

CMi HDPE Jacketed Mineral Insulated Heat Trace Cable



Description

The copper-sheathed, mineral insulated heating cables are covered with an extruded high-density polyethylene (HDPE) 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. 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 both single core and dual core resistance wires as well as a seamless outer jacket made from Copper + HDPE.

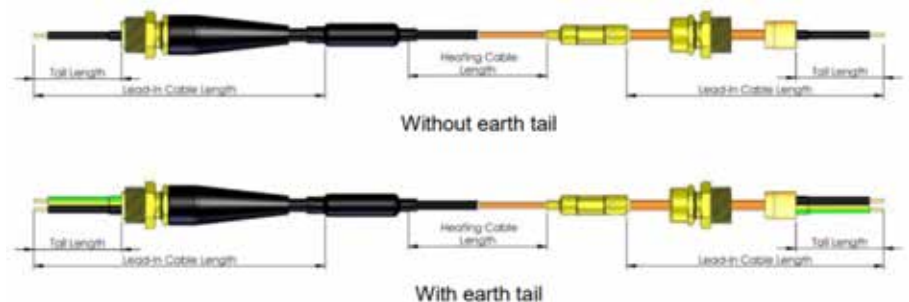
- Factory Terminated Heating Sets
- Great for Snow Melting or Heat Loss Replacement
- Assemblies Rated for Multiple Voltages up to 600V
- Corrosion Resistant Copper Jacketed Cables
- HDPE Jacketing Protects Against Abrasions and Corrosives
- Maximum Exposure Temperature 194°F (90°C)
- 15' Standard Cold Lead Length
- 1/2" Cable Gland Size
- Heater Voltages up to 600 VAC
- 8 to 24 W/ft Output Ratings
- Lengths from 40 to 846 ft.



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 Core Heating Cable with Copper Sheath Bare (right) or HDPE Served (left)



