



CMi

HDPE Jacketed Mineral Insulated Heat Trace Cable



- **Factory Terminated Heating Sets**
- **Applications**
 - **Surface Snow Melting**
 - **Heat Loss Replacement**
 - **Frost Heave Prevention**
- **Heating Cable Voltages up to 600V**
- **Custom Cables available upon Request**
- **Copper Sheath and HDPE Jacketing Protects Against Abrasions and Corrosives**
- **7' or 15' Standard Cold Lead Lengths (Custom upon Request)**
- **Cable OD ranges from 6mm (~0.24") to 7.6mm (~0.30")**
- **1/2" Brass NPT Cable Gland Size**
- **Max Linear Output 30 W/ft**
- **Single Conductor Construction**

Description

The 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.

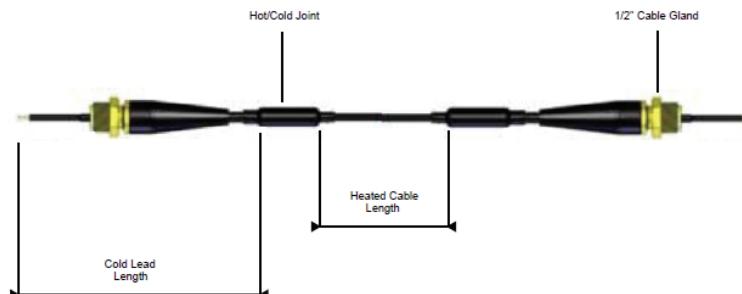
The MI heating unit consists of the heating cable, the hot-cold joint and the cold lead cables with an appropriate seal and gland. The connecting and sealing of an MI heating unit is critical for safe and reliable operation, please refer to the following pages for standard construction types. The insulation 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 NEC to minimize the danger of fire if the heating cable is damaged or improperly installed. A minimum trip level of 30mA is recommended to minimize nuisance tripping.

Design B

Single Conductor Heating Cable with HDPE Outer Jacket



COMMERCIAL HEAT TRACE

CMi HDPE Jacketed Mineral Insulated Heat Trace Cable (cont'd.)

