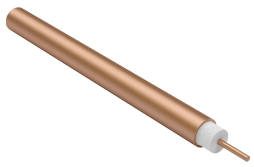
MI Series Bare Copper Heating Cable



nVent RAYCHEM mineral insulated (MI) series resistance trace heating cables are used for low temperature maintenance applications such as long pipeline heating, condensation prevention and ramp heating. Copper sheath with continuous exposure temperatures to 392 °F/200 °C and typical power outputs to 20 W/ft (65 W/m). Approved for use in hazardous areas.

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 not available for configured heating units

SPECIFICATIONS

Min Cable Spacing:	25 mm
Max Power Output:	65 W/m
Max Continuous Exposure Temperature, Power Off:	200 °C
Min Installation Temperature:	-60 °C
Sheath Material:	Copper
Area Classification:	Non-Hazardous; Hazardous
Insulation Material:	Magnesium Oxide

Table 1/1

Catalog Number	Supply Voltage	Nominal Resistance @ 20°C	Outer Diameter
HCC1M1.08	0 – 500 V	1.08 Ω/km	8.3 mm
HCC1M1.72	0 – 500 V	1.72 Ω/km	7.3 mm
HCC1M2.87	0 – 500 V	2.87 Ω/km	6.4 mm

Catalog Number	Supply Voltage	Nominal Resistance @ 20°C	Outer Diameter
HCC1M4	0 – 500 V	4 Ω/km	5.9 mm
HCC1M7	0 – 500 V	7 Ω/km	5.3 mm
HCC1M11	0 – 500 V	11 Ω/km	4.9 mm
HCC1M17	0 – 500 V	17 Ω/km	4.6 mm
HCC1M25	0 – 500 V	25 Ω/km	3.7 mm
HCC1M40	0 – 500 V	40 Ω/km	3.4 mm
HCC1M63	0 – 500 V	63 Ω/km	3.2 mm
HCH1L1250	0 – 300 V	1250 Ω/km	2.8 mm
HCH1L2000	0 – 300 V	2000 Ω/km	2.8 mm
HCC1M88	0 – 500 V	88 Ω/km	3 mm
HCH1M100	0 – 500 V	100 Ω/km	5.2 mm
HCH1M800	0 – 500 V	800 Ω/km	3.5 mm
HCH1M140	0 – 500 V	140 Ω/km	4.9 mm
HCH1M630	0 – 500 V	630 Ω/km	4 mm
HCH1M450	0 – 500 V	450 Ω/km	4 mm
HCH1M315	0 – 500 V	315 Ω/km	4.3 mm
HCH1M220	0 – 500 V	220 Ω/km	4.5 mm

ADDITIONAL PRODUCT DETAILS

Max Power Output: Depending on application, max power outputs up to 40W/ft are permitted.

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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