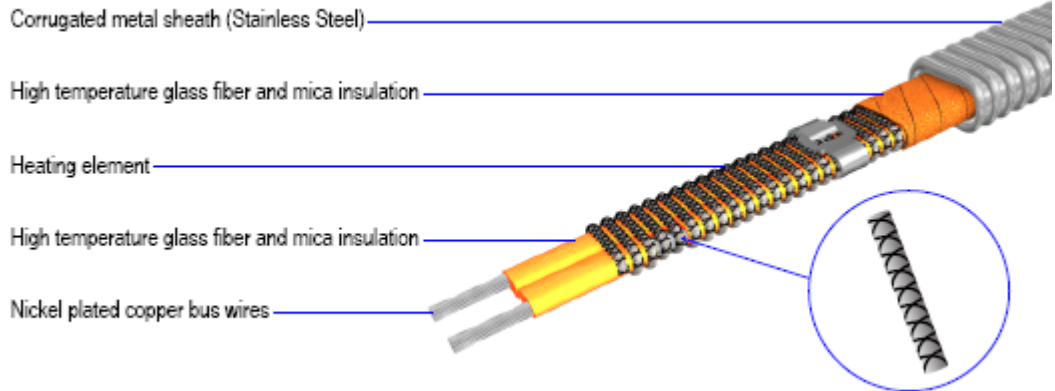


# DREXAN™ HeatTracer

## PipeGuard™ CMH™

Drexan™ HeatTracer PipeGuard™ CMH heaters are rugged, high-temperature, parallel circuit, inorganic, metal-clad, constant-wattage heating cables that can be used for freeze protection or process temperature maintenance on metal pipes and vessels in ordinary and hazardous electrical areas. PipeGuard™ CMH can be cut-to-length at site and can replace mineral insulated (MI) cables for most applications. PipeGuard™ CMH excels in modular construction applications or where precise piping engineering details are unavailable or in any application where its cut-to-length feature and field fabrication is preferred. PipeGuard™ CMH is offered in several types of corrugated metal sheath materials, and the user is encouraged to match the needs of the anticipated application to the heater product and the trade-offs between high engineering, field labor, and scrap material costs arising from field changes and heater material costs.

### PipeGuard™ CMH Cable Construction



#### Application

Area Classification	Non-hazardous and hazardous locations
Traced Surface Type	Metal Pipes
Chemical Resistance	Metallic outer jacket. For exposure to organic chemicals or corrosives.

#### Supply Voltage

PipeGuard CMHxx-120	120 VAC
PipeGuard CMHxx-208-277	208-277 VAC

#### Approvals

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

#### Design and Installation

For detailed design and installation assistance: contact Drexan™ Technical Support at 1-800-663-6873

#### Minimum Bend Radius

At 68Deg F (20Deg C): 1.00inch (25mm)

#### Ground Fault Protection

Drexan™ and National Electrical Codes both require ground-fault protection of components and each heating cable branch circuit to reduce the danger of fire caused by continuous electrical arcing resulting from improper installation or damage to the heating cable.

Heating Cables

### PipeGuard™ CMH

Product	Wattage (W/ft)	Voltage (VAC)	Bus Wire (AWG)	Circuit Length (FT)	Heater Width (Inches)	Thickness (Inches)	Maximum Continuous (DegC) Maintain	Exposure
5CMH120	5	120	14	260	0.57	0.47	300	350
10CMH120	10	120	14	245	0.57	0.47	280	350
15CMH120	15	120	14	200	0.57	0.47	250	350
20CMH120	20	120	14	170	0.57	0.47	200	350
30CMH120	30	120	14	140	0.57	0.47	150	350
5CMH208	5	208	14	450	0.57	0.47	300	350
10CMH208	10	208	14	425	0.57	0.47	280	350
15CMH208	15	208	14	345	0.57	0.47	250	350
20CMH208	20	208	14	300	0.57	0.47	200	350
30CMH208	30	208	14	245	0.57	0.47	150	350
5CMH240	5	240	14	508	0.57	0.47	300	350
10CMH240	10	240	14	490	0.57	0.47	280	350
15CMH240	15	240	14	400	0.57	0.47	250	350
20CMH240	20	240	14	345	0.57	0.47	200	350
30CMH240	30	240	14	280	0.57	0.47	150	350
15CMH277	15	277	14	462	0.57	0.47	250	350
20CMH277	20	277	14	400	0.57	0.47	200	350
30CMH277	30	277	14	325	0.57	0.47	150	350

### Physically Robust

- The heating elements in PipeGuard™ CMH consist of multiply redundant Nichrome resistance wires contained within insulating structures designed to cushion and protect the fixed-resistance wires from mechanical abuse.
- Contact points with the parallel-circuit buss wires are multiple-redundant and have been tested successfully under a variety of mechanical and electrical stress conditions.
- All CMH products have one-foot zones
- The combination of a tough, flexible metallic sheath and a cushioned interior envelope for the heating elements results in a heater that is extremely resistant to impact, abrasion, vibration and corrosion.
- PipeGuard™ CMH boasts a non-hygroscopic construction and will not seek to attract and hoard ambient water vapor molecules as do other metallic-sheathed heater constructions.
- PipeGuard™ CMH is designed and built to be capable of repeated flexing to its minimum bend radius without work-hardening and subsequent jacket-cracking.

### Installation

- The installation of PipeGuard™ CMH is quick and simple and requires few special skills or tools. Installers have three power connection options. Beside end connections, they can make centre feeds with powered splice or powered tee kits. 2, 3 or 4 heaters can be connected using splice, tee, and cross components, making as-built modifications in the field very simple. Where branch lines have smaller diameters and lower heat loss than larger headers, different wattages of CMH can be connected together using the same components.

### Components

Drexan™ offers a full range of components for power connections, splices, and end seals. These components must be used in order to ensure proper functioning of the product and compliance with warranty, code and approval requirements.