

Ultimate Comfort

We provide luxurious yachts with the ultimate comfort – heated floors.

STEP Heating Element™ will eliminate the chill of cold floors.

STEP Heating Element™ can be installed under most floor coverings – including ceramic and porcelain tile, natural stone, hardwood and laminates, resilient and carpet.



The elements can be installed in any area, providing additional heat and a warm floor to the touch.

STEP Heating Element™ is cut to length on the job site making it ideal for both new construction and retrofit. The system is available for floor warming, partial or complete heating.

Applications



STEP Marine™ Radiant Heat



STEP
marine™

Austin, TX
512-750-6823

St. Louis, MO
877-783-7832

www.STEPmarine.com
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Technology

STEP Heating Element™ is a patented, thin and flexible semi-conductive polymer element and can be cut to length on site.

The heating elements are self-regulating and cannot overheat. The nature of the material automatically reduces or increases its heat output to adjust to temperature changes.

STEP Marine Radiant Heat™ can be installed on most surfaces, e.g., under decks, in walls, etc. and is designed for a lifetime continuous duty, 24V AC or DC.

Maintenance

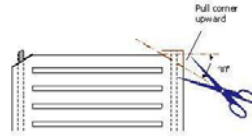
Electro Plastics' radiant heating systems have no moving parts and require virtually no maintenance.

Efficiency

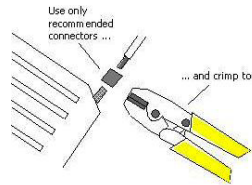
STEP Heating Element™ is wide and flat, giving an optimal heat transfer to the surface. With this revolutionary and unique technology from Electro Plastics, STEP Marine Deicing™ and STEP Marine Radiant Heat™ use less energy than any known heating system.



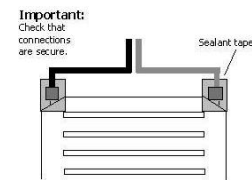
Installation



To expose the two longitudinal bus braids, cut the plastic on each side of the braid with scissors or make a score in the plastic, front and back, with a knife. Bend the element where the cut is made and pull off the corners to remove the surplus of plastic. **Make sure that the bus braid is not cut or damaged;** should this occur, re-cut the element and re-strip the bus braids.

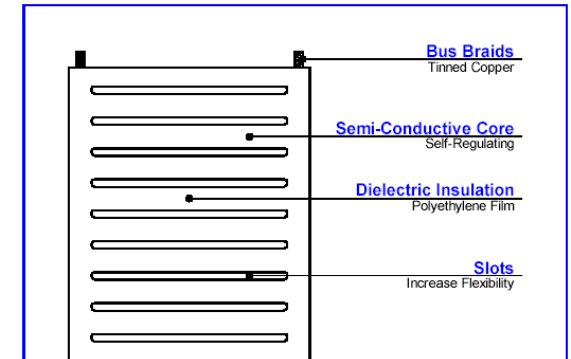


Connect the bus braid to a supply wire, 2.5 mm² (#14AWG) or 3 mm² (#12AWG) PVC insulated, stranded tinned copper wire, 105°C, 600V. Crimp the joint using the recommended tinned copper connectors and crimp tool. Using components not recommended by the manufacturer will void the warranty.



To differentiate the polarities supplied to the element, use two different wire colors, i.e., black and white. Insulate the connections using recommended sealant tape. Fold tape and press together overlapping element, connector and wire to form a flat, and smooth splice.

STEP Heating Element™



The EP-30-2-32W-24V STEP Marine™ heating element is designed to provide floor warming for marine applications. The heating element is constructed of two parallel bus braids embedded in a semi-conductive polymeric heating element.

Width: 12" (305 mm)
Thickness: 3/64" (1.2 mm)
Length: cut to order with a 180ft (55m) max shipping spool length
Weight: 0.23 lb/ft (0.34 kg/m)

Approvals

