

# MI Series Jacketed Copper Heating Cable



nVent RAYCHEM LSZH jacketed copper sheathed mineral insulated (MI) series resistance trace heating cables are used for low temperature maintenance applications including embedded heating in concrete or asphalt, roof de-icing, frost heave protection, exposed snow melting and interior pipe tracing. Continuous exposure temperatures to 194 °F/90 °C and typical power outputs to 35 W/ft (115 W/m depending on application.) Embedded and roof de-icing applications approved for use in hazardous areas.

## RECURSOS

Long circuit lengths possible enabling cost effective heating of large areas

Reduced power supply costs (lower start up currents compared with other technologies)

Three phase designs solutions allowing optimization of layouts

Red LSZH jacket aids visibility while pouring concrete or asphalt

Rugged cable construction

Reliable during long life, 10 year product warranty available (robust and rugged construction, proven in harsh climates extends life expectancy)

## ESPECIFICAÇÕES

|                                                        |                          |
|--------------------------------------------------------|--------------------------|
| <b>Conductor Quantity:</b>                             | 1                        |
| <b>Max Continuous Exposure Temperature, Power Off:</b> | 90 °C                    |
| <b>Max Power Output:</b>                               | 115 W/m                  |
| <b>Min Installation Temperature:</b>                   | -30 °C                   |
| <b>Sheath Material:</b>                                | Cobre                    |
| <b>Area Classification:</b>                            | Non-Hazardous; Hazardous |
| <b>Insulation Material:</b>                            | Magnesium Oxide          |

Table 1/1

| Número do catálogo | Supply Voltage | Conductor Material | Nominal Resistance @ 20°C | Diâmetro externo |
|--------------------|----------------|--------------------|---------------------------|------------------|
| HCHR1L1250-RD      | 0 – 300 V      | Liga de cobre      | 1250 Ω/km                 | 5.1 mm           |

| Número do catálogo | Supply Voltage | Conductor Material | Nominal Resistance @ 20°C | Diâmetro externo |
|--------------------|----------------|--------------------|---------------------------|------------------|
| HCHR1L2000-RD      | 0 – 300 V      | Liga de cobre      | 2000 Ω/km                 | 5.1 mm           |
| HCHR1M100-RD       | 0 – 500 V      | Liga de cobre      | 100 Ω/km                  | 7.5 mm           |
| HCHR1M140-RD       | 0 – 500 V      | Liga de cobre      | 140 Ω/km                  | 7.2 mm           |
| HCHR1M1600-RD      | 0 – 500 V      | Liga de cobre      | 1600 Ω/km                 | 5.68 mm          |
| HCHR1M220-RD       | 0 – 500 V      | Liga de cobre      | 220 Ω/km                  | 6.8 mm           |
| HCHR1M315-RD       | 0 – 500 V      | Liga de cobre      | 315 Ω/km                  | 6.6 mm           |
| HCHR1M630-RD       | 0 – 500 V      | Liga de cobre      | 630 Ω/km                  | 6.3 mm           |
| HCHR1M800-RD       | 0 – 500 V      | Liga de cobre      | 800 Ω/km                  | 5.8 mm           |
| HCCR1M11-RD        | 0 – 500 V      | Cobre              | 11 Ω/km                   | 7.2 mm           |
| HCCR1M17-RD        | 0 – 500 V      | Cobre              | 17 Ω/km                   | 6.9 mm           |
| HCCR1M25-RD        | 0 – 500 V      | Cobre              | 25 Ω/km                   | 6 mm             |
| HCCR1M4-RD         | 0 – 500 V      | Cobre              | 4 Ω/km                    | 8.2 mm           |
| HCCR1M40-RD        | 0 – 500 V      | Cobre              | 40 Ω/km                   | 5.7 mm           |
| HCCR1M7-RD         | 0 – 500 V      | Cobre              | 7 Ω/km                    | 7.6 mm           |

## AVISO

Os produtos nVent devem ser instalados e utilizados apenas conforme indicado nas fichas de instrução do produto e materiais de treinamento da nVent. As fichas de instrução estão disponíveis em [www.nVent.com](http://www.nVent.com) e com nossos representantes de atendimento ao cliente nVent. A instalação inadequada, uso incorreto, aplicação incorreta ou outra falha qualquer em seguir completamente as instruções e avisos da nVent podem levar ao mau funcionamento do produto, danos à propriedade, lesões corporais graves e morte, e/ou anular sua garantia.

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