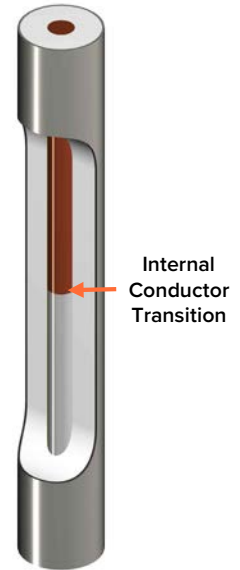
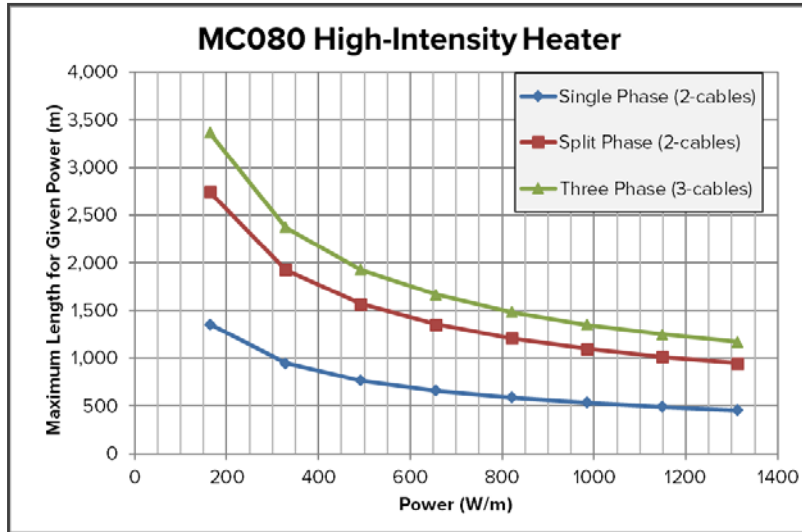




- (A) Conductor
- (B) Compressed MgO
- (C) Sheath



Salamander Solutions mineral insulated heater cables are manufactured using a continuous methodology, which enables long-length capability. Our patented manufacturing techniques produce mineral insulated cables which are unparalleled in performance, highly robust, and capable of delivering medium voltage power at long-lengths and high temperatures.

With continuous lengths of more than 2 km, external splicing can be minimized or eliminated altogether, greatly improving the reliability of the overall system. Internal transitions of the conductor allow for targeted heating in applications.

Each Salamander mineral insulated cable is designed and fabricated based on the heating requirements for the given application. A complete suite of high integrity cable and end connectors are available.

Applications:

In-Well Heating

- Reservoir heating for heavy oil and kerogen conversion
- Well flow performance improvement

Long Transfer Lines

- Bitumen and heavy oil lines
- Molten Sulphur transfer lines
- High viscosity and waxy crudes

Subsea and Deepwater Flowline Heating

- Hydrate prevention and mitigation
- Wax prevention

Any long-length or high intensity heating requirements in challenging conditions

Physical Data

Cable Diameter	0.80-inches (20.3 mm)
Sheath Material	Various Materials
Conductor Material	CuNi Alloy
Insulation Material	Compressed MgO
Weight	1.67 kg/m
Min. Bend Radius	0.5 meter
Pulling Tension	3 metric tons

Operating Data

Max Operating Voltage (L-L)	4.16 kV
Max Current	215 A
Max Temperature (Continuous)	650 °C (1200 °F)
Max Temperature (Intermittent)	700 °C (1300 °F)
Minimum Operating Temperature	-65 °C (-85 °F)
Minimum Installation Temperature	-35 °C (-30 °F)