

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

- 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

Max Power Output:	35 W/ft
Max Continuous Exposure Temperature, Power Off:	194 °F
Min Installation Temperature:	-22 °F
Sheath Material:	Copper
Area Classification:	Non-Hazardous; Hazardous
Insulation Material:	Magnesium Oxide

Table 1/1					
Catalog Number	Supply Voltage	Conductor Material	Conductor Quantity	Nominal Resistance @ 68°F	Outer Diameter
32RD3300-RD	0 – 300 V	Copper Alloy	2	0.088 Ω/ft	0.28 in

Catalog Number	Supply Voltage	Conductor Material	Conductor Quantity	Nominal Resistance @68°F	Outer Diameter
32RD3400-RD	0 – 300 V	Copper Alloy	2	0.082 Ω/ft	0.273 in
32RD3600-RD	0 – 300 V	Copper Alloy	2	0.075 Ω/ft	0.265 in
32RD3800-RD	0 – 300 V	Copper Alloy	2	0.068 Ω/ft	0.255 in
61RD3200-RD	0 – 600 V	Copper Alloy	1	0.072 Ω/ft	0.258 in
61RD3300-RD	0 – 600 V	Copper Alloy	1	0.066 Ω/ft	0.25 in
32RE3100-RD	0 – 300 V	Copper Alloy	2	0.104 Ω/ft	0.298 in
32RE3125-RD	0 – 300 V	Copper Alloy	2	0.093 Ω/ft	0.285 in
32RE3200-RD	0 – 300 V	Copper Alloy	2	0.084 Ω/ft	0.275 in
32RE4280-RD	0 – 300 V	Copper Alloy	2	0.211 Ω/ft	0.39 in
32RE4440-RD	0 – 300 V	Copper Alloy	2	0.16 Ω/ft	0.35 in
32RE4700-RD	0 – 300 V	Copper Alloy	2	0.126 Ω/ft	0.32 in
61RE3105-RD	0 – 600 V	Copper Alloy	1	0.074 Ω/ft	0.264 in
61RE3150-RD	0 – 600 V	Copper Alloy	1	0.059 Ω/ft	0.238 in
61RE4200-RD	0 – 600 V	Copper Alloy	1	0.104 Ω/ft	0.295 in
61RE4300-RD	0 – 600 V	Copper Alloy	1	0.091 Ω/ft	0.282 in
61RE4400-RD	0 – 600 V	Copper Alloy	1	0.084 Ω/ft	0.275 in
61RE4600-RD	0 – 600 V	Copper Alloy	1	0.09 Ω/ft	0.284 in
61RE4800-RD	0 – 600 V	Copper Alloy	1	0.08 Ω/ft	0.272 in

Catalog Number	Supply Voltage	Conductor Material	Conductor Quantity	Nominal Resistance @68°F	Outer Diameter
62RE4280-RD	0 – 600 V	Copper Alloy	2	0.283 Ω/ft	0.461 in
62RE4440-RD	0 – 600 V	Copper Alloy	2	0.235 Ω/ft	0.43 in
62RE4700-RD	0 – 600 V	Copper Alloy	2	0.196 Ω/ft	0.399 in
62RE4950-RD	0 – 600 V	Copper Alloy	2	0.175 Ω/ft	0.373 in
62RC5818-RD	0 – 600 V	Copper	2	0.224 Ω/ft	0.43 in
61RC4100-RD	0 – 600 V	Copper	1	0.092 Ω/ft	0.288 in
61RC5102-RD	0 – 600 V	Copper	1	0.173 Ω/ft	0.367 in
61RC5258-RD	0 – 600 V	Copper	1	0.124 Ω/ft	0.32 in
61RC5409-RD	0 – 600 V	Copper	1	0.115 Ω/ft	0.313 in
61RC6403-RD	0 – 600 V	Copper	1	0.271 Ω/ft	0.43 in
61RC6641-RD	0 – 600 V	Copper	1	0.207 Ω/ft	0.388 in
62RC4130-RD	0 – 600 V	Copper	2	0.203 Ω/ft	0.399 in
62RC4200-RD	0 – 600 V	Copper	2	0.179 Ω/ft	0.343 in
62RC5204-RD	0 – 600 V	Copper	2	0.399 Ω/ft	0.539 in
62RC5324-RD	0 – 600 V	Copper	2	0.317 Ω/ft	0.492 in
62RC5516-RD	0 – 600 V	Copper	2	0.276 Ω/ft	0.461 in

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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