

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.

FEATURES & BENEFITS

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)

SPECIFICATIONS

Supply Voltage 0 – 300 V

Max Power Output 115 W/m

Max Continuous Exposure Temperature, Power Off 90 °C

Insulation Material Magnesium Oxide

Sheath Material Copper

Area Classification Non-Hazardous; Hazardous

Min Installation Temperature -30 °C

Conductor Quantity 1

Table 1/1			
Catalog Number	Conductor Material	Nominal Resistance @ 20°C	Outer Diameter
HCHR1L1250-RD	Copper Alloy	1250 Ω/km	5.1 mm
HCHR1L2000-RD	Copper Alloy	2000 Ω/km	5.1 mm

Supply Voltage 0 – 500 V

Max Power Output 115 W/m

Max Continuous Exposure Temperature, Power Off 90 °C

Insulation Material Magnesium Oxide

Sheath Material Copper

Area Classification Non-Hazardous; Hazardous

Min Installation Temperature -30 °C

Conductor Quantity 1

Table 1/1			
Catalog Number	Conductor Material	Nominal Resistance @ 20°C	Outer Diameter
HCHR1M100-RD	Copper Alloy	100 Ω/km	7.5 mm
HCCR1M11-RD	Copper	11 Ω/km	7.2 mm
HCHR1M140-RD	Copper Alloy	140 Ω/km	7.2 mm
HCHR1M1600-RD	Copper Alloy	1600 Ω/km	5.68 mm
HCCR1M17-RD	Copper	17 Ω/km	6.9 mm
HCHR1M220-RD	Copper Alloy	220 Ω/km	6.8 mm
HCCR1M25-RD	Copper	25 Ω/km	6 mm
HCHR1M315-RD	Copper Alloy	315 Ω/km	6.6 mm
HCCR1M4-RD	Copper	4 Ω/km	8.2 mm
HCCR1M40-RD	Copper	40 Ω/km	5.7 mm
HCCR1M7-RD	Copper	7 Ω/km	7.6 mm
HCHR1M630-RD	Copper Alloy	630 Ω/km	6.3 mm
HCHR1M800-RD	Copper Alloy	800 Ω/km	5.8 mm

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