

# FIBERLIGN® Motion Control Products

## FIBERLIGN Spiral Vibration Damper for OPGW



The FIBERLIGN Spiral Vibration Damper effectively reduces levels of aeolian vibration on Optical Ground Wire (OPGW) cables.

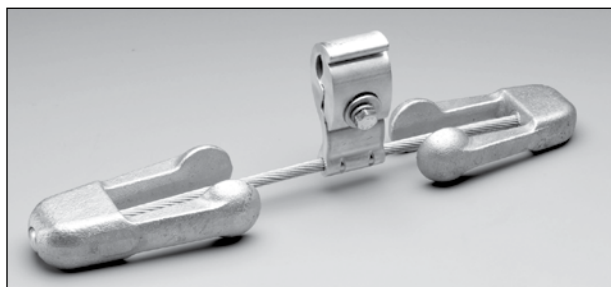
Each FIBERLIGN Spiral Vibration Damper has a helically formed dampening section sized for interplay of damper and cable, to provide the action/reaction motion that opposes the natural vibration wave. A smaller gripping section gently grips the cable so that cable and fiber are not damaged or distorted and there is no optical signal loss.

The degree of protection needed for a specific application depends on a number of factors such as cable type, line design, temperature, tension, and exposure to wind flow. Consult PLP® for specific recommendations.

FIBERLIGN Spiral Vibration Dampers for OPGW Cable					
Catalog Number	Diameter Range		Length inch (m)	Per Units	Carton Weight (lbs)
	inch	mm			
5050104	.327-.461	8.3-11.6	51 (1.3)	50	34
5050105	.462-.563	11.7-14.3	53 (1.3)	50	36
5050106	.564-.760	14.4-19.3	65 (1.65)	25	50

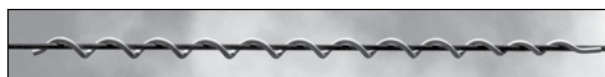
**Note:** Consult Preformed Line Products for recommendations on the number of dampers required per span.

## VORTX™ Vibration Damper



The VORTX Vibration Damper is a Stockbridge type damper. Consult Preformed Line Products for specific recommendations.

## FIBERLIGN Dielectric Dampers for ADSS Cable



ADSS cables tend to vibrate at higher levels than other cables of comparable size, mainly due to their relatively lighter weight. Also, the “soft” nature of their jackets and internal construction requires special consideration.

A special damper, called the FIBERLIGN Dielectric Damper, has been developed specifically for application on ADSS cables. It utilizes the same dampening characteristics as the FIBERLIGN Spiral Vibration Damper, plus provides more gentle gripping.

FIBERLIGN Dielectric Damper for ADSS Cable					
Catalog Number	Cable Diameter Range (inches)	Cable Diameter Range (mm)	Length inches (m)	Units (per carton)	Carton Weight (lbs.)
50502393	.250-.326	6.3-8.2	49 (1.24)	50	26
50502272	.327-.461	8.3-11.6	51 (1.30)	50	28
50502274	.462-.563	11.7-14.3	53 (1.35)	50	30
50509862	.564-.770	14.3-19.5	65 (1.65)	50	46
50503057	.771-.876	19.5-22.2	71 (1.80)	25	30
50503576	.877-1.00	22.3-25.3	75 (1.91)	25	35
50503909	1.001-1.25	25.4-30.5	90 (2.29)	25	40

**Note:** Consult Preformed Line Products for recommendations on the number of dampers required per span.

## FIBERLIGN Air Flow Spoiler

The central spoiling section of the FIBERLIGN Air Flow Spoiler suppresses galloping or dancing motion of OPGW or ADSS cables by providing a constantly changing aerodynamic profile.

Helical gripping sections on both ends of the FIBERLIGN Air Flow Spoiler secure the unit to the cable while minimizing compressive clamping forces.

The number and placement of FIBERLIGN Air Flow Spoilers in each span are determined by a computer program which considers the results of ongoing field and laboratory research.

Consult Preformed Line Products for specific recommendations.

