



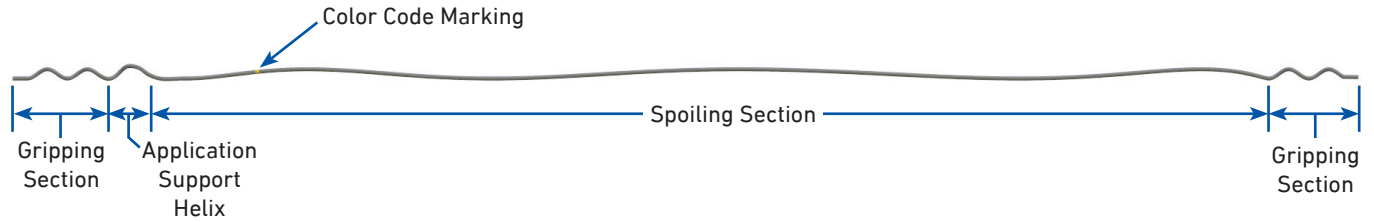
AIR FLOW SPOILER

The **Air Flow Spoiler** is a motion control product used to suppress galloping of cable spans. Galloping can rapidly cause severe damage to the cable system. Using the recommended number of Air Flow Spoilers can suppress 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 are determined by an internally-developed program based on the results of ongoing field and laboratory research
- Made of rigid non-metallic, non-corrosive thermal plastic
- Maintains aerodynamic stability by providing a continually changing profile to the wind
- Reduces guy wire motion
- Extends support hardware and guy wire life

COMPONENTS



Feature	Description
Gripping Section	Gently grips the cable
Application Support Helix	Prevents the spoiler from falling off the cable as the gripping section is applied
Spoiling Section	Provides a change in the aerodynamic profile of the cable to mitigate galloping
Color Code Marking	Identifies the product's cable diameter range

ORDERING INFORMATION

PLP uses an internally developed program that utilizes the results of ongoing field and laboratory data to determine the required number and placement of Air Flow Spoilers in each cable span.

Air Flow Spoiler

Catalog Number	Cable Diameter Range		Length		Wt/Unit	Color Code
	in	mm	ft	m	lb	
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 – 29.6	15.75	4.80	5.50	Purple
5058107	1.166 – 1.469	29.6 – 37.3	16	4.88	5.75	Brown
5058108	1.470 – 1.602	37.3 – 40.7	17	5.12	9.50	Green
5058109	1.603 – 1.762	40.7 – 44.8	17.5	5.33	9.75	Pink

Number of Air Flow Spoilers per Cable Span

Span Length		Spoilers per Span	Span Length		Spoilers per Span
ft	m		ft	m	
0 – 120	0 – 36.6	2	551 – 600	167.9 – 182.9	11
120 – 180	36.6 – 54.9	3	601 – 650	182.9 – 198.1	12
181 – 240	55.2 – 73.2	4	651 – 700	198.4 – 213.4	13
241 – 300	73.5 – 91.4	5	701 – 750	213.7 – 228.6	14
301 – 350	91.7 – 106.7	6	751 – 800	228.9 – 243.8	15
351 – 400	106.9 – 121.9	7	801 – 850	244.1 – 259.1	16
401 – 450	122.2 – 137.2	8	851 – 900	259.4 – 274.3	17
451 – 500	137.5 – 152.4	9	901 – 950	274.6 – 289.6	18
501 – 550	152.7 – 167.6	10	951 – 1000	289.9 – 304.8	19

NOTE: Consult PLP for placement details.