

MI Heated Bundles for High Temperature and Extreme Conditions

DEKORON®
Unitherm™
Tubing Bundle Experts Since 1962

Dekoron® Unitherm™ MI Heated tubing bundles are used for the most demanding applications.

These bundles can be designed for operating temperatures up to 400°C (752°F). The Mineral Insulated Heating Cables installed in or supplied with the bundle can be rated for use in hazardous locations.

Standard fibrous glass or high-efficiency aerogel thermal insulations are available depending upon operating temperature. Weather-resistant continuous outer jacket designed for application.

Application:

- Freeze protection in high temperature lines
- Viscosity maintenance
- Maintain solution integrity
- Extreme operating conditions
- Hazardous atmospheres

Sample tube material:

- Welded and Seamless Stainless Steels
 - 316/316L
 - Alloy 825
 - Alloy 600
 - 304/304L
 - 6Mo
 - Specialty Alloys
- Polymers
 - PFA
 - PTFE
 - FEP
 - Custom Resins

Thermal Insulation:

- High efficiency, aerogel thermal insulation.
- Low chloride, non-wicking fibrous glass thermal insulation

Outer jacket materials:

- Lead-free UV Stabilized low temperature flame retardant PVC
- Halogen free UV Stabilized thermoplastic polyurethane
- High temperature UV Stabilized thermoplastic polyolefin

Dekoron® Unitherm™ MI Heated bundles are available in two styles.

The 2253/2263 Series bundles have the Mineral Insulated heater installed alongside the process tube.

This series is available in custom lengths depending upon the application.

The 2C84 Series bundles have an internal conduit that will allow the user to install the Mineral Insulated heating cable after the tubing is installed and secured.

This series is only available in 17ft to 24ft random straight lengths. Connection and splice kits are available.

MI Bundles with integral cable



2253/2263 MI Heated Bundles

4253/4263 MI Heated Bundles with high-efficiency thermal insulation

MI Bundles with heater conduit



2255/2265 Heated Bundles with conduit

4255/4265 Heated Bundles with conduit and high-efficiency thermal insulation

High efficiency aerogel thermal insulation limited to applications with a maximum exposure temperature of 204°C (400°F).

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