

APPLICATION PROCEDURES

CABLE-GRIP™

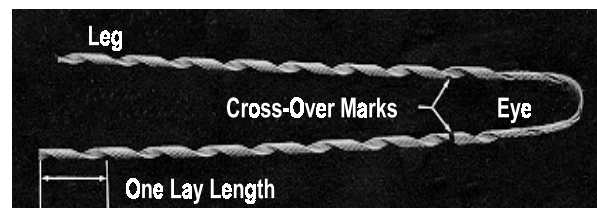
T E R M I N A T I O N

INSTALLATION GUIDELINES

1. Be sure to read and completely understand this procedure before applying this product.
2. PMI helical products are precision formed devices that should be handled carefully. To minimize grit loss, distortion, or damage, they should be safely stored until used.
3. The CABLE-GRIP™ Termination is designed for use on wire rope, jacketed and un-jacketed E/M cables. When applied on un-jacketed steel armored cables or wire rope, the CABLE-GRIP™ Termination must have the same lay direction as the cable armor. **CAUTION:** Never use a CABLE-GRIP™ Termination with an opposite lay direction. For other uses, including synthetic fiber cables and ropes, please contact PMI Industries, Inc.
4. The CABLE-GRIP™ Termination was developed as a strain relief product for data cables under 1.0" diameter. When applied to un-jacketed steel armored cables it is designed to hold (in most applications) 100% of the cable's rated break strength. For assistance in determining the load rating for this product or its performance on jacketed cables, contact PMI Industries, Inc.
5. The CABLE-GRIP™ Termination may be removed and re-installed only once upon initial installation and prior to any loading. If re-installation is necessary after a CABLE-GRIP™ Termination has been loaded, it must be replaced with a new termination.
6. A light seizing on the bitter end of wire rope will make wire rope applications easier.
7. A marlin spike or screwdriver may be used as an aid in splitting the legs and snapping the rod ends in place.
8. Use of a wire-rope thimble (not supplied) is recommended. The thimble should be rated to support the load and sized to conform to the CABLE-GRIP™ Termination eye when the legs are crossed (cross-over marks match). Consult PMI for recommended thimble sizes

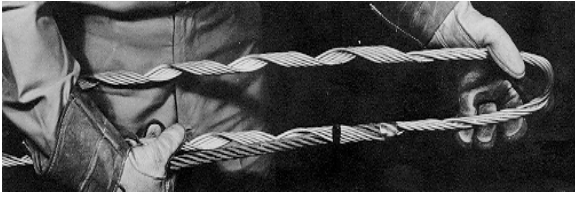
SAFETY CONSIDERATIONS

1. For proper performance and personal safety be sure to select the proper size product for your application.
2. This application procedure is not intended to supersede any company safety standards. This procedure is offered only to illustrate safe application for the individual. Failure to follow these procedures may result in personal injury.
3. Leather work gloves and eye protection should be worn when handling and installing this product.
4. When passing this product over a sheave, the sheave diameter needs to be at least 40 times the diameter over the helical rods (cable + applied rods). To prevent the rod ends from lifting off the cable when passing over a sheave, use tape and/or metal bands to serve the rod ends in place.

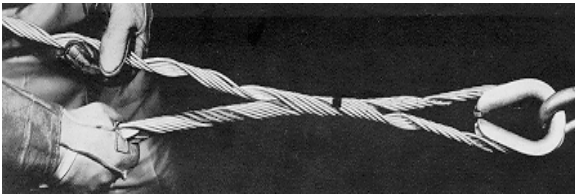
APPLICATION SEQUENCE


1. CABLE-GRIP™ Termination nomenclature.

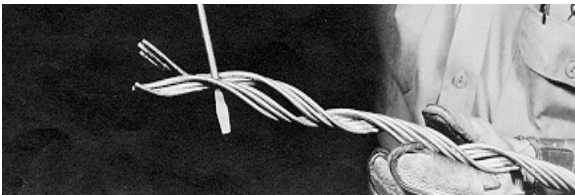
APPLICATION PROCEDURES



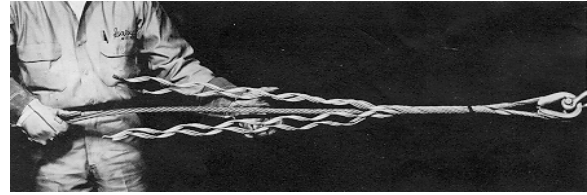
2. For wire rope, start the application by placing the end of the wire rope one or two inches past the cross-over marks, as shown. For E/M cable, extend the cable end a minimum of one foot beyond the cross-over marks. Starting at the cross-over marks wrap on approximately two lay lengths of one leg.



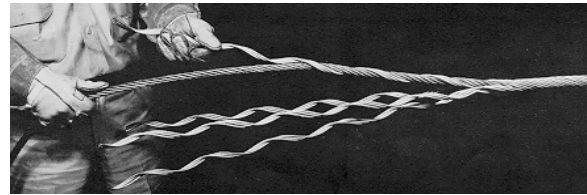
3. Install the wire rope thimble in the termination eye at this point in the application. Secure the eye in a shackle or over a pin to keep the eye from rotating. Match the cross-over marks and apply the second leg for the same distance as the first leg. Avoid winding the cable into the rods as this will make it difficult to fit the remaining rods onto the cable. For flexible cable, apply the rods with the cable under some tension. The stiffer the cable, the easier it is to apply the rods. Use care while handling not to permanently bend the rods.



4. Use a marlin spike or screwdriver to split the legs as shown.



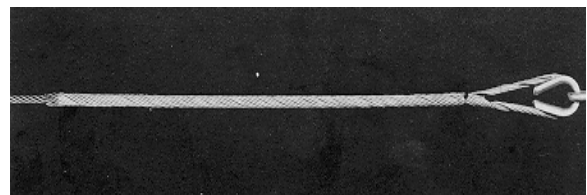
5. Split both legs back to the applied portion of the CABLE-GRIP™ Termination. NOTE: On large sizes it may be necessary to split the legs back to within one pitch length of the cross-over marks to begin the application.



6. Apply one split section from one leg followed by the second split section from the same leg.



7. Now alternately apply each split section of the second leg, one wrap at a time, until the second leg has been completely applied.



8. Make sure all rod ends are snapped into place and are laying on the cable. If necessary, tap rods down with a rubber mallet to help rods lie flat. Tape or bands may be used to serve the rod ends and avoid snags. The CABLE-GRIP™ Termination application is complete.

TROUBLE-SHOOTING

If application problems or difficulties occur, please contact PMI Industries, Inc.



PMI INDUSTRIES, INC. 5300 St. Clair Avenue, Cleveland, OH 44103 Tel: (216) 881-4914

SP-259,8/99