

MI Series CuNi HDC/HDF Heating Cable



nVent RAYCHEM HDF/HDC mineral insulated (MI) series resistance trace heating cables provide freeze protection and process temperature maintenance, with continuous exposure temperatures to 400 °C and typical power outputs up to 70 W/m. The high nickel content provides high corrosion resistance, especially in seawater environments. Approved for use in hazardous areas. Available 'fast track' as configured heating units and in low resistances, for long pipeline heating.

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 400 °C continuous withstand temperature, with brazed weld technology

High corrosion resistance, especially in seawater environments

SPECIFICATIONS

Min Cable Spacing:	25 mm
Max Power Output:	70 W/m
Max Continuous Exposure Temperature, Power Off:	400 °C
Min Installation Temperature:	-60 °C
Supply Voltage:	0 – 500 V
Sheath Material:	Cupro-Nickel
Area Classification:	Non-Hazardous; Hazardous
Insulation Material:	Magnesium Oxide

Table 1/1

Catalog Number	Nominal Resistance @ 20°C	Outer Diameter
HDC1M4	4 Ω/km	5.9 mm
HDC1M7	7 Ω/km	5.3 mm

Catalog Number	Nominal Resistance @ 20°C	Outer Diameter
HDC1M11	11 Ω/km	4.9 mm
HDC1M17	17 Ω/km	4.6 mm
HDC1M25	25 Ω/km	3.7 mm
HDC1M40	40 Ω/km	3.4 mm
HDC1M63	63 Ω/km	3.2 mm
HDF1M1600	1600 Ω/km	3.2 mm
HDF1M1000	1000 Ω/km	3.4 mm
HDF1M630	630 Ω/km	3.7 mm
HDF1M160	160 Ω/km	4.9 mm
HDF1M250	250 Ω/km	4.4 mm
HDF1M400	400 Ω/km	4 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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