

## TYPE MIE COPPER SHEATH MI HEATING CABLE

- Process Pipe Heating
- Freeze Protection Heating
- Snow Melting
- Roof & Gutter Deicing
- Frost Heave Protection
- Tank & Vessel Heating

### DESCRIPTION

Trasor Mineral Insulated type MIE heating cable is ideal for a wide range of industrial and commercial heating applications. It has resistive heating conductors embedded in highly compressed magnesium oxide insulation and covered with a copper sheath. The copper sheath is seamless die drawn and fully annealed. It is hand formable to conform to any shape.

The low resistance copper sheath is an ideal ground path. MI heating cable is totally inorganic and will not deteriorate with age.

Available with a high-density polyethylene (HDPE) jacket for corrosive environments or for extra ruggedness when embedded in concrete.

### TYPE MIE HEATING CABLE SPECIFICATIONS

Table 1

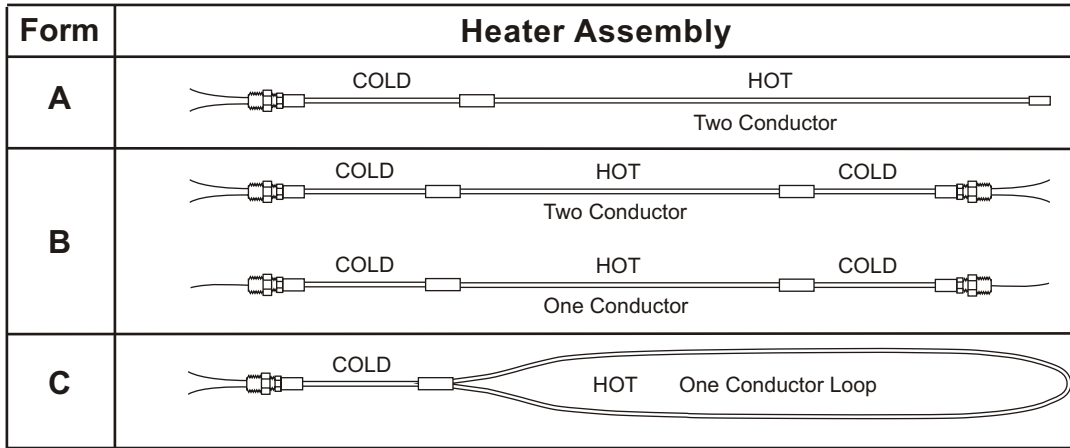
Two Conductor Heating Cable					One Conductor Heating Cable				
Size	Ohms/Ft.	V max	O.D.	Lbs./Ft.	Size	Ohms/Ft.	V max	O.D.	Lbs./Ft.
25E2	0.800	300	.165"	.046	R26E	0.610	600	.140"	.035
23E2	0.600	300	.175"	.059	R25E	0.390	600	.148"	.045
21E2	0.400	300	.183"	.054	R23E	0.300	600	.153"	.045
20E2	0.300	300	.190"	.060	R21E	0.200	600	.155"	.056
18E2	0.200	300	.185"	.061	R20E	0.150	600	.157"	.049
19E2	0.125	300	.195"	.077	R18E	0.105	600	.165"	.052
182	0.124	300	.246"	.116	R17E	0.080	600	.169"	.054
17E2	0.100	300	.208"	.065	R16E	0.060	600	.175"	.056
16E2	0.070	300	.240"	.065	R14E	0.040	600	.189"	.058
14E2	0.044	300	.283"	.080	R13E	0.030	600	.199"	.065
12E2	0.028	300	.325"	.094	R11E	0.020	600	.214"	.074
R17E2	0.095	600	.267"	.117	R20C	0.010 <sup>2</sup>	600	.188"	.056
R16E2	0.070	600	.309"	.150	R18C	0.00651 <sup>2</sup>	600	.199"	.067
R14E2	0.044	600	.340"	.181	R16C	0.00409 <sup>2</sup>	600	.215"	.078
R12E2	0.028	600	.371"	.224	R14C	0.00258 <sup>2</sup>	600	.230"	.224

1 All cables are available with high density polyethylene jacket. Add suffix "H" to cable size (Example: 25E2 becomes 25E2H). The HDPE jacket will add .08" to the cable diameter.

2 Copper conductor heating cable, resistance increases with temperature rise. Multiply resistance times 1.15 when heating cable is embedded in concrete or sand.

**HEATER FORMS**

**Table 2**



**SPECIAL FEATURES**

**Table 3**

Option	Description
<b>-C1</b>	1/2" reversed gland on hot to cold joint.
<b>-C2</b>	3/4" reversed gland on hot to cold joint.
<b>-E</b>	Puller eye end cap.
<b>-G</b>	Glass wrapped hot section
<b>-P</b>	P.V.C. jacketed cold section
<b>-R</b>	Heater on non-returnable reel
<b>-U</b>	Listed NEMA 7 termination fitting
<b>-X</b>	Other, specify

**COLD SECTION SIZES**

**Table 4**

Two Conductor		One Conductor	
Gauge	Max Amps	Gauge	Max Amps
16	20	14	30
14	25	12	40
12	30	10	55
10	40	8	70
8	50	6	75

Cold leads available with PVC jacket for corrosive environments. See Special Features, select (-P).

**HEATER CATALOG NUMBER SYSTEM**

**MIE - R14E - B - 250 - 07 - 07 - P / 12**

