

PipeGuard® Series MI Tube Bundles

PIPEGUARD® SERIES MINERAL INSULATED HIGH TEMPERATURE ELECTRICALLY TRACED TUBE BUNDLES

Drexan Energy Systems Series Mineral Insulated High-Temperature Maintenance Electric Trace Tube Bundles. Tube Bundles are supplied by Dekoron® Unitherm™ LLC* and are thermally-insulated fluid transportation lines for use in applications requiring freeze protection, viscosity maintenance or condensation prevention where the line may be cleaned or purged using steam or hot gases. These bundles can be designed to operate at temperatures up to 400°C (752°F). The Tube Bundles supplied with Series MI cables are certified for hazardous locations. Series MI Tube Bundles can be ordered with heat trace cables or supplied with a heater conduit to accept heater cables in the field.

Each Bundle comprises the following elements:

- Single or multiple process tube(s)
- High temperature, Series MI heating element with SS or 825 sheath
- Heat reflective foil wrap
- Moisture resistant, non-wicking, inorganic fibrous glass thermal insulation
- Environmentally Sealed Outer Jacket

Additional features of this product are:

- Smaller OD than field-fabricated lines means better use of mounting space
- Maintenance-free – no open seams, no gaps in thermal insulation
- Consistent and predictable thermal characteristics
- Pre-engineered for reduced design cost



Series MI Cable installed



MI Bundles with Heater Conduit

The heating cable withstands exposure to temperatures up to 400°C (752°F) allowing the process tubes to be purged with 150 psig saturated steam.

APPLICATION

- Analyzer and instrument lines
- Impulse lines
- Viscosity maintenance
- Small diameter process lines
- Freeze protection

PRODUCT CHARACTERISTICS

SAMPLE TUBE MATERIALS:	• 316/3 16L	• 304/304L
WELDED AND SEAMLESS STAINLESS STEEL	• Alloy 825	• 6Mo
	• Alloy 600	• Specialty Alloys
POLYMERIC TUBES	• PFA	• FEP
	• PTFE	• Custom Resins
THERMAL INSULATION	• High efficiency, aerogel thermal insulation, max. exposure to 204°C (400°F)	
	• Low chloride, non-wicking fibrous glass thermal insulation	
OUTER JACKET MATERIAL	• Lead free UV stabilized low temperature flame retardant PVC	
	• Halogen free UV stabilized thermoplastic polyurethane	
	• High temperature UV stabilized thermoplastic polyolefin	

APPROVALS*



Class I, Div. 1/2, Groups A, B, C, D
 Class II, Div. 1/2, Groups E, F, G
 Class III

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FOR HEAT TRACER TECHNICAL ASSISTANCE CALL 1-800-663-6873 (NORTH AMERICA ONLY) OR +1.780.413.1774

*Above Approvals are for Drexan MI Series cables only. Regulatory approvals for Dekoron® Unitherm™ LLC tube bundles available upon request.