

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:	0.98 in
Max Power Output:	20 W/ft
Max Continuous Exposure Temperature, Power Off:	392 °F
Min Installation Temperature:	-76 °F
Sheath Material:	Copper
Area Classification:	Non-Hazardous; Hazardous
Insulation Material:	Magnesium Oxide

Table 1/1

Catalog Number	Item Name	Supply Voltage	Nominal Resistance @ 68°F	Outer Diameter
61CC6403	600V/1C/CU SHEATH/.000403 OHM/FT HTG CBL	0 – 600 V	0.000403 Ω/ft	0.34 in
61CC6641	600V/1C/CU SHEATH/.000641 OHM/FT HTG CBL	0 – 600 V	0.000641 Ω/ft	0.298 in

Catalog Number	Item Name	Supply Voltage	Nominal Resistance @ 68°F	Outer Diameter
61CC5102	600V/1C/CU SHEATH/.00102 OHM/FT HTG CBL	0 – 600 V	0.00102 Ω/ft	0.277 in
61CC5162	600V/1C/CU SHEATH/.00162 OHM/FT HTG CBL	0 – 600 V	0.00162 Ω/ft	0.246 in
62CC5204	600V/2C/CU SHEATH/.00204 OHM/FT HTG CBL	0 – 600 V	0.00204 Ω/ft	0.449 in
61CC5258	600V/1C/CU SHEATH/.00258 OHM/FT HTG CBL	0 – 600 V	0.00258 Ω/ft	0.23 in
62CC5324	600V/2C/CU SHEATH/.00324 OHM/FT HTG CBL	0 – 600 V	0.00324 Ω/ft	0.402 in
61CC5409	600V/1C/CU SHEATH/.00409 OHM/FT HTG CBL	0 – 600 V	0.00409 Ω/ft	0.223 in
62CC5516	600V/2C/CU SHEATH/.00516 OHM/FT HTG CBL	0 – 600 V	0.00516 Ω/ft	0.371 in
61CC5651	600V/1C/CU SHEATH/.00651 OHM/FT HTG CBL	0 – 600 V	0.00651 Ω/ft	0.194 in
62CC5818	600V/2C/CU SHEATH/.00818 OHM/FT HTG CBL	0 – 600 V	0.00818 Ω/ft	0.34 in
61CC4100	600V/1C/CU SHEATH/.0100 OHM/FT HTG CBL	0 – 600 V	0.01 Ω/ft	0.198 in
62CE3124	600V/2C/CU SHEATH/.124 OHM/FT HTG CBL	0 – 600 V	0.0124 Ω/ft	0.246 in
62CC4130	600V/2C/CU SHEATH/.0130 OHM/FT HTG CBL	0 – 600 V	0.013 Ω/ft	0.309 in
62CC4200	600V/2C/CU SHEATH/.0200 OHM/FT HTG CBL	0 – 600 V	0.02 Ω/ft	0.252 in
62CE4200		0 – 600 V	0.02 Ω/ft	

Catalog Number	Item Name	Supply Voltage	Nominal Resistance @ 68°F	Outer Diameter
61CE4200	600V/1C/CU SHEATH/.0200 OHM/FT HTG CBL	0 – 600 V	0.02 Ω/ft	0.205 in
32CE4280	300V/2C/CU SHEATH/.0280 OHM/FT HTG CBL	0 – 300 V	0.028 Ω/ft	0.3 in
62CE4280	600V/2C/CU SHEATH/.028 OHM/FT HTG CBL	0 – 600 V	0.028 Ω/ft	0.371 in
61CE4300	600V/1C/CU SHEATH/.0300 OHM/FT HTG CBL	0 – 600 V	0.03 Ω/ft	0.192 in
61CD3610	600V/1C/CU SHEATH/.610 OHM/FT HTG CBL	0 – 600 V	0.61 Ω/ft	0.12 in
61CE4400	600V/1C/CU SHEATH/.0400 OHM/FT HTG CBL	0 – 600 V	0.04 Ω/ft	0.185 in
32CE4440	300V/2C/CU SHEATH/.0440 OHM/FT HTG CBL	0 – 300 V	0.044 Ω/ft	0.26 in
62CE4440	600V/2C/CU SHEATH/.044 OHM/FT HTG CBL	0 – 600 V	0.044 Ω/ft	0.34 in
61CD3300	600V/1C/CU SHEATH/.300 OHM/FT HTG CBL	0 – 600 V	0.3 Ω/ft	0.16 in
61CD3390	600V/1C/CU SHEATH/.390 OHM/FT HTG CBL	0 – 600 V	0.39 Ω/ft	0.132 in
32CD3800	300V/2C/CU SHEATH/.800 OHM/FT HTG CBL	0 – 300 V	0.8 Ω/ft	0.165 in
61CE3150	600V/1C/CU SHEATH/.150 OHM/FT HTG CBL	0 – 600 V	0.15 Ω/ft	0.148 in
61CE3105	600V/1C/CU SHEATH/.105 OHM/FT HTG CBL	0 – 600 V	0.105 Ω/ft	0.174 in
61CE4800	600V/1C/CU SHEATH/.0800 OHM/FT HTG CBL	0 – 600 V	0.08 Ω/ft	0.182 in

Catalog Number	Item Name	Supply Voltage	Nominal Resistance @ 68°F	Outer Diameter
61CD3200	600V/1C/CU SHEATH/.200 OHM/FT HTG CBL	0 – 600 V	0.2 Ω/ft	0.168 in
61CE4600	600V/1C/CU SHEATH/.0600 OHM/FT HTG CBL	0 – 600 V	0.06 Ω/ft	0.194 in
32CD3600	300V/2C/CU SHEATH/.600 OHM/FT HTG CBL	0 – 300 V	0.6 Ω/ft	0.175 in
32CD3400	300V/2C/CU SHEATH/.400 OHM/FT HTG CBL	0 – 300 V	0.4 Ω/ft	0.183 in
32CE3200	300V/2C/CU SHEATH/.200 OHM/FT HTG CBL	0 – 300 V	0.2 Ω/ft	0.185 in
32CD3300	300V/2C/CU SHEATH/.300 OHM/FT HTG CBL	0 – 300 V	0.3 Ω/ft	0.19 in
32CE3100	300V/2C/CU SHEATH/.100 OHM/FT HTG CBL	0 – 300 V	0.1 Ω/ft	0.208 in
32CE3125	300V/2C/CU SHEATH/.125 OHM/FT HTG CBL	0 – 300 V	0.125 Ω/ft	0.195 in
32CE4700	300V/2C/CU SHEATH/.0700 OHM/FT HTG CBL	0 – 300 V	0.07 Ω/ft	0.23 in
62CE4700	600V/2C/CU SHEATH/.070 OHM/FT HTG CBL	0 – 600 V	0.07 Ω/ft	0.309 in
62CE4950	600V/2C/CU SHEATH/.095 OHM/FT HTG CBL	0 – 600 V	0.095 Ω/ft	0.283 in

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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