

Mineral-Insulated (MI) Heating Cable Design Checklist

Company: _____ Phone Number: _____

Contact Name: _____ Email or Fax: _____

Industry: _____ Salesman: _____

Address: _____

Application Temperature: _____ °F or °C Environment: Indoor Outdoor

Minimum Ambient Temperature: _____ °F or °C

Application:

Item to be heated or how will cable be mounted:

Voltage: 120 VAC 240 VAC Other: _____

Heated Length: _____ meter or _____ feet

Cold Lengths (both sides): 0.5 meter 1 meter 2 meters Other: _____

Wire Lead Lengths (both sides): 150 mm Other: _____ mm

Cable Material: Stainless Steel 321 Incoloy 600 Alloy 825 Please Recommend

Hazardous Rating: Ordinary Hazardous

Chemical Exposure: _____

Temperature Controller: BriskHeat (existing, list to the right) _____ By Others Please Recommend

Special Instructions:

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

Installation Note: Cable will have a minimum bend radius of 5 times the cable diameter (0.13 – 0.26 in; 3.2 – 6.5 mm).
When spiral wrapping, the minimum distance between wraps is 2 times the cable diameter.