

PRODUCT OVERVIEW



- A** Heating Conductor
- B** MgO Insulation
- C** Seamless Copper Sheath
- D** HDPE Jacket

Chromalox® CMi copper-sheath, mineral insulated heating cables are covered with an extruded high-density polyethylene (HDPE) skinned jacket and are supplied as complete factory-assembled cables ready to connect to a junction box. The series-type technology, inherent to all mineral insulated heating cables, provides a reliable and consistent heat source that is ideal for embedded snow melting applications, heat loss replacement, and freezer frost heave prevention. The copper sheath provides an ideal ground path and allows for a rugged yet flexible heating cable that is easy to install.

DESCRIPTION

The CMi heating unit consists of the heating cable, the hot-cold joint and the cold lead cables with an appropriate seal and gland. The connecting and sealing of the CMi heating unit is critical for safe and reliable operation, please refer to the following pages for standard construction types. The insulation of the inner heating conductor is

embedded in magnesium oxide, a non-aging and non-combustible material. A wide range of resistances ensures the termination of a multitude of heating cable lengths with various outputs and nominal voltages. We offer single core resistance wires as well as a seamless out jacket made from Copper + HDPE.

WARNING — A ground fault protection device is required by Chromalox, agency certifications, and NEC to minimize the danger of fire if the heating cable is dam-aged or improperly installed. A minimum trip level of 30 mA is recommended to minimize nuisance tripping.

APPLICATION

Trace Surface Type Metal
Chemical Resistance Exposure to aqueous solutions of inorganic compounds
 Exposure to liquids, organic chemicals, acids, or bases

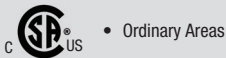
VOLTAGE SUPPLY

120 Vac to 600 Vac

TEMPERATURE RATING

Maximum Maintenance Temperature 194°F (90°C)
Minimum Installation Temperature -20°F (-29°C)

APPROVALS



DESIGN AND INSTALLATION

For proper design and installation, see Chromalox Commercial Heating Cable Products Installation Instructions (PJ970). These resources are available on the Chromalox website, www.chromalox.com.

CMi HDPE JACKETED MINERAL INSULATED HEAT TRACE CABLE

ORDERING INFORMATION	Model	Volts	Total Watts	Heated Length (ft)	Output (W/ft.)	Amps (A)*	Cold Lead Length (ft.)**	Total Ohms	PCN
	CMI-D2000-120-220-108-7	120	220	108	2	1.84	7	65.46	512524
	CMI-D2000-120-425-55-7		425	55	8	3.55	7	33.89	512516
	CMI-D2000-120-590-40-7		590	40	15	4.92	7	24.41	512508
	CMI-D656-120-1100-65-7		1,000	65	15	9.17	7	14.4	512495
	CMI-D1280-208-1600-68-7	208	1,600	68	24	7.7	7	27.04	512487
	CMI-D656-208-2300-95-7		2,300	95	24	11.06	7	18.82	512479
	CMI-D345-208-3100-132-15		3,100	132	23	14.91	15	13.96	512460
	CMI-D98-208-5500-260-15		5,500	250	21	26.45	15	7.87	512452
	CMI-D66-208-7000-310-15		7,000	310	23	33.66	15	6.19	512444
	CMI-D656-240-2000-140-7	240	2,000	140	14	8.34	7	28.8	512436
	CMI-D345-240-2100-264-7		2,100	264	8	8.75	7	27.43	512428
	CMI-D345-240-3200-177-7		3,200	177	18	13.34	7	18	512410
	CMI-D197-240-4000-240-15		4,000	240	17	16.67	15	14.4	512401
	CMI-D131-240-5200-280-15		5,200	280	19	21.67	15	11.08	512399
	CMI-D98-240-6000-320-15		6,000	320	19	25	15	9.6	512380
	CMI-D66-240-7500-375-15		7,500	375	20	31.25	15	7.68	512372
	CMI-C33-240-9000-550-15		9,000	550	16	37.5	15	6.4	512364
	CMI-D2000-277-1677-75-15	277	1,677	75	22	6.06	15	45.76	514669
	CMI-D1280-277-2115-93-15		2,115	93	23	7.64	15	36.28	514677
	CMI-D984-277-2413-106-15		2,413	106	23	8.72	15	31.8	514685
	CMI-D656-277-2951-130-15		2,951	130	23	10.66	15	26.01	514693
	CMI-D492-277-3322-154-15		3,322	154	22	12	15	23.1	514706
	CMI-D345-277-4060-180-15		4,060	180	23	14.66	15	18.9	514714
	CMI-D262-277-4679-205-15		4,679	205	23	16.9	15	16.4	514722
	CMI-D197-277-5373-238-15		5,373	238	23	19.4	15	14.29	514730
	CMI-D131-277-6615-290-15		6,615	290	23	23.89	15	11.6	514749
	CMI-D98-277-7681-333-15		7,681	333	23	27.73	15	9.99	514757
	CMI-D1280-480-3647-162-15	480	3,647	162	23	7.6	15	63.18	514761
	CMI-D984-480-4197-183-15		4,197	183	23	8.75	15	54.9	514790
	CMI-D656-480-5120-225-15		5,120	225	23	10.67	15	45	514802
	CMI-D492-480-5908-260-15		5,908	260	23	12.31	15	39	514810
	CMI-D345-480-7078-310-15		7,078	310	23	14.75	15	32.56	514829
	CMI-D262-480-8045-358-15		8,045	358	22	16.77	15	28.64	514837
	CMI-D197-480-9366-410-15		9,366	410	23	19.52	15	24.6	514845
	CMI-D131-480-11429-504-15		11,429	504	23	23.82	15	20.16	514853
	CMI-D98-480-13241-580-15		13,241	580	23	27.59	15	17.41	514861
	CMI-D1280-600-4100-225-15		600	4,100	225	18	6.84	15	87.81
	CMI-D656-600-5800-310-15	5,800		310	19	9.67	15	62.07	512321
	CMI-D345-600-8000-428-15	8,000		428	19	13.34	15	45	512313
	CMI-D197-600-11000-548-15	11,000		548	20	18.34	15	32.73	512305

*Maximum amps per cold lead wire gauge:
 25 Amps = #14 AWG
 30 Amps = #16 AWG
 40 Amps = #10 AWG
 70 Amps = #8 AWG
 135 Amps = #4 AWG

**Two cold leads per model at length shown
 Note: Standard cable gland size is 1/2" NPT for all models

CMi HDPE JACKETED MINERAL INSULATED HEAT TRACE CABLE

ORDERING INFORMATION (cont.)

Copper Mineral Insulated		Voltage (V)		Heated Length (ft.)						
CMi	/	D262	/	480	/	8045	/	358	/	15
		Material Reference		Wattage (W)		Cold Lead Length (ft.)				



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*press 1 to be directed to heat trace support