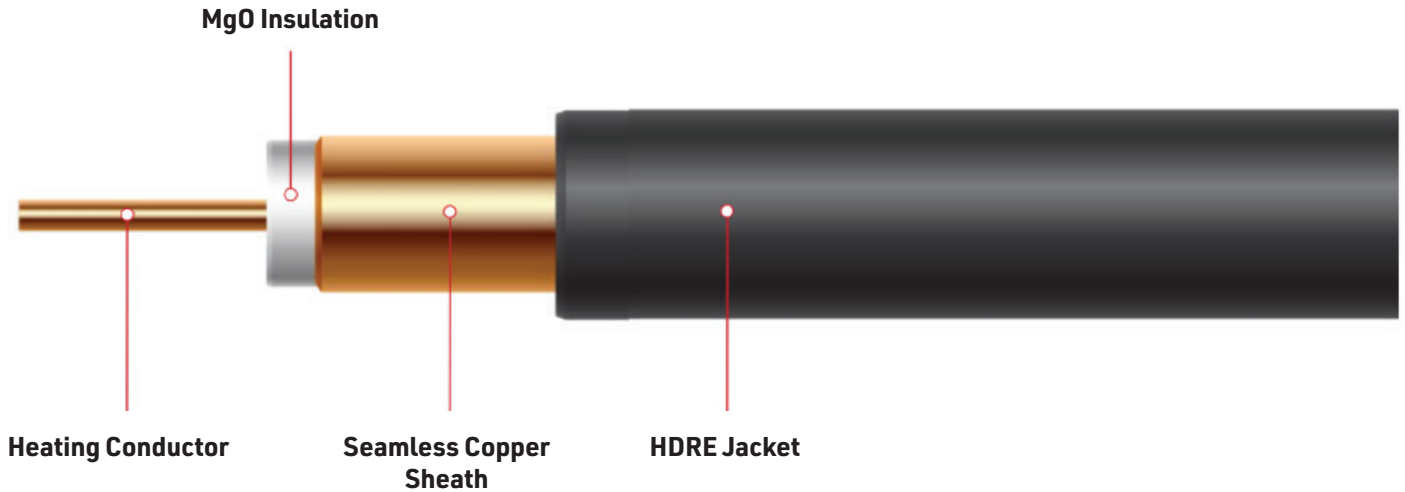
CMi Order Table

Copper Sheath, HDPE Skinned, Mineral Insulated Heating Cable										
Copper Jacketed, HDPE Skinned, MI Cable			Supply Volt.	Total Watts	Heated Length (Ft.)	Watts/ Ft.	Total Amps	Cold Lead Length	Total Ohms Ω	Cable Gland Size
PCN	Part #	Description								
600 Volt Cables										
512330	CMI-D1280-600-4100-225-15	bulk cable D1280, 600V, 4100W, 225' heated length, 15' cold lead on both ends	600	4,100	225	18	6.84	2@15'	87.81	1/2" BASS NPT
512321	CMI-D656-600-5800-310-15	bulk cable D656, 600V, 5800W, 310' heated length, 15' cold lead on both ends	600	5,800	310	19	9.67	2@15'	62.07	1/2" BASS NPT
512313	CMI-D345-600-8000-428-15	bulk cable D345, 600V, 8000W, 428' heated length, 15' cold lead on both ends	600	8,000	428	19	13.34	2@15'	45.00	1/2" BASS NPT
512305	CMI-D197-600-11000-548-15	bulk cable D197, 600V, 11000W, 548' heated length, 15' cold lead on both ends	600	11,000	548	20	18.34	2@15'	32.73	1/2" BASS NPT
480 Volt Cables										
514761	CMI-D1280-480-3647-162-15	bulk cable D1280, 480V, 3647W, 162' heated length, 15' cold lead on both ends	480	3,647	162	23	7.60	2@15'	63.18	1/2" BASS NPT
514790	CMI-D984-480-4197-183-15	bulk cable D984, 480V, 4197W, 183' heated length, 15' cold lead on both ends	480	4,197	183	23	8.75	2@15'	54.90	1/2" BASS NPT
514802	CMI-D656-480-5120-225-15	bulk cable D656, 480V, 5120W, 225' heated length, 15' cold lead on both ends	480	5,120	225	23	10.67	2@15'	45.00	1/2" BASS NPT
514810	CMI-D492-480-5908-260-15	bulk cable D492, 480V, 5908W, 260' heated length, 15' cold lead on both ends	480	5,908	260	23	12.31	2@15'	39.00	1/2" BASS NPT
514829	CMI-D345-480-7078-310-15	bulk cable D345, 480V, 7078W, 310' heated length, 15' cold lead on both ends	480	7,078	310	23	14.75	2@15'	32.56	1/2" BASS NPT
514837	CMI-D262-480-8045-358-15	bulk cable D262, 480V, 8045W, 358' heated length, 15' cold lead on both ends	480	8,045	358	22	16.77	2@15'	28.64	1/2" BASS NPT
514845	CMI-D197-480-9366-410-15	bulk cable D197, 480V, 9366W, 410' heated length, 15' cold lead on both ends	480	9,366	410	23	19.52	2@15'	24.60	1/2" BASS NPT
514853	CMI-D131-480-11429-504-15	bulk cable D131, 480V, 11429W, 504' heated length, 15' cold lead on both ends	480	11,429	504	23	23.82	2@15'	20.16	1/2" BASS NPT
514861	CMI-D98-480-13241-580-15	bulk cable D98, 480V, 13241W, 580' heated length, 15' cold lead on both ends	480	13,241	580	23	27.59	2@15'	17.41	1/2" BASS NPT
277 Volt Cables										
514669	CMI-D2000-277-1677-75-15	bulk cable D2000, 277V, 1677W, 75' heated length, 15' cold lead on both ends	277	1,677	75	22	6.06	2@15'	45.76	1/2" BASS NPT
514677	CMI-D1280-277-2115-93-15	bulk cable D1280, 277V, 2115W, 93' heated length, 15' cold lead on both ends	277	2,115	93	23	7.64	2@15'	36.28	1/2" BASS NPT
514685	CMI-D984-277-2413-106-15	bulk cable D984, 277V, 2413W, 106' heated length, 15' cold lead on both ends	277	2,413	106	23	8.72	2@15'	31.80	1/2" BASS NPT
514693	CMI-D656-277-2951-130-15	bulk cable D656, 277V, 2951W, 130' heated length, 15' cold lead on both ends	277	2,951	130	23	10.66	2@15'	26.01	1/2" BASS NPT
514706	CMI-D492-277-3322-154-15	bulk cable D492, 277V, 3322W, 154' heated length, 15' cold lead on both ends	277	3,322	154	22	12.00	2@15'	23.10	1/2" BASS NPT
514714	CMI-D345-277-4060-180-15	bulk cable D345, 277V, 4060W, 180' heated length, 15' cold lead on both ends	277	4,060	180	23	14.66	2@15'	18.90	1/2" BASS NPT
514722	CMI-D262-277-4679-205-15	bulk cable D345, 277V, 4060W, 180' heated length, 15' cold lead on both ends	277	4,679	205	23	16.90	2@15'	16.40	1/2" BASS NPT
