

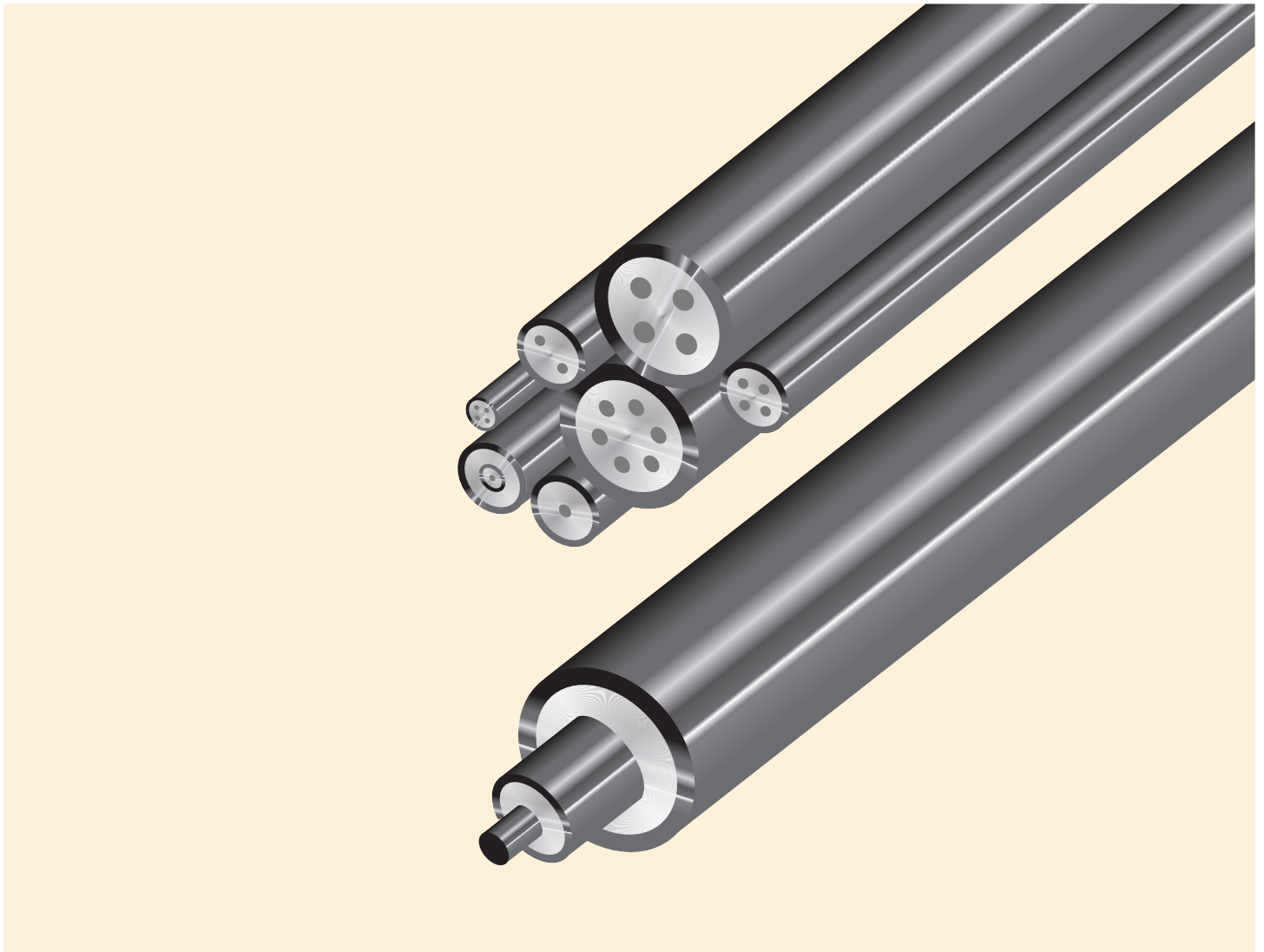


ENGINEERED SOLUTIONS  
FOR HEATING & SENSING

ISO 9001-2015



## MINERAL INSULATED HEAT TRACING CABLE



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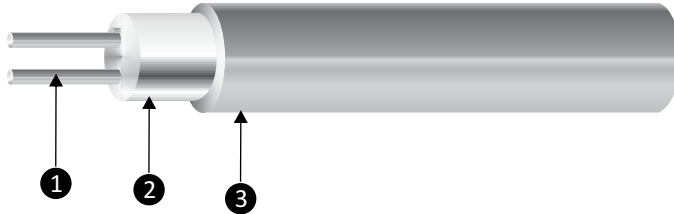
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## MINERAL INSULATED HEAT TRACE

### MIHT

#### Construction



1. Conductor
2. Insulation Material
3. Sheath Material

#### Introduction

A mineral Insulated (MI) cable essentially consists of one or two conductors of copper or alloy embedded in dielectric magnesium oxide insulation and surrounded by an Incoloy 825 sheath. These cables are recognized for their high temperature service and excellent protection against corrosion. Suitable for high temperature and harsh environments. Long circuit lengths and Uniform power along the entire length

#### Construction Data

|                      |   |
|----------------------|---|
| Sheath Material      | Alloy 825 / SS of 300X range / Customise                          |
| Number of Conductors | 1, 2 & 4  |
| Conductor Material   | Nichrome80/20, Copper, Copper-Nickel resistance alloy / Customise |
| Insulation Material  | MGO   |

#### Cable Specifications

|                           |                   |
|---------------------------|-------------------|
| Output wattage at 10°C    | Customise W/M     |
| Surface Temperature       | 800°C             |
| Max. exposure temperature | 955°C             |
| Min Bending radius        | 3D ( D - pipe OD) |
| Voltage                   | 230 V / Customise |

#### Maximum Circuit Length(M)

| Voltage - 230 VAC |               |                              |
|-------------------|---------------|------------------------------|
| Model             | Diameter (mm) | Max. Circuit Length ( meter) |
| MIHT              | 2             | 300                          |
|                   | 3             | 200                          |
|                   | 4             | 120                          |
|                   | 6             | 60                           |
|                   | 8             | 30                           |
|                   | 10            | 18                           |



Dual Side Welded Cold Region MI Cable



Welded Cold Region MI Cable



Extended Cold Region (ECR) MI Cable