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 & 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

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

SPECIFICATIONS

Supply Voltage 0 – 500 V

Max Power Output 300 W/m

Max Continuous Exposure Temperature, Power Off 700 °C

Insulation Material Magnesium Oxide

Sheath Material Inconel 600

Area Classification Non-Hazardous; Hazardous

Min Installation Temperature -60 °C

Min Cable Spacing 25 mm

Catalog Number	Nominal Resistance @ 20°C	Outer Diameter
Table 1/1		
HIQ1M1000	1000 Ω/km	3.9 mm
HIQ1M10K	10000 Ω/km	3.2 mm
HIQ1M160	160 Ω/km	6.5 mm
HIQ1M1600	1600 Ω/km	3.6 mm
HIQ1M250	250 Ω/km	5.3 mm
HIQ1M2500	2500 Ω/km	3.4 mm
HIQ1M400	400 Ω/km	4.7 mm
HIQ1M4000	4000 Ω/km	3.2 mm
HIQ1M630	630 Ω/km	4.3 mm
HIQ1M6300	6300 Ω/km	3.2 mm

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