

For all Tigerflex® Hoses with a grounding wire using Tigerflex® Banding Sleeves or Banding Coils



WARNING

Failure to properly couple a hose or ensure continuity can result in property damage and serious or life-threatening injury! Kuriyama of America, Inc. shall not be liable if you do not follow the procedures outlined below. Always refer to the NAHAD HSI Industrial Assembly Guidelines for the latest hose assembly and testing industry practices.

For safety, Kuriyama of America, Inc. strongly suggests that any hose assembly used to transfer gasoline or gasoline vapors be bonded to ground before being put into service.

Some Tigerflex® Hose Series are manufactured with a stranded copper wire in the rigid PVC helix. The wire is to be physically extracted from the helix and bonded

(connected) to ground through the metal coupler/fitting, or by other means. A properly bonded/grounded hose assembly should measure less than 10 ohms.

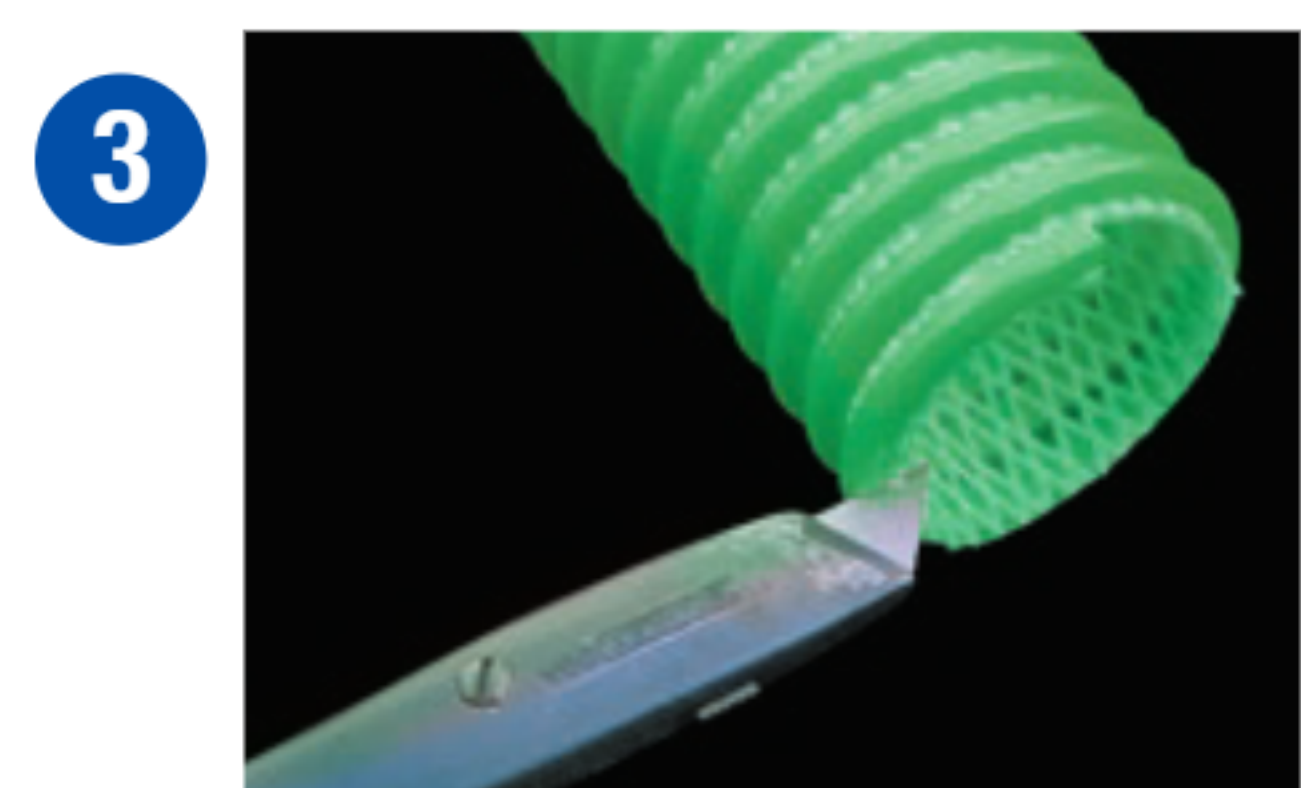
The person assembling the couplings to the hose should know how to check the hose assembly for continuity by properly using a continuity meter and/or an ohmmeter.

