

## Constant Wattage® CWH

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

CWH Cable is a cut-to-length, constant wattage heater engineered for high temperature trace heating applications (450°C / 842°F).

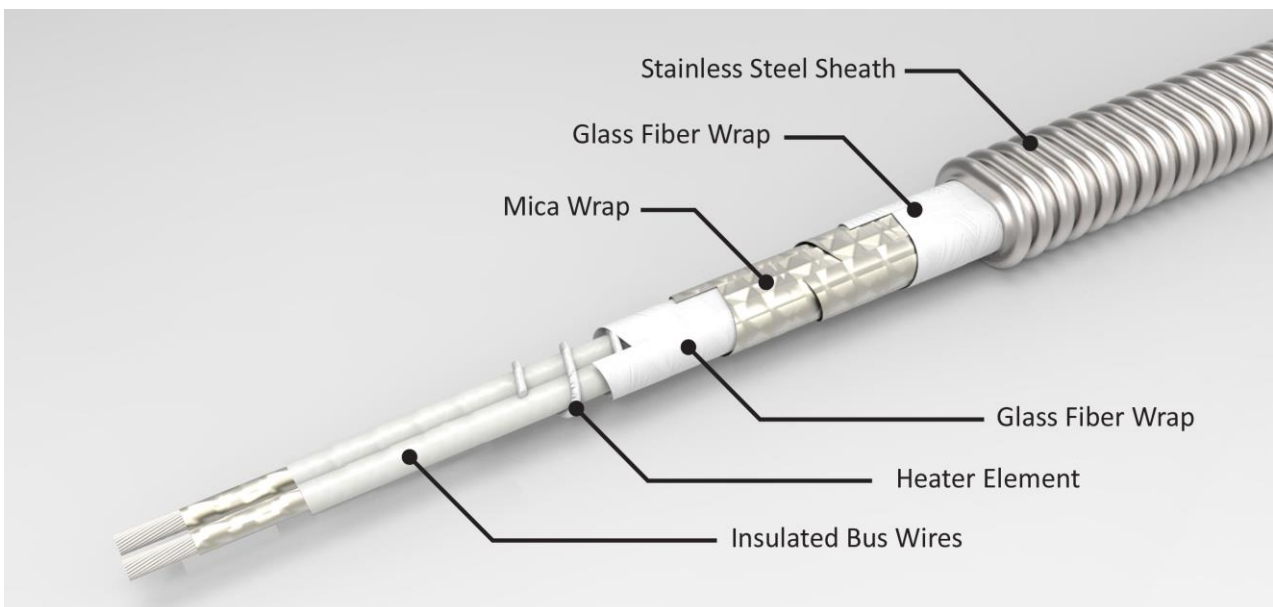
Intended to be used for many heating applications across all the sectors, the design features of Constant Wattage CWH make it a clear choice for freeze protection or process temperature maintenance on metal pipes and vessels in ordinary and hazardous areas.

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 CWH are significantly less than for other heating cable types.

Parallel construction allows Constant Wattage CWH 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.

Constant Wattage CWH 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

CONSTANT WATTAGE XX-CWH-120	120 VAC
CONSTANT WATTAGE XX-CWH-208/277	208-277 VAC

## TEMPERATURE RATING

MAXIMUM EXPOSURE	450°C (842°F)
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TEMPERATURE ID NUMBER (T-RATING)	Calculated value - design dependent
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PRODUCT	WATTAGE W/FT.	VOLTAGE VAC	HEATER LENGTH FT. / M	MAXIMUM CONTINUOUS EXPOSURE TEMPERATURES	
				POWER ON (°C/°F)	POWER OFF (°C/°F)
5CWH120	5	120	275/84	400 / 752	450 / 842
10CWH120	10		225/69	380 / 716	
15CWH120	15		150/46	350 / 662	
20CWH120	20		120/37	300 / 572	
30CWH120	30		75/23	250 / 482	
5CWH208	5	208	500/152	400 / 752	
10CWH208	10		335/102	380 / 716	
15CWH208	15		250/76	350 / 662	
20CWH208	20		210/64	300 / 572	
30CWH208	30		130/40	250 / 482	
5CWH240	5	240	600/183	400 / 752	
10CWH240	10		380/116	380 / 716	
15CWH240	15		290/88	350 / 662	
20CWH240	20		240/73	300 / 572	
30CWH240	30		150/46	250 / 482	
5CWH277	5	277	700/213	400 / 752	
10CWH277	10		450/137	380 / 716	
15CWH277	15		330/101	350 / 662	
20CWH277	20		275/84	300 / 572	
30CWH277	30		170/52	250 / 482	

**GROUND-FAULT PROTECTION:** CANSTAL 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)
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CIRCUIT BUS WIRE	14 AWG
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WEIGHT (NOMINAL)	0.87 lb./10 ft. (130 g/m) Standard Shipping Length – 500 ft. (152 m) Reels – 94 lb. (43 kg)
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HEATING CABLE DIMENSIONS	0.57 x 0.47 in. (14.5 x 11.9 mm)
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COMPONENTS	Only CANSTAL 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.
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## APPROVALS



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E471335

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

FOR HEAT TRACER TECHNICAL ASSISTANCE CALL 1-888-609-7505 (NORTH AMERICA ONLY) OR +1.780-707-8483