PipeGuard® CMH

CONSTANT-WATTAGE, METALLIC-SHEATHED, HIGH-TEMPERATURE HEATING CABLE

PipeGuard CMH is a cut-to-length, constant wattage heater engineered for high temperature trace heating applications (450^{0}C / 842^{0}F).

Intended as a replacement for series type Mineral Insulated (MI) cable, the design features of PipeGuard CMH make it a clear choice for freeze protection or process temperature maintenance on metal pipes and vessels in ordinary and hazardous electrical areas.

The corrugated stainless steel sheath provides a rugged outer jacket while remaining extremely flexible. Ease of handling coupled with a small bend radius greatly simplifies installation. Installation times for CMH are significantly less than for other heating cable types.

Parallel construction allows PipeGuard CMH to be cut-to-length in the field, making it an excellent choice for modular construction or any project where unexpected piping changes may occur.

The large surface area created by the corrugations results in a much lower sheath temperature than with series type MI cable. In hazardous locations with a low T-rating, fewer runs of heater cable are required resulting in a lower total installed cost.

PipeGuard CMH is available off the shelf in standard wattages and voltages, greatly simplifying project and MRO scheduling.

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 XXCMH-120	120 VAC
PIPEGUARD XXCMH-208-277	208-277 VAC

TEMPERATURE RATING

MAXIMUM EXPOSURE	450˚C (842˚F)

TEMPERATURE ID NUMBER (T-RATING)

Calculated value - design dependent

PRODUCT	WATTAGE W/FT.	VOLTAGE VAC	HEATER LENGTH FT. / M	MAXIMUM CONTINUOUS EXPOSURE TEMPERATURES POWER ON (˚C/˚F)	POWER OFF (˚C/˚F)
5CMH120	5	120	275/84	400 / 752	450 / 842
10CMH120	10		225/69	380 / 716	
15CMH120	15		150/46	350 / 662	
20CMH120	20		120/37	300 / 572	
30CMH120	30		75/23	250 / 482	
5CMH208	5	208	500/152	400 / 752	
10CMH208	10		335/102	380 / 716	
15CMH208	15		250/76	350 / 662	
20CMH208	20		210/64	300 / 572	
30CMH208	30		130/40	250 / 482	
5CMH240	5	240	600/183	400 / 752	
10CMH240	10		380/116	380 / 716	
15CMH240	15		290/88	350 / 662	
20CMH240	20		240/73	300 / 572	
30CMH240	30		150/46	250 / 482	
5CMH277	5	277	700/213	400 / 752	
10CMH277	10		450/137	380 / 716	
15CMH277	15		330/101	350 / 662	
20CMH277	20		275/84	300 / 572	
30CMH277	30		170/52	250 / 482	

GROUND-FAULT PROTECTION: Drexan and National Electrical Codes both require ground-fault protection of equipment and all heating cables. Ground-fault protection of components and each heating cable branch circuit reduces the danger of fire caused by continuous electrical arcing resulting from improper installation or damage to the heating cable. Following are some of the ground-fault breakers that satisfy this equipment protection requirement: Square D Type QOB-EPD or QO-EPD and Cutler Hammer (Westinghouse) Type QBGFEP.

PRODUCT CHARACTERISTICS

MINIMUM BEND RADIUS	@ 68˚F (20˚C): 1.0 in. (25 mm)
CIRCUIT BUS WIRE	14 AWG
WEIGHT (NOMINAL)	0.87 lb./10 ft. (130 g/m) Standard Shipping Length – 500 ft. (152 m) Reels – 94 lb. (43 kg)
HEATING CABLE DIMENSIONS	0.57 x 0.47 in. (14.5 x 11.9 mm)
COMPONENTS	Only Drexan approved cable terminations for power connections, splices, and end seals must be used in order to ensure proper functioning of the product and compliance with warranty, code and certification requirements.
APPROVALS	c UL us LISTED E471335

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

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