514730	CMI-D197-277-5373-238-15	bulk cable D197, 277V, 5373W, 238' heated length, 15' cold lead on both ends	277	5,373	238	23	19.40	2@15'	14.29	1/2" BASS NPT
514749	CMI-D131-277-6615-290-15	bulk cable D131, 277V, 6615W, 290' heated length, 15' cold lead on both ends	277	6,615	290	23	23.89	2@15'	11.60	1/2" BASS NPT
514757	CMI-D98-277-7681-333-15	bulk cable D98, 277V, 7681W, 333' heated length, 15' cold lead on both ends	277	7,681	333	23	27.73	2@15'	9.99	1/2" BASS NPT
240 Volt Cables										
512436	CMI-D656-240-2000-140-7	bulk cable D656, 240V, 2000W, 140' heated length, 7' cold lead on both ends	240	2,000	140	14	8.34	2@15'	28.80	1/2" BASS NPT
512428	CMI-D345-240-2100-264-7	bulk cable D345, 240V, 2100W, 264' heated length, 7' cold lead on both ends	240	2,100	264	8	8.75	2@15'	27.43	1/2" BASS NPT
512410	CMI-D345-240-3200-177-7	bulk cable D345, 240V, 3200W, 177' heated length, 7' cold lead on both ends	240	3,200	177	18	13.34	2@15'	18.00	1/2" BASS NPT
512401	CMI-D197-240-4000-240-15	bulk cable D197, 240V, 4000W, 240' heated length, 15' cold lead on both ends	240	4,000	240	17	16.67	2@15'	14.40	1/2" BASS NPT
512399	CMI-D131-240-5200-280-15	bulk cable D131, 240V, 5200W, 280' heated length, 15' cold lead on both ends	240	5,200	280	19	21.67	2@15'	11.08	1/2" BASS NPT
512380	CMI-D98-240-6000-320-15	bulk cable D98, 240V, 6000W, 320' heated length, 15' cold lead on both ends	240	6,000	320	19	25.00	2@15'	9.60	1/2" BASS NPT
512372	CMI-D66-240-7500-375-15	bulk cable D66, 240V, 7500W, 375' heated length, 15' cold lead on both ends	240	7,500	375	20	31.25	2@15'	7.68	1/2" BASS NPT
512364	CMI-C33-240-9000-550-15	bulk cable C33, 240V, 9000W, 550' heated length, 15' cold lead on both ends	240	9,000	550	16	37.50	2@15'	6.40	1/2" BASS NPT
208 Volt Cables										
512487	CMI-D1280-208-1600-68-7	bulk cable D1280, 208V, 1600W, 68' heated length, 7' cold lead on both ends	208	1,600	68	24	7.70	2@15'	27.04	1/2" BASS NPT
512479	CMI-D656-208-2300-95-7	bulk cable D656, 208V, 2300W, 95' heated length, 7' cold lead on both ends	208	2,300	95	24	11.06	2@15'	18.82	1/2" BASS NPT
512460	CMI-D345-208-3100-132-15	bulk cable D345, 208V, 3100W, 132' heated length, 15' cold lead on both ends	208	3,100	132	23	14.91	2@15'	13.96	1/2" BASS NPT
512452	CMI-D98-208-5500-260-15	bulk cable D98, 208V, 5500W, 260' heated length, 15' cold lead on both ends	208	5,500	260	21	26.45	2@15'	7.87	1/2" BASS NPT
512444	CMI-D66-208-7000-310-15	bulk cable D66, 208V, 7000W, 310' heated length, 15' cold lead on both ends	208	7,000	310	23	33.66	2@15'	6.19	1/2" BASS NPT
120 Volt Cables										
512524	CMI-D2000-120-220-108-7	bulk cable D2000, 120V, 220W, 108' heated length, 7' cold lead on both ends	120	220	108	2	1.84	2@15'	65.46	1/2" BASS NPT
512516	CMI-D2000-120-425-55-7	bulk cable D2000, 120V, 425W, 55' heated length, 7' cold lead on both ends	120	425	55	8	3.55	2@15'	33.89	1/2" BASS NPT
512508	CMI-D2000-120-590-40-7	bulk cable D2000, 120V, 590W, 40' heated length, 7' cold lead on both ends	120	590	40	15	4.92	2@15'	24.41	1/2" BASS NPT
512495	CMI-D656-120-1100-65-7	bulk cable D656, 120V, 1100W, 65' heated length, 7' cold lead on both ends	120	1,000	65	15	9.17	2@15'	14.40	1/2" BASS NPT

Note: Custom CMi Heating Cables will follow the same ID structure as the Standard Cables above. Please refer to "CMi ID Matrix" on page 3 for more detailed information about the Custom Unit.

CMi HDPE Jacketed Mineral Insulated Heat Trace Cable *(cont'd.)*

CMi CABLE CONSTRUCTION



CMi ID MATRIX

