

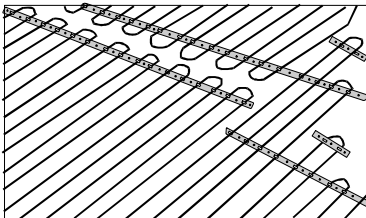
INSTALLATION INSTRUCTION -- "CL" HEATING CABLE READ CAREFULLY BEFORE BEGINNING INSTALLATION

1. Clean the room.
2. Make sure that the floor surface is free of any irregularities
3. **The heating cable length must not be altered, cutted or shortened.** However the cold lead can be cut to desired length. The identification label must be reattached for future identification.
4. All Copal's Heating Cables are fabricated of high quality materials and have been tested prior to shipping. Refer to the identification label at the end of the cold lead concerning the voltage and the cable type. It is recommended making a reading with an ohmmeter. The ohmmeter reading should match the resistance printed on the identification label.

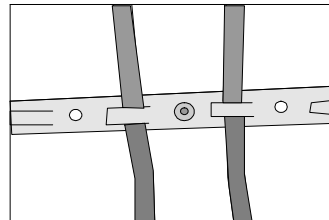
Installation

The installation needs two (2) concrete casting. Install prepunched strapping as per Drawing #1. Provide enough prepunched strapping to ensure that the cables remain in place during the casting. It is recommended to cover the cables with 1½" to 2" of concrete.

The cables must never cross an expansion joint.



Drawing #1



6. Connections

Use cable at voltage specified on the Identification label. Copal's heating cable is an electrical appliance and should be installed by a professional electrician. Its installation is under strict standards issued by electrical and building codes (national and/or local)

The heating cable must be control by an electronic thermostat which sensor install in a ½" diameter flexible PVC conduct at the floor level. The Electrical Code requires a Ground Fault Circuit Interrupter (GFCI) be used on the branch supply circuit for shock safety and fire protection.



Caution :

- The cables cannot be crisscrossed or overlapped.
- Avoid twisting the heating cable during the installation.
- Avoid shocks and injuries on the cable duct.
- Keep an 8" space in front of existing heating sources.
- Do not install under furniture that would prevent air dispersion.
- It is important that each cable be grounded properly (see drawing #2).
- Do not energize heating cables until concrete has thoroughly cured.
- Do not use rubber or vinyl backing carpets.
- Wrong voltage, even brief, applied on the heating cable would damage it.

Testing :

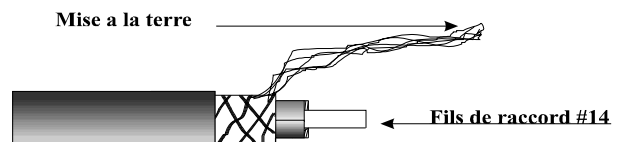
Verify heating cable continuity BEFORE and AFTER concrete pour. Using a minimum 1000 volts insulation meter.

**Available sizes*

THE CL TYPE HEATING CABLES

# Câble	Linear feet	WATTS	VOLTS
CL100	59	299	240
CL140	76	389	240
CL175	98	490	240
CL450	145	725	240
CL850	186	938	240
CL700	215	1072	240
CL800	245	1237	240
CL1100	325	1626	240
CL1500	445	2232	240
CL1550	470	2357	240
CL1800	500	2560	240
CL2050	636	3235	240
CL2800	845	4260	240

** Also available in 208volts et 347volts*



Drawing #2

WARRANTY :

COPAL warrants to the original purchaser its heating cables against all defects relative to parts or labour for a 10-year period from the date of purchase for installation.

COPAL commits itself to replace any cable that could be found defective relative to parts or labour during the said period of 10 years provided that a written notice to this effect is forwarded to Copal within the prescribed delay. Such repair or replacement is and will be COPAL'S SOLE OBLIGATION. Distribution and regulation equipment is subject to manufacturer's warranty rules and is normally not covered by this present warranty. Please follow manufacturer's recommendations to install such equipment.

AUTHORISED DISTRIBUTOR: