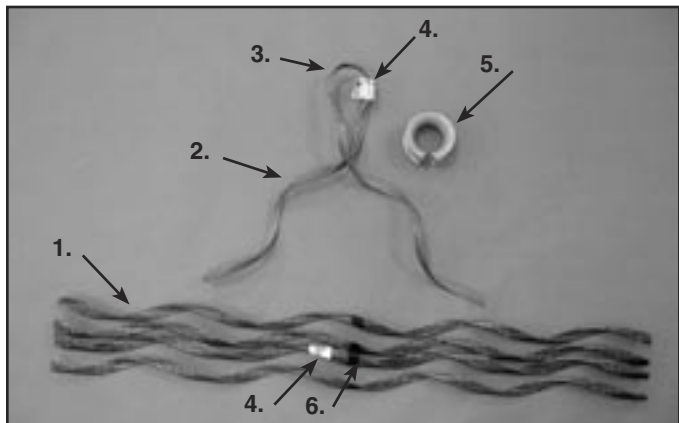




# FIBERLIGN® ADSS MIDSPAN DROP (FAMD)

ADSS is the acronym for all dielectric self supporting fiber optic cable

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



**FIGURE 1: NOMENCLATURE**

## 1.00 NOMENCLATURE

- 1. Structural Reinforcing Rods (SRR)
- 2. Midspan Connector
- 3. Crossover Mark
- 4. Identification Tags
- 5. PVC Thimble
- 6. Center Color Mark

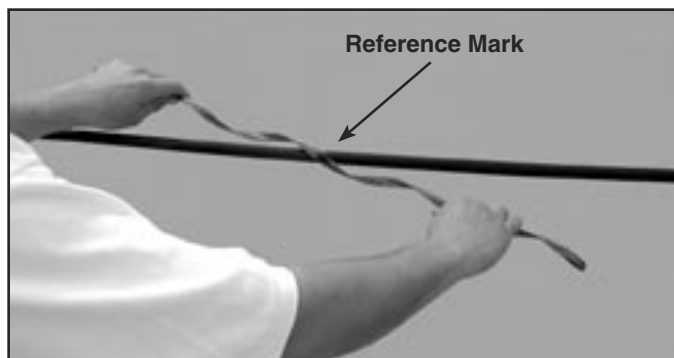
## 2.00 DESCRIPTION

**2.01** The FIBERLIGN® ADSS Midspan Drop (FAMD) allows up to 2 drop cables to be re-directed from midspan in cases where direct attachment from the pole to the premise is obstructed or restricted. The FAMD can be applied anywhere along the ADSS backbone cable, however, the ADSS backbone cable must be strong enough to endure the system side-load requirements. The FAMD can be loaded to 500# (226 kg) maximum perpendicular load. The PVC thimble is designed to support the loop of FIBERLIGN® ADSS Drop Cable Dead-Ends.

## 3.00 STRUCTURAL REINFORCING ROD (SRR) APPLICATION

**3.01** Determine the center of location for the FAMD and place a mark on to the cable. This will be used as a reference point for positioning the structural reinforcing rods (SRR) on the cable.

**3.02** Align the color mark of the first SRR subset with the reference mark on the cable (Figure 2).

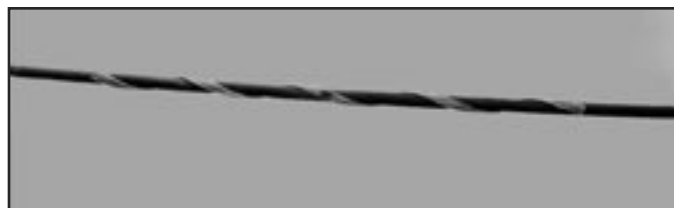


**FIGURE 2: ALIGNMENT OF FIRST SUBSET OF RODS**

**3.03** Wrap the first SRR subset on to the cable (Figure 3) and snap the ends into place (Figure 4).

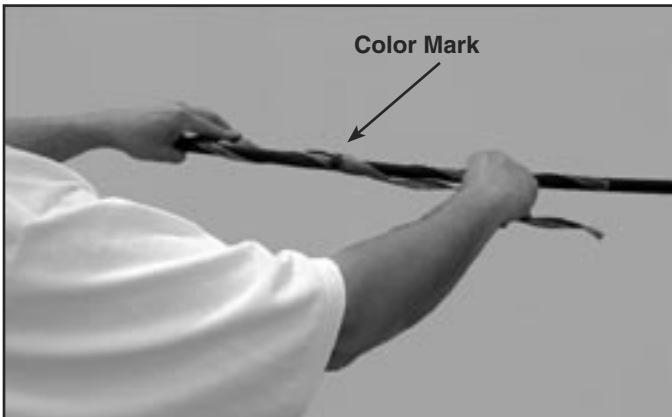


**FIGURE 3: WRAPPING OF FIRST SRR SUBSET**



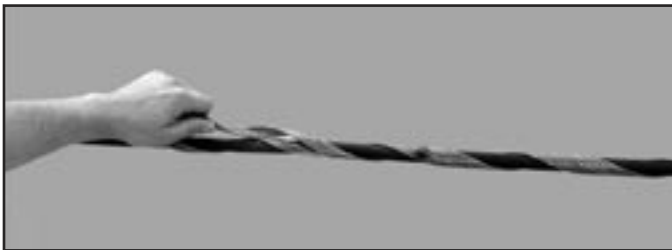
**FIGURE 4: FIRST SRR SUBSET INSTALLED** <sup>1</sup>

- 3.04** Align the color mark of the second SRR subset with the color mark of the first SRR subset that is already installed on the cable (Figure 5).



