

MINERAL-INSULATED HEATING CABLE

NEW!

Features & Benefits

- ▶ High temperature capabilities up to 1832 °F (1000 °C)
- ▶ Water resistant and high corrosion resistance — IP67 rated
- ▶ Choice of outer sheath materials: Stainless steel, Alloy 800/825, or Inconel 600
- ▶ Laser welded for superior reliability
- ▶ Customized for your application
- ▶ Extremely durable and corrosion-resistant — suitable for harsh environments
- ▶ High watt densities for faster heat-up
- ▶ Bend radius of 5x cable diameter



Temperatures
Up to
1832 °F (1000 °C)

Ideal for

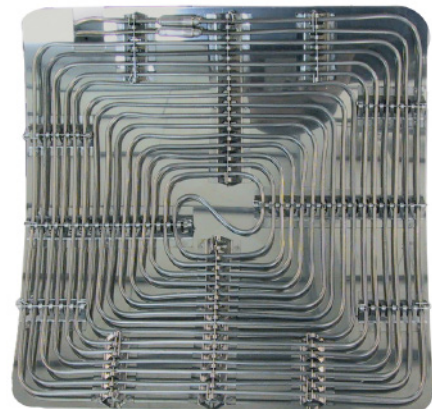
- | | |
|--------------------------------|----------------------------|
| • Tanks and vessels | • Furnaces |
| • Power generation hoppers | • Floodgate heating |
| • Pipe tracing | • Reactors |
| • Container heaters | • Plate heating |
| • Valves, flanges, metal tubes | • Pump heating |
| • Radiant heaters | • Continuous heating ovens |
| • Under water heaters | • Process heaters |



Can be bent and shaped to fit



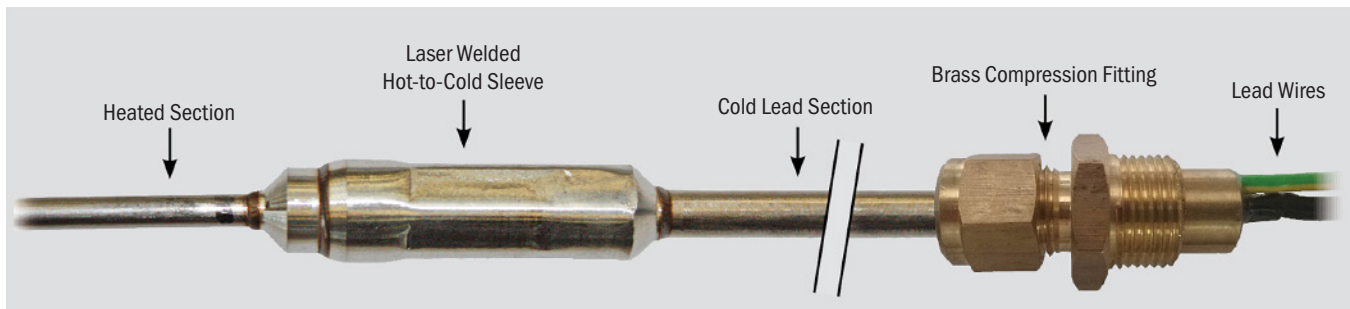
Ideal for a wide range of applications



Radiant heater application

MINERAL-INSULATED HEATING CABLE

Construction



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 resistance cable

Dielectric Mineral Insulation: MgO = Magnesium oxide

Cable Diameter: 0.125 in (3.2 mm) up to 0.25 in (6.5 mm)

Custom Lengths: Manufactured for your specific needs

IP Rating: IP67 (waterproof)

Standard Cold Lead Length: 1.64 ft (0.5 m)†

Standard Voltage: 230 VAC

Standard Brass Compression Fitting Connections: M20 x 1.5†

Minimum Bend Radius: 5 times the cable OD

† Other sizes, voltages, and fittings available



Hazardous Locations:
II 2 G Ex e IIC Gb
II 2 D Ex tb IIIC Db

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

Other outer material options available upon request

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



Ordering Information

Part No.	Description
Configure-to-order	Contact us today for a quote

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.

Accessories

Part No.	Description
70000000	MI Junction Box – 4.7 in (120 mm) x 4.8 in (122 mm) x 3.5 in (90 mm)
71000210	Clamping Band – .39 in W (10 mm) x 394 in L (10 m)
71000301	Turnbuckle – for 71000210, 25/pack

IMPORTANT: Temperature controller is required for this product. See options starting on page 145.