

# SHRINK-N-REPAIR™

WRAP-AROUND HEAT SHRINK



Shrink-N-Repair™ is a wrap-around heat shrink and, unlike other forms of heat shrink which are tubes, Shrink-N-Repair™ is a wrap, that wraps around your wires. You now have the ability to cover, wrap or bulk up your wires for better protection and organization. This wrap-around heat shrink offers a unique solution to repair damaged, cracked or chafed wires and cables. Shrink-N-Repair™ comes standard as a 3 foot roll which can be cut to your desired length and width, covering up to 1/2" diameter wires.

*Prior to beginning any work on production assemblies it is suggested that installers read the instructions closely and practice using this material on mockup assemblies. Personnel familiar with installing heat-shrinkable tubing will be aware of some of the general dos and don'ts when installing these types of materials. However, working with a split, heat-shrinkable material and a pressure-sensitive adhesive may present different handling requirements from standard tubing. Good results will be obtained by closely following the installation procedure.*

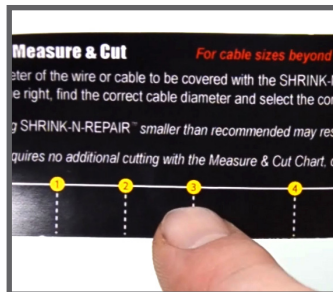
**THE ZIPPERTUBING®**  
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## INSTALLATION

- 01 Prior to installation be sure to prepare your wire or cable by removing any debris or oil residue. This can be accomplished by cleaning the area to be wrapped with isopropyl alcohol.
- 02 With your container in hand, pull the top off the Shrink-N-Repair™ and remove the Shrink-N-Repair™ from the container. Remove the band and save the Measure, Cut & Sizing Ruler for Step 3.
- 03 Lay your wire over the "Wire/Cable Diameter Size Reference" chart to determine the diameter of your wire.



- 04 While referencing the Measure & Cut sizing chart, choose the correct size for the diameter of your wire or cable. Follow the directions carefully.



Cut the Shrink-N-Repair™ to your desired length of repair, then measure and cut the repair piece to width.

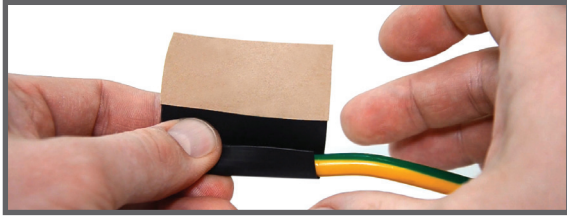


**Note:**

1. Sizing Shrink-N-Repair™ smaller than recommended may result in closure opening during the heating process.
2. If your wire or cable matches the size of the #4 on the Sizing Chart, then it requires no additional cutting. Simply follow the next part of this installation.

05

Next, wrap the **Shrink-N-Repair™** loosely around your repair area, no more than twice the diameter of the wire.



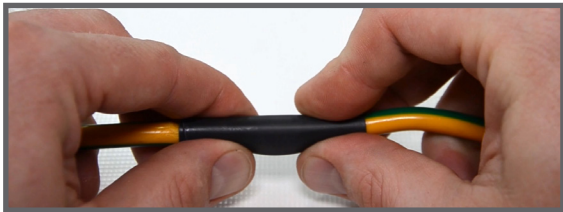
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Remove the adhesive liner and begin closing the two sides together, wrapping the adhesive side over the outside of the material.



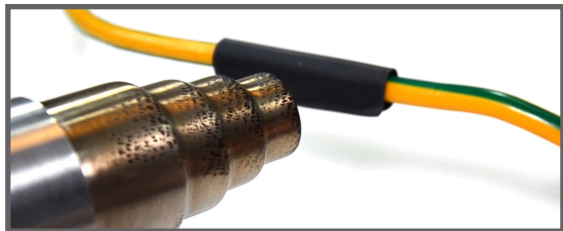
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Firmly press your thumb along the adhesive strip area to ensure proper adhesion & closure.



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Using a heat gun, apply heat at the adhesive strip first, and then move the heat evenly around the **Shrink-N-Repair™** and your wire.

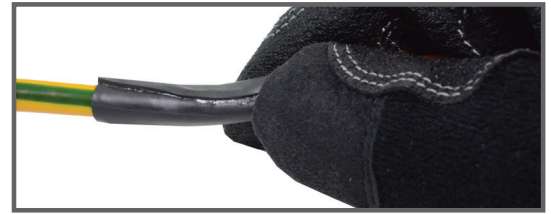


**Note:** If a lip on the adhesive occurs, remove the heat and allow for the **Shrink-N-Repair™** to cool. Once the **Shrink-N-Repair™** is cooled, press firmly on it to re-seat the adhesive back on to the wrapped portion.

**Caution:** This material will get **EXTREMELY HOT** during installation. Product will begin shrinking when temperatures reach above 195°F.

09

Once the **Shrink-N-Repair™** is fully cooled, remove any excess adhesive from the seam with your thumb.



**Caution:** Wear protective gloves. Never attempt to remove excess adhesive from installation immediately after heating. Adhesive will get extremely hot and could result in a burn. Also, never use any type of solvent to remove excess adhesive.

10

Your installation is now complete. If you would like to test your installation, feel free to move the wire back and forth to ensure proper adhesion.

## SPECIFICATIONS



|                        |                             |
|------------------------|-----------------------------|
| Dielectric Strength    | 500v/mil (after shrink)     |
| Elongation             | 200% (after shrink)         |
| Flammability           | Self-Extinguishing          |
| Fluid Resistance       | Excellent                   |
| Fungicide              | No Growth                   |
| Longitudinal Shrinkage | +/-5% (after heat recovery) |
| Material               | Cross-linked Polyolefin     |
| Material Thickness     | .035" - .055"               |
| Operating Temperature  | -67 to 275°F                |
| RoHS                   | Compliant                   |
| Shrink Temperature     | 194 to 250°F                |
| Tensile Strength       | 1500 psi (after shrink)     |
| Adhesive               | Acrylic (fiber reinforced)  |