQ1M160	160 Ω/km	6.5 mm
HIQ1M630	630 Ω/km	4.3 mm
HIQ1M400	400 Ω/km	4.7 mm
HIQ1M250	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.

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