

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 copper sheath has a low resistance and is an ideal ground path.

MI heating cable is totally inorganic and will not deteriorate with age. It is 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				
Size	Ohms/Ft.	V max	O.D.	Lbs./Ft.
25E2	0.800	300	.165"	.046
23E2	0.600	300	.175"	.059
21E2	0.400	300	.183"	.054
20E2	0.300	300	.190"	.060
19E2	0.200	300	.185"	.061
18E2	0.125	300	.195	.077
182	0.124	300	.246"	.116
17E2	0.100	300	.208"	.065
16E2	0.070	300	.240"	.065
14E2	0.044	300	.283"	.080
12E2	0.028	300	.325"	.094
R17E2	0.095	600	.267"	.117
R16E2	0.070	600	.309"	.150
R14E2	0.044	600	.340"	.181
R12E2	0.028	600	.371"	.224

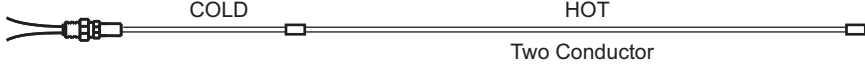
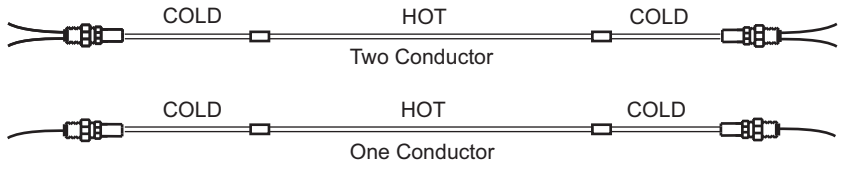

One Conductor Heating Cable				
Size	Ohms/Ft.	V max	O.D.	Lbs./Ft.
R26E	0.610	600	.140"	.035
R25E	0.390	600	.148"	.045
R23E	0.300	600	.153"	.045
R21E	0.200	600	.155"	.056
R20E	0.150	600	.157"	.049
R18E	0.105	600	.165"	.052
R17E	0.080	600	.169"	.054
R16E	0.060	600	.175"	.056
R14E	0.040	600	.189"	.058
R13E	0.030	600	.199"	.065
R11E	0.020	600	.214"	.074
R20C	0.010 ²	600	.188"	.056
R18C	0.00651 ²	600	.199"	.067
R16C	0.00409 ²	600	.215"	.078
R14C	0.00258 ²	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

Form	Heater Assembly
A	 <p>COLD HOT Two Conductor</p>
B	 <p>COLD HOT COLD Two Conductor</p> <p>COLD HOT COLD One Conductor</p>
C	 <p>COLD HOT One Conductor Loop</p>

SPECIAL FEATURES

Table 3

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

