



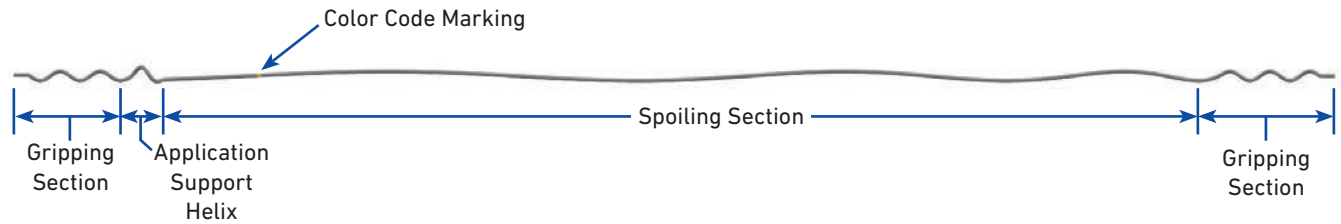
## FIBERLIGN® AIR FLOW SPOILER

The **FIBERLIGN® Air Flow Spoiler** is a motion control product used to suppress galloping or dancing motion of OPGW spans. Galloping can rapidly cause severe damage to the cable system. Using the recommended number of Air Flow Spoilers can mitigate galloping and increase cable longevity.

### FEATURES AND BENEFITS

- Central spoiling section suppresses galloping by providing a constantly changing aerodynamic profile
- Helical gripping sections on both ends hold the cable securely without excess clamping forces
- Number and placement of Air Flow Spoilers in each cable span is calculated using an internally-developed program based on ongoing field and laboratory research data.

## COMPONENTS



## ORDERING INFORMATION

- Select the appropriate catalog number from the first table using the OPGW diameter.
- Use the second table to determine how many spoilers are required for the cable span based on the length of the span
- Consult PLP to determine the exact placement of Air Flow Spoilers for each cable span

### FIBERLIGN Air Flow Spoilers

Catalog Number	Cable Diameter Range		Length		Wt/Unit (Lb)	Color Code
	in	mm	ft	m		
5058100	0.250 – 0.326	6.4 – 8.2	13.50	4.11	1.00	Red
5058101	0.327 – 0.461	8.3 – 11.6	13.50	4.11	1.00	White
5058102	0.462 – 0.563	11.7 – 14.2	14.00	4.27	2.25	Orange
5058103	0.564 – 0.760	14.3 – 19.2	14.50	4.42	2.40	Yellow
5058104	0.761 – 0.926	19.3 – 23.4	15.00	4.57	4.25	Blue
5058105	0.927 – 1.019	23.5 – 25.8	15.25	4.65	4.50	Black
5058106	1.020 – 1.165	25.9 – 29.5	15.75	4.80	5.50	Purple
5058107	1.166 – 1.469	29.6 – 37.3	16.00	4.88	5.75	Brown

### Number of Air Flow Spoilers per Cable Span

Span Length		Spoilers Per Span
ft	m	
0 – 120	0 – 36.6	2
120 – 180	36.6 – 54.9	3
181 – 240	55.2 – 73.2	4
241 – 300	73.5 – 91.4	5
301 – 350	91.7 – 106.7	6
351 – 400	106.9 – 121.9	7
401 – 450	122.2 – 137.2	8
451 – 500	137.5 – 152.4	9
501 – 550	152.7 – 167.6	10

Span Length		Spoilers Per Span
ft	m	
551 – 600	167.9 – 182.9	11
601 – 650	182.9 – 198.1	12
651 – 700	198.4 – 213.4	13
701 – 750	213.7 – 228.6	14
751 – 800	228.9 – 243.8	15
801 – 850	244.1 – 259.1	16
851 – 900	259.4 – 274.3	17
901 – 950	274.6 – 289.6	18
951 – 1000	289.9 – 304.8	19