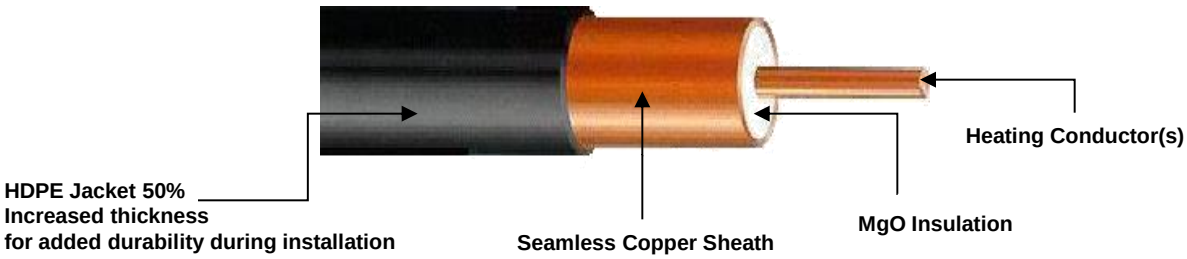
TRM Heat MI-C

Mineral Insulated Copper Heating Cables



Product Name: MI Copper Heating Cable

Applications:

- Embedded Snow Melting
  - Asphalt
  - Concrete
  - Paving Stones
  - Mastic Asphalt
- Pipe Tracing
  - Freeze Protection
  - Medium Temperature Process Maintenance
- Floor Warming in Concrete
- Roof and Gutter Deicing
- Heat Loss Replacement / Freezers / Frost Heave

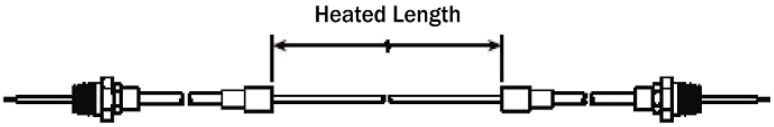
Approvals: CSA, CUS

Construction:

- HDPE Jacket or Bare Copper Sheath
- Solid Copper Sheath
- MgO Magnesium Oxide Insulation
- Copper or Alloy heating conductors

Construction of Factory Assembled Heating Elements

1 conductor with 2 cold leads (Typical)



Thermal Resources Management (TRM) Inc.
175 Idema Road, Markham ON, L3R 1A9
Tel: 1-905-940-4737 Fax: 1-905-940-4731
www.trmheatingcables.com

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Heater Designs: Supplied as factory assembled MI heaters, complete with cold leads, with ½" NPT threaded glands on each end – to connect to your power supply

TRM heating cables can be supplied as:

Off the shelf finished heating cables (see standard chart)

or Custom made heating cables (see custom chart)

Specifications: Solid Seamless copper sheath

Single conductor heating element (2 conductor available made to order)

Voltages up to 600 Volts

Cold Lead ratings 14 AWG to 4 AWG size

Cold Lead lengths 7 and 15 feet standard (according to chart) – custom cold lead lengths available

Fittings on the end of the cold lead are ½" NPT Brass

Maximum exposure temperature
= 200 deg C for bare copper
= 90 deg C for HDPE jacketed (this jacketed cable can withstand the exposure temperatures of asphalt and mastic during paving).

Wattage per Linear Foot of cable = maximum 30 watts per foot, but please contact us for specific wattage limits based on your application.

Installation should be done according to your local electrical code.
GFI Ground Fault protection is required for all heating cables.

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Standard Design:
B Design Units
2 x 15' cold leads, 12" tails
All units factory terminated with above cold leads, and ½" NPT glands
Tolerance on wattages +/-10%

Standard Off the Shelf Heating Cable designs:

Cross Reference - * Common designs - Mineral Insulated Snow Melting Cables
** Custom cable designs available upon request, see next page*

