

Mineral Insulated (MI) Heating Cable

What is MI Heating Cable?

MI Heating Cable is Mineral Insulated semi-rigid electric resistance wire heating cable. The resistance wire heating element is electrically insulated using Magnesium Oxide (Mineral) to ensure safe electrical insulation with maximum thermal transfer. The mineral insulation is then encapsulated in a metal sheath for extreme durability and environmental protection. MI cable is a durable and long lasting heating cable that is capable of heating to very high temperatures. MI cable can be used in both ordinary and hazardous locations/areas and is versatile enough that it can be used for a wide range of surface heating and radiant heating applications.

CABLE / WIRE



Product Highlights

- ✓ High temperature capability
- ✓ High-watt density
- ✓ High corrosion resistance
- ✓ Laser welded sleeves provide superior reliability
- ✓ Durable design for use in harsh environments
- ✓ Custom sizes available to meet your exact specifications



Ideal For

- Tanks and Vessels
- Power generation hoppers
- Pipe tracing
- Containers and drums
- Valves, flanges, metal tubes
- Radiant heaters
- Furnaces
- Floodgate heating
- Reactors
- Plate heating
- Pump heating
- Continuous heating ovens

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Specifications

- Maximum exposure temperature: 1832°F (1000°C)
- Maximum watt density: 76.2 watts/ft (250 watts/m)
- Outer sheath material options:
Stainless steel, Alloy 800 & 825, or Inconel 600
- Heat Conductor: Nichrome, Copper, or Copper alloy
- Series resistance cable
- Dielectric Mineral Insulation: MgO = Magnesium Oxide
- Cable diameter: 1/8" (3.2mm) up to 1/4" (6.5mm)
- Custom made units for your exact requirements
- Ingress protection rating: IP67 (waterproof)
- Standard cold lead length: 1.64ft (0.5m) †
- Standard voltage: 230VAC †
- Standard brass compression fitting connections: M20x1.5 †

† Other sizes, voltages, and fittings available



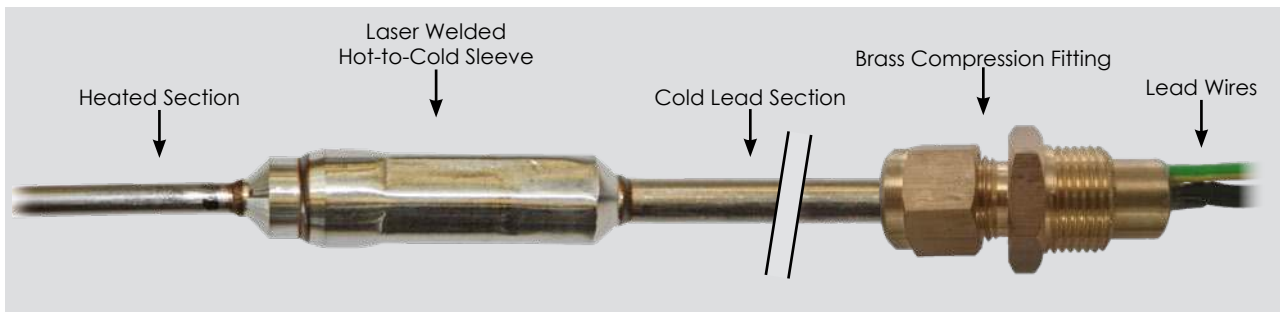
CABLE / WIRE

Chemical & Corrosion Resistance Chart										
Outer Material	Sulfuric Acid	Hydrochloric Acid	Hydrofluoric Acid	Phosphoric Acid	Nitric Acid	Organic Acid	Alkali	Salts	Seawater	Chloride
Stainless steel 321	N	N	N	N	D	E	A	A	N	N
Inconel 600	D	D	A	D	D	E	E	E	A	E
Alloy 825	E	E	E	E	E	E	E	E	E	E

E - Excellent
A - Acceptable
X - Application dependent
N - Not recommended

Other outer material options available upon request

MI Heating Cable Construction



Ordering Information

Please contact your local representative or BriskHeat for personalized application assistance.

NOTE: BriskHeat provides a complete system with all materials necessary for installation including heating cable, clamp bands, installation mesh, aluminum foil, stainless steel foil, and more.

IMPORTANT: Temperature controller is required for this product. See pages 86 through 104 for options.