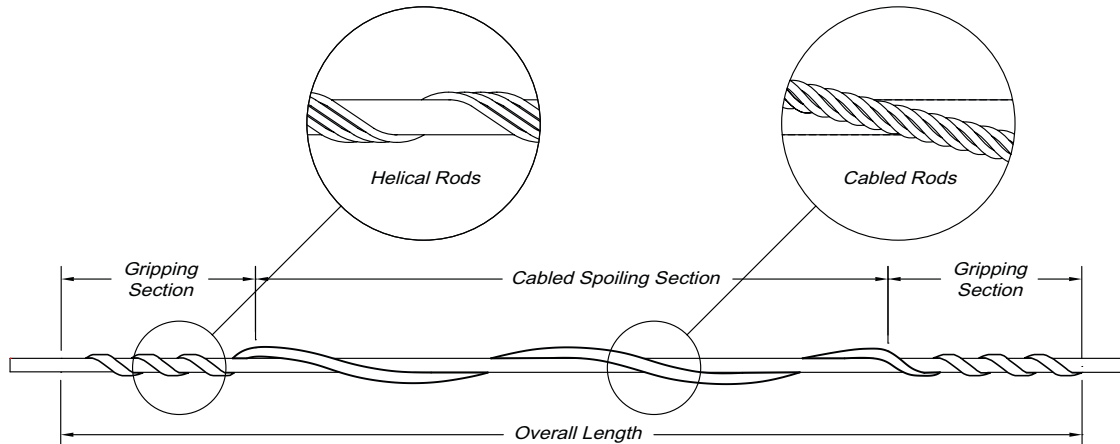




# High Temperature Air Flow Spoiler (HT AFS)

Be sure to read and completely understand this procedure before applying product. Be sure to select the proper PREFORMED™ product before installation.

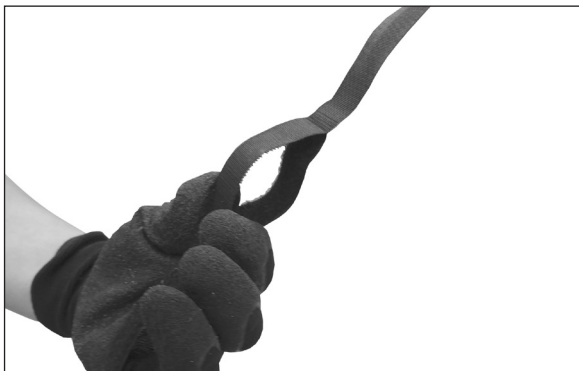


## NOMENCLATURE

**Gripping Section:** Grips cable. Consists of several pitches (360° wraps around the cable) and holds the Air Flow Spoiler firmly in position.

**Cabled Spoiling Section:** Disturbs aerodynamic lift. The spoiling section is wrapped around the cable in a manner which presents a constantly changing profile to wind flow and helps reduce lift the forces which cause galloping. The spoiling section is wrapped around the cable two times.

**Application Support Loop (ASL):** High Temperature Air Flow Spoilers range in length from 12 to 23 feet. The Application Support Loop is a gripping strap loop that attaches to both the HT AFS and the conductor. The loop allows the AFS to slide in easily down the conductor and keeps it in place while the gripping section on the opposite end is applied.

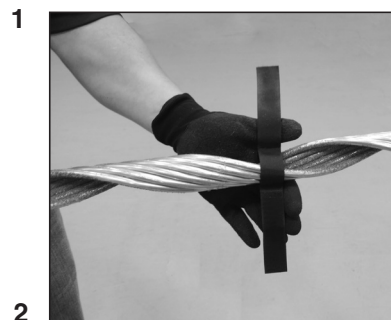


**Step #1** Once the location for the installation of the High Temperature Air Flow Spoiler has been chosen, attach the closed loop portion of the

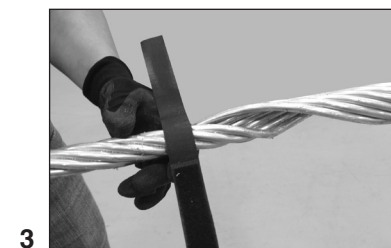


loop portion of the ASL over one of the gripping sections of the HT-AFS. Slide the ASL over the gripping section to the cabled section as shown in **Photo 3** below. Pinch down on the loop to ensure a good grip on the HT-AFS.

**PLP Tip:** For larger conductors, the

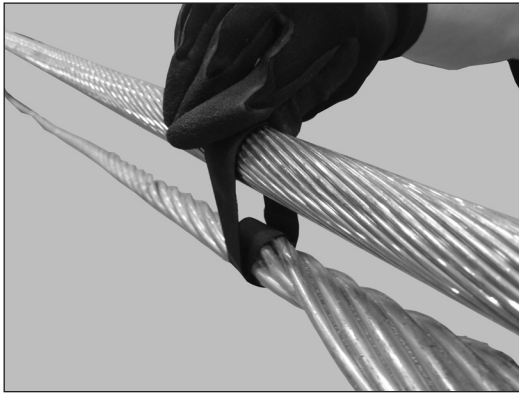
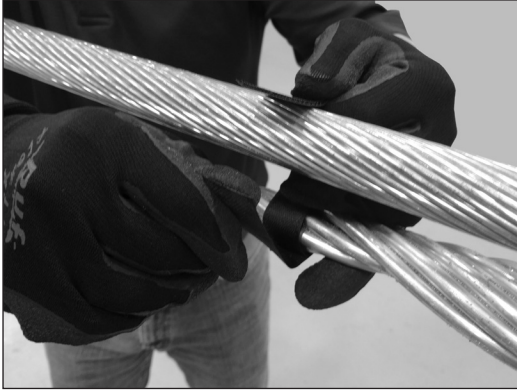


application support loop should be installed at around three-quarters of the distance along the Air Flow Spoiler to ease installation.



