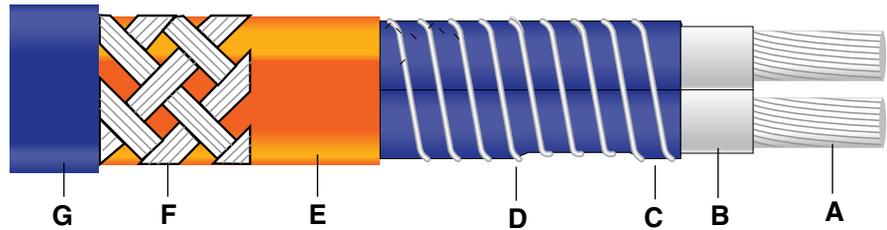


## CONSTANT WATTAGE HEAT CABLE



- ✓ Constant Output
- ✓ Cut to Any Length
- ✓ Lower Installation Costs
- ✓ Flexible

OMEGALUX® CWM (constant wattage medium temperature) heating cable is ideal for pipe tracing situations that require higher temperatures for process maintenance as well as freeze protection. No matter what length of cable is needed, the wattage (or heat) produced by each foot of cable remains unchanged.

### Standard Construction

- A. Bus Wires.** Twin 12 AWG copper bus wires provide reliable, consistent electrical current.
- B. Bus Wire Insulation.** 11 mil FEP jacket protects and electrically insulates bus wires.
- C. Inner Sheath.** This insulation jacket holds the 2 bus wires together and provides the wrapping surface for the nichrome heating wire.
- D. Nichrome Wire.** The nichrome resistance heating wire is the heating component of the cable.
- E. Jacket.** Flame-retardant insulation jacket is made from FEP material, which protects heating cable and ensures long service life. This material is also highly corrosion resistant.
- F. Metal Braid.** Plated copper braid covering the jacket provides a positive ground path.
- G. Optional Fluoropolymer Overjacket.** FEP jacket provides protection from most aqueous and chemically corrosive solutions. Add suffix “-CT” to model number.

### SPECIFICATIONS

#### Wattage:

4, 8, 10 and 12 W/ft

#### Power:

120V, 240V and 480V

#### Bus Wires:

12 AWG copper

**Bus Wire Insulation:** Each bus wire is insulated with an 11 mil FEP jacket.

#### Approximate Cable Size:

8 x 5 mm (5/16 x 1/8");  
CT only: 26 x 6 mm (1 1/2 x 1/4")

#### Minimum Bend Radius:

6 times minor diameter

#### Maximum Intermittent Exposure

Temperature/Power-Off: 200/392°C

**Steam Cleaning:** CWM can withstand 200°C (392°F), 150 psig steam purging of process piping when not energized

#### Third-Party Approvals:

Visit us online

#### Circuit Breaker Selection:

To determine the circuit breaker size required, divide the W/ft (at operating voltage) by the operating voltage; multiply the result times the total installed cable length in feet; multiply this result times 1.2 to get the minimum circuit breaker size



### Caution and Warning!

Fire and electrical shock may result if products are used improperly or installed or used by non-qualified personnel. See inside back cover for additional warnings.

### To Order

Output		Tinned Copper Braid (-C)		FEP Overcoat (-CT) and Tinned Copper Overbraid		Module Length mm (in )	Max Circuit Length m (ft)
Watts/ Foot	Volts	Model Number	Weight kg (lb)/ 1000'	Model Number	Weight kg (lb)/ 1000'		
4	120	<b>CWM4-1C</b>	43.5 (96)	<b>CWM4-1CT</b>	49.9 (110)	457 (18)	106.6 (350)
4	240	<b>CWM4-2C</b>	43.5 (96)	<b>CWM4-2CT</b>	49.9 (110)	762 (30)	213.3 (700)
8	120	<b>CWM8-1C</b>	43.5 (96)	<b>CWM8-1CT</b>	49.9 (110)	457 (18)	74.6 (245)
8	240	<b>CWM8-2C</b>	43.5 (96)	<b>CWM8-2CT</b>	49.9 (110)	610 (24)	144.7 (475)
12	120	<b>CWM12-1C</b>	43.5 (96)	<b>CWM12-1CT</b>	49.9 (110)	305 (12)	60.9 (200)
12	240	<b>CWM12-2C</b>	43.5 (96)	<b>CWM12-2CT</b>	49.9 (110)	610 (24)	121.9 (400)
12	480	<b>CWM12-4C</b>	43.5 (96)	<b>CWM12-4CT</b>	49.9 (110)	762 (30)	243.8 (800)

Minimum length of heating cable is 25 ft. Visit us online for heat cable accessories and controls.

**Ordering Example:** CWM12-1C, 120 Vac heating cable, 12 W/ft, 100-ft length.