



Air Flow Spoilers for Telecommunications Cables



Air Flow Spoilers

Air Flow Spoilers are designed to counteract a damaging wind-related phenomenon known as galloping. Galloping is a low frequency, high amplitude motion that can cause trip-outs, service interruptions, cable damage, and damage to the supporting structures and hardware at their point of connection.

Air Flow Spoilers are designed to maintain aerodynamic stability by continually changing the profile of the cable to the wind. The one-piece helically formed rod, made of rigid, non-corrosive, non-metallic plastic, controls motion problems that can damage lines. The three-section structure of the Air Flow Spoiler enables it to grip the cable or conductor firmly.

Air Flow Spoilers have proven effective in the field, significantly reducing galloping, abrasion and fatigue, and extending the life of the line.

Span Length		Spoilers Per Span	Span Length		Spoilers Per Span
feet	meters		feet	meters	
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

Catalog Number	Self Supporting Single Cable Diameter Range	1/4" Messenger Plus Single Telephone Cable within Range Shown Below	5/16" Messenger Plus Single Telephone Cable within Range Shown Below	3/8" Messenger Plus Single Telephone cable Within Range Shown Below	Multiple Lashed Cables All Messenger Sizes	Carton Quantity
5058102*	.462"-.563"	.319"-.434"	.319"-.372"	—	.448"-.574"	25
5058103*	.564"-.760"	.435"-.619"	.373"-.565"	.319"-.495"	.575"-.717"	25
5058104*	.761"-.926"	.620"-.828"	.566"-.765"	.496"-.716"	.718"-.896"	15
5058105*	.927"-.1019"	.829"-.1000"	.766"-.954"	.717"-.891"	.897"-.1041"	15
50589317	—	1.001"-.1165"	.955"-.1100"	.892"-.1040"	1.042"-.1200"	15
50588710	—	1.166"-.1350"	1.101"-.1280"	1.041"-.1250"	1.201"-.1371"	15
50589318	—	1.351"-.1560"	1.281"-.1480"	1.251"-.1470"	1.372"-.1542"	15
50589319	—	1.561"-.1770"	1.481"-.1670"	1.471"-.1670"	1.543"-.1686"	15
50588867	—	1.771"-.1970"	1.671"-.1850"	1.671"-.1850"	1.687"-.1839"	15
50589291	—	1.971"-.2.250"	1.851"-.2.150"	1.851"-.2.100"	1.840"-.2.200"	15

* Application Support Helix gripping sections are standard on one end of these Air Flow Spoilers. All other Air Flow Spoilers have conventional gripping sections on both ends.
Contact PLP for recommendations on coaxial type cables.

Notes:

1. If Figure 8 cable or more than one cable is lashed to a messenger, furnish diameter of each cable (prefer dimensions taken with a diameter tape) and the messenger as well as a cross sectional diagram of the cable bundle, and PLP® will provide the catalog number of the AIR FLOW SPOILER to be used.
2. For estimating quantity purchase, approximately 100 Air Flow Spoilers are required per cable mile. In order to achieve satisfactory protection against cable dancing at least 20% of the span should be covered with Air Flow Spoilers.
3. Larger size Air Flow Spoilers are available on special orders.