The loop does not need to be slid down the AFS in this case, and can be used as a simple loop to hang the AFS from the conductor.

**Step #2** Apply the other end of the ASL to the conductor.

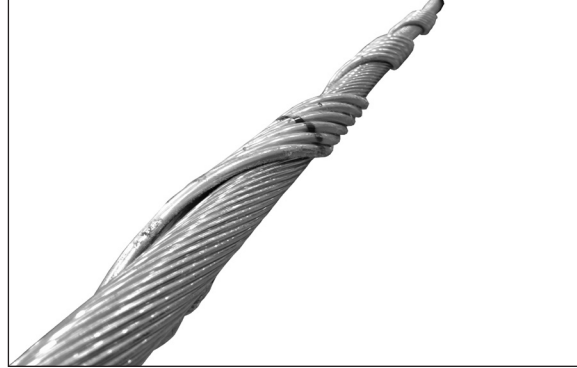
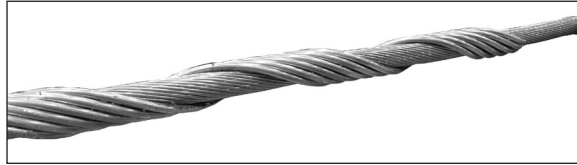


**PLP Tip:** Leave enough slack on the conductor section of the application support loop to make sliding the AFS down the conductor as easy as possible.

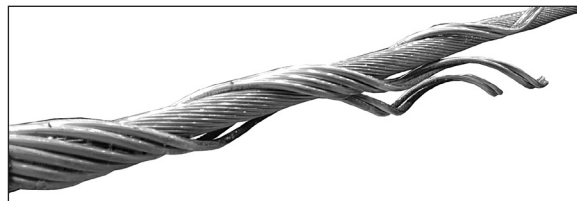
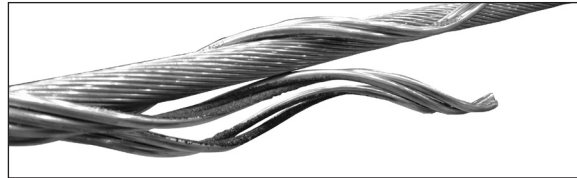
**Step #3** Slide the end of the HT-AFS with the ASL attached, away from you until the attached gripping section of the other end is in front of you and is in the right position.



**Step #4** Wrap on the first gripping section.



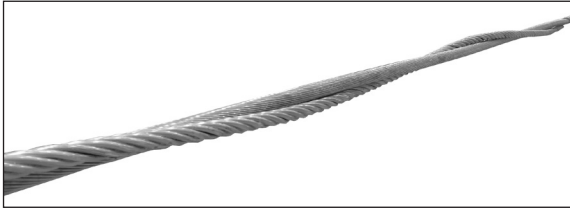
**PLP Tip:** Splitting the rods into sets of 2 or 3 rods can ease the application of the gripping section.



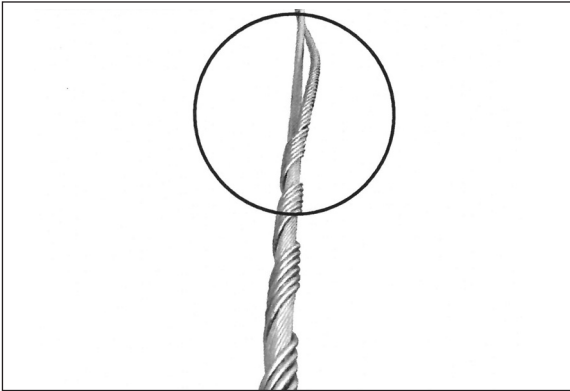
**Step #5** Move down to the opposite end of the HT-AFS and remove the ASL.



**Step #6** Begin wrapping the cabled spoiling section on the AFS in right-hand lay orientation. A minimum of two full wraps are needed to provide adequate coverage. For some larger sizes, a third wrap may be required. The gap between the AFS and the conductor should be minimized to ensure the best protection. For large conductors, the AFS may need to be pulled back as it is being applied to tighten the first cabled wrap. The number of wraps necessary to keep the spoiling section tight around the conductor may change with conductor size.



**CORRECT INSTALLATION:** Spoiling section wrapped tightly around the conductor.



**INCORRECT INSTALLATION:** AFS wrapped too loose around the conductor. Improper installation of the Air Flow Spoiler may cause strand damage to the conductor.

**PLP Tip:** Ensure that transition section (between the gripping and spoiling section) is installed properly and locked into place before wrapping the spoiling section. Improper installation of the transition section could result in unacceptable gap between the AFS and the conductor.



**Step #7** Wrap on the other gripping section using methods outlined in **Step 4**.



Fully installed High Temperature Air Flow Spoiler as shown above.

## **SAFETY CONSIDERATIONS**

This application procedure is not intended to supersede any company construction or safety standards. This procedure is offered only to illustrate safe application for the individual.  
**FAILURE TO FOLLOW THESE PROCEDURES MAY RESULT IN PERSONAL INJURY OR DEATH.**

This product may be removed and reinstalled during the initial installation if it is in good condition. After extended service life, it is recommended the product not be reused once removed from service.

**Do not modify this product under any circumstances.**

This product is intended for use by trained technicians only. **This product should not be used by anyone who is not familiar with, and not trained to use it.**

When working in the area of energized lines, extra care should be taken to prevent accidental electrical contact.

For proper performance and personal safety, be sure to select the proper size PREFORMED product before application.

PREFORMED products are precision devices. To insure proper performance, they should be stored in cartons under cover and handled carefully.



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