

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).

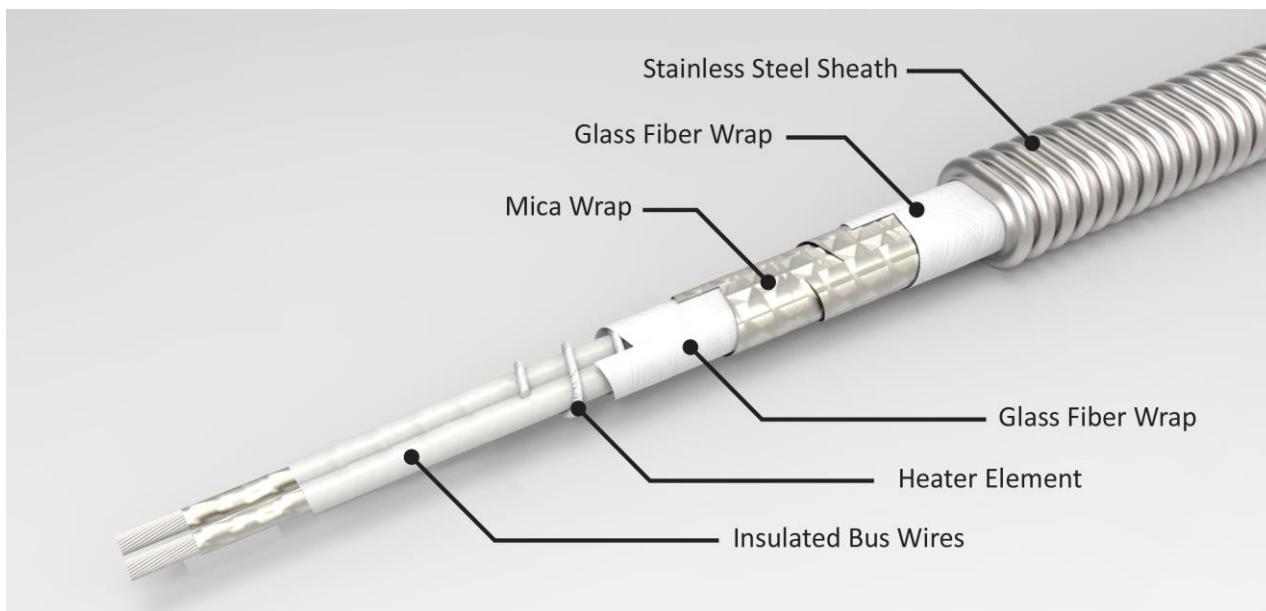
Intended to be used for many heating applications across all the sectors, the design features of Constant Wattage CWH make it a clear choice for freeze protection or process temperature maintenance on metal pipes and vessels in ordinary and hazardous areas.

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

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|---------------------|---|
| 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

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

TEMPERATURE RATING

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|------------------|---------------|
| MAXIMUM EXPOSURE | 450°C (842°F) |
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|----------------------------------|-------------------------------------|
| 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) |
| 5CWH120 | 5 | | 275/84 | 400 / 752 | |
| 10CWH120 | 10 | | 225/69 | 380 / 716 | |
| 15CWH120 | 15 | 120 | 150/46 | 350 / 662 | |
| 20CWH120 | 20 | | 120/37 | 300 / 572 | |
| 30CWH120 | 30 | | 75/23 | 250 / 482 | |
| 5CWH208 | 5 | | 500/152 | 400 / 752 | |
| 10CWH208 | 10 | | 335/102 | 380 / 716 | |
| 15CWH208 | 15 | 208 | 250/76 | 350 / 662 | |
| 20CWH208 | 20 | | 210/64 | 300 / 572 | |
| 30CWH208 | 30 | | 130/40 | 250 / 482 | |
| 5CWH240 | 5 | | 600/183 | 400 / 752 | 450 / 842 |
| 10CWH240 | 10 | | 380/116 | 380 / 716 | |
| 15CWH240 | 15 | 240 | 290/88 | 350 / 662 | |
| 20CWH240 | 20 | | 240/73 | 300 / 572 | |
| 30CWH240 | 30 | | 150/46 | 250 / 482 | |
| 5CWH277 | 5 | | 700/213 | 400 / 752 | |
| 10CWH277 | 10 | | 450/137 | 380 / 716 | |
| 15CWH277 | 15 | 277 | 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

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|--------------------------|--|
| 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 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. |
| APPROVALS |   Class I, Div. 1/2, Groups A, B, C, D Class II, Div. 1/2, Groups E, F, G Class III |
| | 231572 E471335 |

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