

Quartz Heating Tape

ISOTHERM provides high temperature, flexible electric heating elements. They were developed to offer the unique convenience of wrap-on heat for tubing, laboratory apparatus or any dry environment application where flexible surface spot heat is required.

Quartz Heating tapes are offered in many standard sizes, having watt densities from 3.25 to 8 watts per square inch, and temperature ratings up to 1000°C.

Construction:

The construction begins with bundled, fine strand resistance wire, 37 to 40 gauge, covered with a minimum of 2 layers of high temperature braided Silica yarn/HD Ceramic Beads. The insulated resistance wire is then knitted into a 'U' configuration, forming a flat tape. Once the lead wires are attached, the insulated wires are sandwiched between 0.5 mm Silica Cloth.

Application:

- Laboratory, general application
- Research and Development
- Pilot plant research heaters
- High-temperature hose heating
- Industrial applications, anywhere high temperature and flexibility are required (non-hazardous and dry locations only)

Features:

- Maximum exposure temperature up to 1000°C (900°F)
- Reliable
- Silica Yarn/HD Ceramic Beads Insulated
- Fast Thermal Response
- Highly flexible & rugged, knitted design
- High, medium and low watt density designs
- Constant wattage (min. ohm change cold to hot)

Technical Data:

- Heating elements: 36-40 gage resistance wire.
- Heating element MOC: NiCr 80/20
- Lead Wires: 500 mm standard or as per customer needs
- Wattage: 8 Watts/Sq inch
- Voltage: 110 V/220 V or as per customer needs.
- Heating element insulation: Silica Yarn/HD Ceramic Beads
- Dielectric strength: In excess of 2000 V
- Mounting Arrangement: Eyelets on opposite side(Optional)



Get in Touch with Us

ISO THERM® *Internationale*
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