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

CMi Order Table

Copper Jacketed, HDPE Skinned, Mineral Insulated Heating Cable											
Copper Jacketed, HDPE Skinned, MI Cable			Cable Type	# of Conductors	Length (Ft.)	Total Watts	Watts/ Ft.	Supply Voltage	Total Amps	Cold Lead Length	Cable Gland
PCN	Part #	Description									
600 Volt Cables											
512305	CMI-600-11000-548-18.3-30	HDPE Jacketed, Copper MI Cable	B	1	548	11,000	20	600	18.33	2@15'	1/2"
512313	CMI-600-8000-428-13.3-30	HDPE Jacketed, Copper MI Cable	B	1	428	8,000	19	600	13.33	2@15'	1/2"
512321	CMI-600-5800-310-9.67-30	HDPE Jacketed, Copper MI Cable	B	1	323	5,800	18	600	9.67	2@15'	1/2"
512330	CMI-600-4100-225-6.83-14	HDPE Jacketed, Copper MI Cable	B	1	230	4,100	18	600	6.83	2@15'	1/2"
480 Volt Cables											
514761	CMI-480-3650-162-7.6-30	HDPE Jacketed, Copper MI cable	B	1	162	3650	22.5	480	7.6	2@15'	1/2"
514790	CMI-480-4200-183-8.8-30	HDPE Jacketed, Copper MI cable	B	1	183	4200	23	480	8.8	2@15'	1/2"
514802	CMI-480-5120-225-10.7-30	HDPE Jacketed, Copper MI cable	B	1	225	5120	22.8	480	10.7	2@15'	1/2"
514810	CMI-480-5910-260-12.3-30	HDPE Jacketed, Copper MI cable	B	1	260	5910	22.7	480	12.3	2@15'	1/2"
514829	CMI-480-7080-310-14.8-30	HDPE Jacketed, Copper MI cable	B	1	310	7080	22.8	480	14.8	2@15'	1/2"
514837	CMI-480-8040-358-16.8-30	HDPE Jacketed, Copper MI cable	B	1	358	8040	22.5	480	16.8	2@15'	1/2"
514845	CMI-480-9370-410-19.5-30	HDPE Jacketed, Copper MI cable	B	1	410	9370	22.9	480	19.5	2@15'	1/2"
514853	CMI-480-11430-504-23.8-30	HDPE Jacketed, Copper MI cable	B	1	504	11430	22.7	480	23.8	2@15'	1/2"
514861	CMI-480-13240-580-27.6-30	HDPE Jacketed, Copper MI cable	B	1	580	13240	22.8	480	27.6	2@15'	1/2"
277 Volt Cables											
514669	CMI-277-1680-75-6.1-30	HDPE Jacketed, Copper MI cable	B	1	75	1680	22.4	277	6.1	2@15'	1/2"
514677	CMI-277-2120-93-7.7-30	HDPE Jacketed, Copper MI cable	B	1	93	2120	22.8	277	7.7	2@15'	1/2"
514685	CMI-277-2410-106-8.7-30	HDPE Jacketed, Copper MI cable	B	1	106	2410	22.7	277	8.7	2@15'	1/2"
514693	CMI-277-2950-130-10.6-30	HDPE Jacketed, Copper MI cable	B	1	130	2950	22.7	277	10.6	2@15'	1/2"
514706	CMI-277-3320-154-12-30	HDPE Jacketed, Copper MI cable	B	1	154	3320	21.6	277	12	2@15'	1/2"
514714	CMI-277-4060-180-14.7-30	HDPE Jacketed, Copper MI cable	B	1	180	4060	22.6	277	14.7	2@15'	1/2"
514722	CMI-277-4680-205-16.9-30	HDPE Jacketed, Copper MI cable	B	1	205	4680	22.8	277	16.9	2@15'	1/2"
514730	CMI-277-5370-238-19.4-30	HDPE Jacketed, Copper MI cable	B	1	238	5370	22.6	277	19.4	2@15'	1/2"
514749	CMI-277-6610-290-23.9-30	HDPE Jacketed, Copper MI cable	B	1	290	6610	22.8	277	23.9	2@15'	1/2"
514757	CMI-277-7680-333-27.7-30	HDPE Jacketed, Copper MI cable	B	1	333	7680	23.1	277	27.7	2@15'	1/2"
514765	CMI-277-9360-410-33.8-30	HDPE Jacketed, Copper MI cable	B	1	410	9360	22.8	277	33.8	2@15'	1/2"
514773	CMI-277-12390-540-44.7-30	HDPE Jacketed, Copper MI cable	B	1	540	12390	22.9	277	44.7	2@15'	1/2"
240 Volt Cables											
512348	CMI-240-17000-717-70.83-30	HDPE Jacketed, Copper MI Cable	B	1	717	17,000	24	240	70.83	2@15'	1/2"
512356	CMI-240-12000-630-50-15	HDPE Jacketed, Copper MI Cable	B	1	640	12,000	19	240	50.00	2@15'	1/2"
512364	CMI-240-9000-550-37.50-30	HDPE Jacketed, Copper MI Cable	B	1	550	9,000	16	240	37.50	2@15'	1/2"
512372	CMI-240-7500-375-31.25-30	HDPE Jacketed, Copper MI Cable	B	1	375	7,500	20	240	31.25	2@15'	1/2"
512380	CMI-240-6000-320-25-30	HDPE Jacketed, Copper MI Cable	B	1	320	6,000	19	240	25.00	2@15'	1/2"
512399	CMI-240-5200-280-21.67-30	HDPE Jacketed, Copper MI Cable	B	1	280	5,200	19	240	21.67	2@15'	1/2"
512401	CMI-240-4000-215-16.67-30	HDPE Jacketed, Copper MI Cable	B	1	215	4,000	19	240	16.67	2@15'	1/2"
512410	CMI-240-3200-177-13.33-14	HDPE Jacketed, Copper MI Cable	B	1	188	3,200	17	240	13.33	2@15'	1/2"
512428	CMI-240-2000-140-28.80-14	HDPE Jacketed, Copper MI Cable	B	1	150	2,000	13	240	28.80	2@15'	1/2"
512436	CMI-240-2100-264-24.69-14	HDPE Jacketed, Copper MI Cable	B	1	264	2,000	8	240	8.75	2@15'	1/2"
208 Volt Cables											
512444	CMI-208-7000-310-33.65-30	HDPE Jacketed, Copper MI Cable	B	1	310	7,000	23	208	33.65	2@15'	1/2"
512452	CMI-208-5500-260-26.44-30	HDPE Jacketed, Copper MI Cable	B	1	262	5,500	21	208	26.44	2@15'	1/2"
512460	CMI-208-3100-132-14.90-30	HDPE Jacketed, Copper MI Cable	B	1	132	3,100	23	208	14.90	2@15'	1/2"
512479	CMI-208-2300-95-11.06-14	HDPE Jacketed, Copper MI Cable	B	1	96	2,300	24	208	11.06	2@15'	1/2"
512487	CMI-208-1600-68-7.69-14	HDPE Jacketed, Copper MI Cable	B	1	71	1,600	23	208	7.69	2@15'	1/2"
120 Volt Cables											
512495	CMI-120-1100-66-9.17-14	HDPE Jacketed, Copper MI Cable	B	1	68	1100	16	120	9.17	2@15'	1/2"
512508	CMI-120-590-40-4.92-14	HDPE Jacketed, Copper MI Cable	B	1	40	590	15	120	4.92	2@15'	1/2"
512516	CMI-120-400-55-3.54-14	HDPE Jacketed, Copper MI Cable	B	1	56	425	8	120	3.54	2@15'	1/2"
512524	CMI-120-220-108-1.83-14	HDPE Jacketed, Copper MI Cable	B	1	107	220	2	120	1.83	2@15'	1/2"