

MIT

Mineral Insulated (MI) Heating Cable

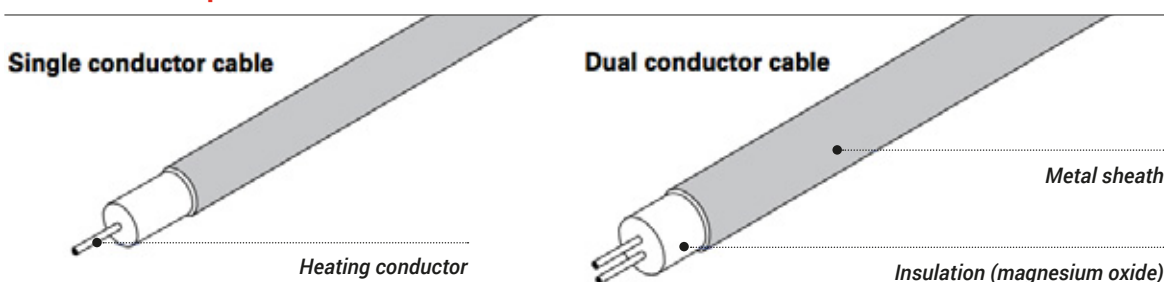
MIT and MITb high performance mineral insulated heating cables are used extensively for high temperature maintenance, high temperature exposure and/or high watt density applications which exceed the limitations of thermoplastic insulated cables. MIT cables are manufactured using Alloy 825, which is ideally suited for high temperature service that offers exceptional resistance to stress corrosion in chloride, acid, salt and alkaline environments.

- Especially designed for exposure to high temperatures
- Resists to steam purging
- Freeze protection
- Temperature maintenance – heating
- Insures viscosity control
- Protects against condensation
- Piping, tanks and equipment needing high exposure temperatures
- Designed for circuit lengths exceeding the limitations of parallel resistance heating cables (250 m)
- Particularly appropriate for the electric tracing of in bitumen plants, gas plants, oil refineries, reactors, vessels, sodium loops, etc.

Features

MIT cable sets are available in two factory-fabricated configurations: B or D. The standard assemblies consist of a predetermined length of heating cable joined to a standard non-heating cold lead with thermoplastic insulated pigtailed. The non-heating section of the unit is sealed and fitted with a sealed brass termination for connection into the supply junction box.

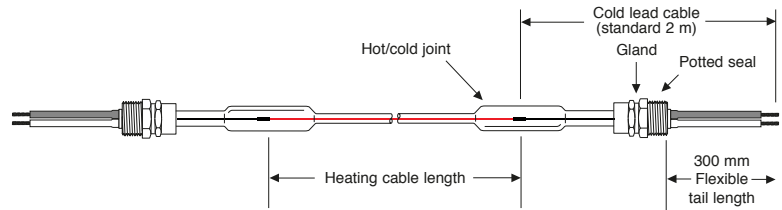
Visual Description



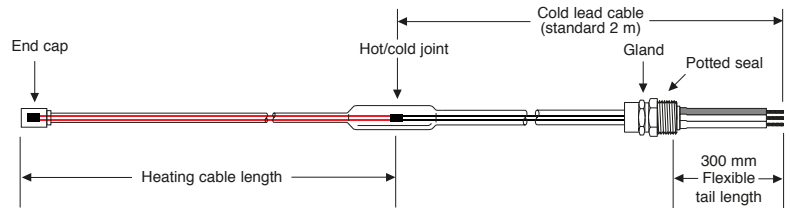
Benefits

- Exists with 2 structures: one conductor cable (MIT) and two conductor cable (MITb)
- The two conductor cable eases installation
- Excellent resistance to corrosion
- Multiple choices for outer jacket composition: Cupro Nickel, Inox, Inconel, Alloy 825
- Multiple resistors
- Adaptability to all specific applications
- Length of circuits from a few meters to several kilometres (in several sections)

MI heating unit type B (single conductor)



MI heating unit type D (dual conductor)



Technical Data

Maximum Watt density	Up to 270 W/m
Nominal voltage supply	Up to 300 and 600 Vac
Maximum maintenance temperature	Up to 600°C
Maximum continuous exposure temperature	Power-off: Up to 700°C
Minimum installation temperature	-60°C
Maximum circuit length	Up to several km
Minimum bend radius at -60°C	6 times cables diameter
Temperature rating	T1 to T6 according to studies

- Withstands continuous flammability testing according to IEC 603322-1: 1993
- Accessories tested according to ozone stability, UV and flammability according to ISO/IEC requirements
- Usage zones: ordinary, hazardous, zone 1, zone 2, zone 21 and zone 22



II 2 G Ex db IIC T1 to T6, Ta= -60°C to +55°C, IP66

This brochure has been carefully prepared to ensure technical accuracy but is only intended for promotional use. TRACELEC cannot guarantee that the information contained herein contains no errors or omissions, and hence does not accept responsibility related to the use of its equipment. TRACELEC maintain its obligations set forth in the Standard Terms and Conditions of Sale and will not, under any circumstances, assume liability for any incidental damages, indirect or consequential, arising from the sale, resale, use or misuse of this product. The purchaser(s) accept their responsibility as the sole judge(s) of the adaptability of the product for the intended use.

MIT is a trademark of TRACELEC © TRACELEC 2014

TRACELEC France & Group / Thermafrance sas / 105 rue Alexandre Dumas, 69120 Vaulx-en-Velin - France / T : +33 472 049 666 / ventes@tracelec.com
TRACELEC España / Tracelectric S.L. / c/ Josep V. Foix 10, 43007 Tarragona - Spain / T : +34 977 290 039 / ofertas@tracelec.com
TRACELEC UK / Tracelec Ltd. / 34 Threadneedle Street London EC2R 8AY - United Kingdom / T : +44 207 256 9339 / sales@tracelec.com
TRACELEC Maroc / Tracelec sarl / 11 rue El Wahda, Rés. Iman Ali, App. 2, 20130 Casablanca - Maroc / T : +212 522 300 197 / offres@tracelec.com

www.tracelec.com