

Mineral insulated heating cable units

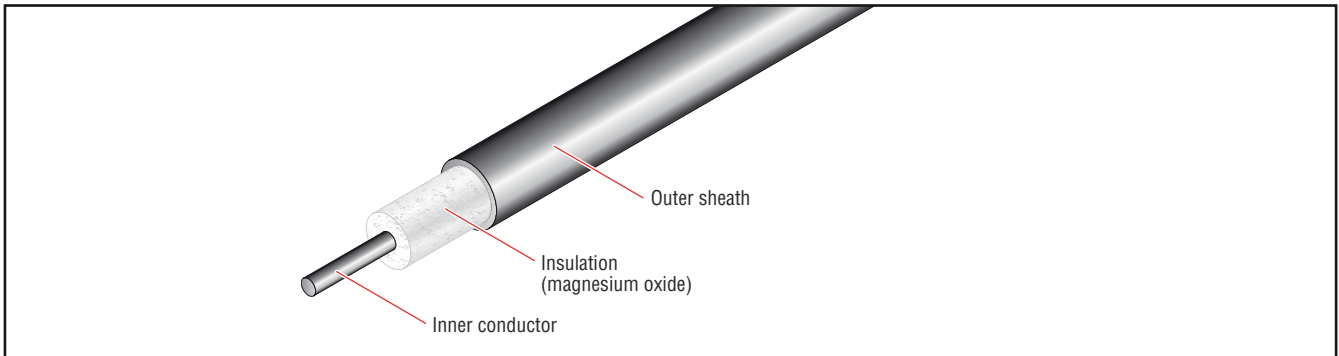
IMI-KMCN is a preterminated, mineral insulated heating cable with a copper nickel alloy metal sheath.

At heating conductor temperatures up to 400°C, the cable is mainly used for pipe trace heating and container heating in the

medium temperature range such as in heavy-fuel burner lines, silo heating, and defrosting lines on deep freeze equipment.

The heating cable is waterproof and can be used under both high pressure and vacuum conditions.

In most cases, the chemical resistance of the copper nickel sheath is similar to that of copper and is also highly resistant to sea water.



Area Specifications

Area classification	Nonhazardous, ordinary area
Ingress protection	IP68
Electrical protection class	Class I
Maximum withstand temperature (power off)	400°C
Minimum installation temperature	-60°C

Heater Construction

Type	Resistance heating cable
Material	Copper-nickel-alloy
Material of insulation	Magnesium oxide (MgO)
Material of outer sheath	Copper-nickel 70/30

Lead Connection

Glands	Standard M20
Connection length	0.5 m cold lead at each end. Other lengths possible on request.

Technical Data

Maximum operating voltage	300/500 Vac
Maximum operating temperature	400°C
Minimum bend radius	6 x OD
Minimum spacing	25 mm
Withstand tolerances	±10%