**FIGURE 5: ALIGNMENT OF SECOND SRR SUBSET**

- 3.05** Wrap the second SRR subset on to the cable and snap the ends into place (Figure 6).



**FIGURE 6: WRAPPING OF SECOND SRR SUBSET**

- PLP TIP:** It aids installation if you wrap a subset on the cable into a previously applied subset. Wrapping away from a previously applied subset can increase the gap between subsets and cause application problems at the ends of the unapplied subsets.

- 3.06** Apply the remaining SRR subsets as outlined in steps 3.04 and 3.05 (Figure 7).



**FIGURE 7: COMPLETED INSTALLATION OF SRR SUBSETS**

#### **4.00 MIDSPAN CONNECTOR APPLICATION**

- 4.01** Pull the legs of the midspan connector together to open the loop area and insert the PVC thimble as shown in (Figure 8).



**FIGURE 8: OPENING UP THE LOOP AND INSTALLING THIMBLE**

- 4.02** The formed loop of the midspan connector captures the PVC thimble (Figure 9).



**FIGURE 9: FORMING LOOP AROUND THIMBLE**

- 4.03** Align the center of the loop of the midspan connector with the color marks of the SRR (Figure 10).



**FIGURE 10: ALIGNMENT OF MIDSPAN CONNECTOR**

4.04 Wrap one of the legs of the midspan connector on to the SRR (Figure 11).



**FIGURE 11: WRAPPING OF THE FIRST LEG OF THE MIDSPAN CONNECTOR**

4.05 Finish installing the first leg of the midspan connector by snapping the leg into place and begin wrapping the other leg of the midspan connector on to the SRR (Figure 12).



**FIGURE 12: WRAPPING OF THE SECOND LEG OF THE MIDSPAN CONNECTOR**

4.06 Complete the installation of the midspan connector by snapping the second leg of the midspan connector into place (Figure 13).



**FIGURE 13: COMPLETED INSTALLATION OF THE FAMD**

## 5.00 INSTALLATION OF DROP CABLE USING FIBERLIGN® ADSS DROP CABLE DEAD-ENDS ON THE MIDSPAN CONNECTOR

5.01 Secure the ADSS drop cable to the ADSS backbone cable using UV resistant tie wraps or acceptable lash wrap around the SRR (Figure 14).



**FIGURE 14: INSTALLATION OF TIE WRAPS**

5.02 Insert the FIBERLIGN® ADSS drop cable dead-end through the PVC thimble of the FAMD (Figure 15).



**FIGURE 15: INSTALLATION OF DEAD-END ON FAMD**

5.03 Begin wrapping the legs of the dead-end around the drop cable starting at the crossover marks of the dead-end (Figure 16).



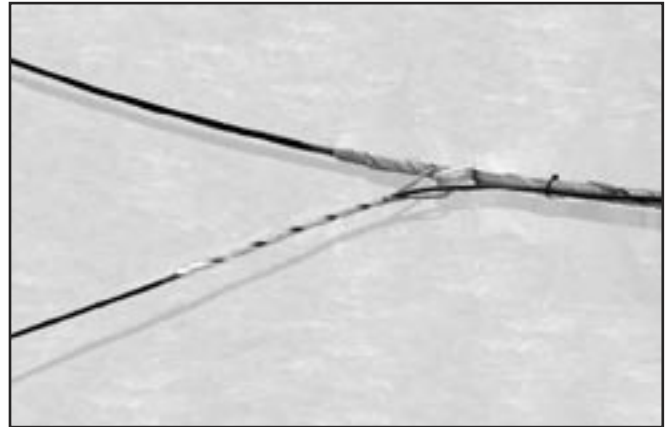
**FIGURE 16: BEGIN WRAPPING AT DEAD-END CROSSOVER MARKS**

**5.04** Continue wrapping the legs by pulling out and away from the cable until the ends of the legs snap in place (Figure 17).



**FIGURE 17: WRAPPING LEGS OF DEAD-END**

**5.05** The completed installation of ADSS drop cable with the use of a FIBERLIGN ADSS drop cable dead-end on the midspan connector is shown in Figure 18.



**FIGURE 18: COMPLETED INSTALLATION OF DROP CABLE**

### **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 is intended for a single (one time) use and for the specified application. **Do not reuse or 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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