Note: Visual inspections should be conducted on a regular basis to ensure the hose assembly's continued safety.

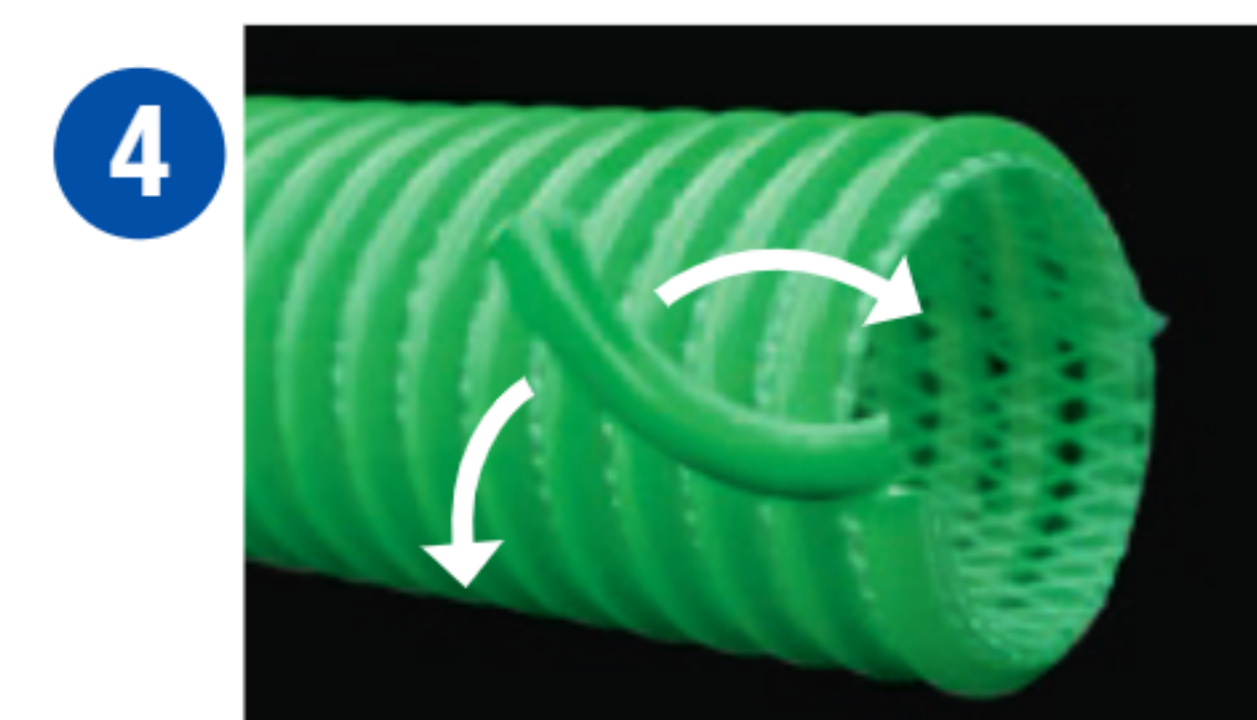
- 1** Check the grounding/bonding wire in the cut length of hose with a continuity meter or ohmmeter (ohmmeter should read less than 10 ohms).



Using a sharp knife, cut the flex around the circumference of the hose approximately 2".