			Wattages on various voltages				
Common Model #	**TRM Model #**	**Length (ft)**	**120V**	**208V**	**240V**	**347V**	**600V**
Grace	MI-Heat-220/120	108	220	650	875	------	------
Gary	MI-Heat-425/120	55	425	------		------	------
Parry	MI-Heat-2000/240	140	500	1500	2000	------	------
Host	MI-Heat-1600/208	68	535	1600	------	------	------
Puck	MI-Heat-590/120	40	590	------	------	------	------
Union	MI-Heat-2100/240	264	530	1561	2100	------	------
Emma	MI-Heat-2300/208	95	765	2300	------	------	------
Verna	MI-Heat-3200/240	177	800	2400	3200	------	------
Lisa	MI-Heat-1100/120	66	1100	------	------	------	------
Myra	MI-Heat-3100/208	132	1030	3100	------	------	------
Rona	MI-Heat-4000/240	240	1000	3000	4000	------	------
Betty	MI-Heat-5200/240	280	1300	3900	5200	------	------
Ella	MI-Heat-6000/240	320	1500	4500	6000	------	------
Ida	MI-Heat-5500/208	260	1830	5500	------	------	------
Irma	MI-Heat-7500/240	375	1920	5700	7500	------	------
Nancy	MI-Heat-7000/208	310	2300	7000	------	------	------
Magna	MI-Heat-9000/240	550	2300	6800	9000	------	------
Juno	MI-Heat-12000/240	630	3000	9000	12000	------	------
Susan	MI-Heat-17000/240	717	4300	13000	17000	------	------
Ice	MI-Heat-4100/600	225	------	------	660	1375	4100
Sleet	MI-Heat-5800/600	310	------	------	930	1950	5800
Snow	MI-Heat-8000/600	428	------	------	1280	2675	8000
Drift	MI-Heat-11000/600	548	------	------	1750	3700	11000

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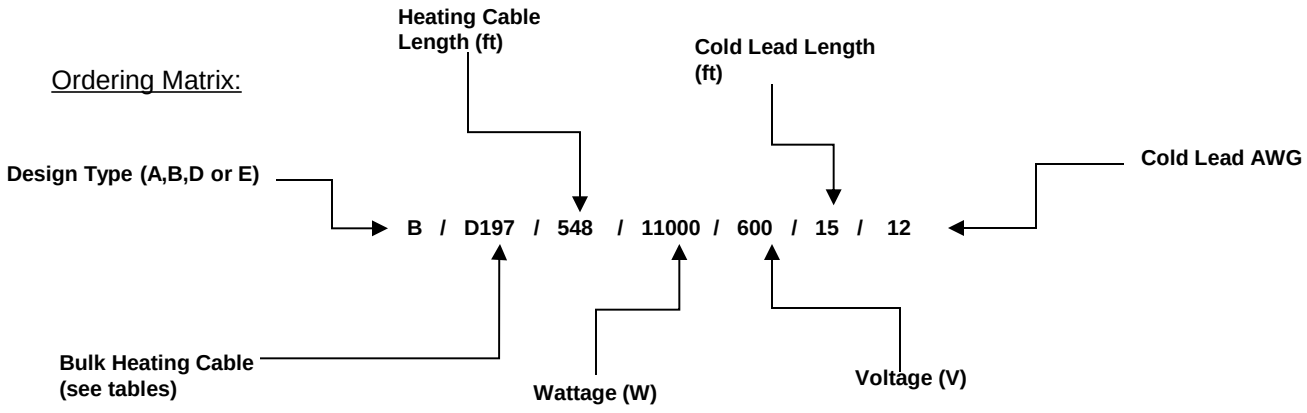
Custom Made to order Heating Cable designs:

TRM Custom Copper MI Cables

** Custom cable designs using these parts available upon request*

Heating Cable Bulk Reference #	Ohms Resistance per foot	Max Voltage	AWG Size	Max Amps per CEC
D2000	0.61	300	# 14	20
D1280	0.39	600	#12	25
D984	0.3	600	#10	40
D656	0.2	600	#8	70
D492	0.15	600	#4	135
D345	0.105	600		
D262	0.08	600		
D197	0.06	600		
D131	0.04	600		
D98	0.03	600		
D66	0.02	600		
C33	0.01147	600		
C21	0.00730	600		
C13	0.00452	600		

Ordering Matrix:



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