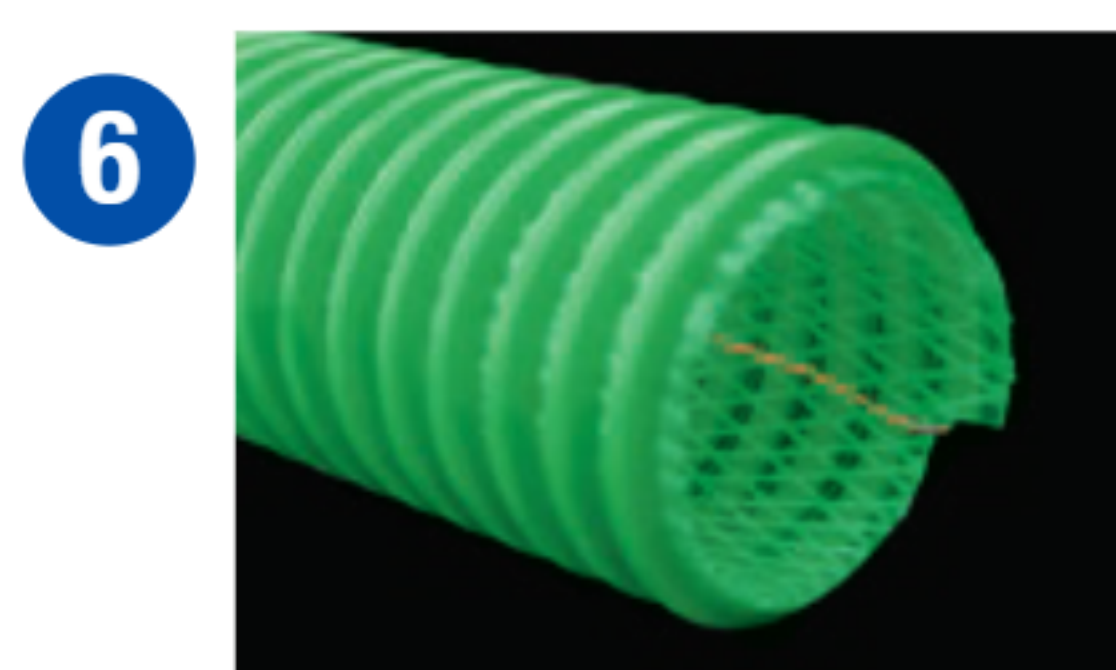
Using the knife, make a light cut around the entire circumference of the hose's rigid helix. Be careful not to cut too deeply into the helix, to avoid damaging the grounding wire. **TIP:** Cut all the way through the urethane (TDH, TV, TVDH, or VAPR) or nitrile (NDH) flex, but only score the underside of the helix.



Grasp the end of the hose's helix and carefully bend it back and forth until the helix snaps off. Be careful not to break the copper grounding wire.



Gently pull the broken end of the hose's helix off the copper wire. **TIP:** Pull with the curve of the helix.



Twist the copper grounding wire strands together and tuck the wire inside the hose.



Screw approximately 12" of banding coil or sleeve onto the hose (use appropriate lubricant as needed). Slip the banding clamps onto the hose. **TIP:** When using banding coils tighten clamps the same direction as the helix for better compression.



Insert the coupling shank into the hose, twisting counterclockwise for TDH, TV, TVHD, and VAPR and clockwise for NDH as it enters. For ease of installation, an appropriate lubricant may be used.



Insert the coupler into the hose until the hose seats against the bottom of the coupler.

- 10** Check continuity/ohmmeter reading again, between the couplings on each end.



Install two hose clamps over the hose end above the coupling. Be sure to tighten clamps in a clockwise direction for TDH, TV, TVHD, and VAPR, and a counterclockwise direction for NDH, so the banding coils tighten down on the hose.

- 12** Check continuity/ohmmeter reading again, between the fittings on each end of the hose assembly. The resistance should measure less than 10 ohms.



Visit **KuriCrimp.com** for additional crimping resources.

SCAN To VISIT



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