



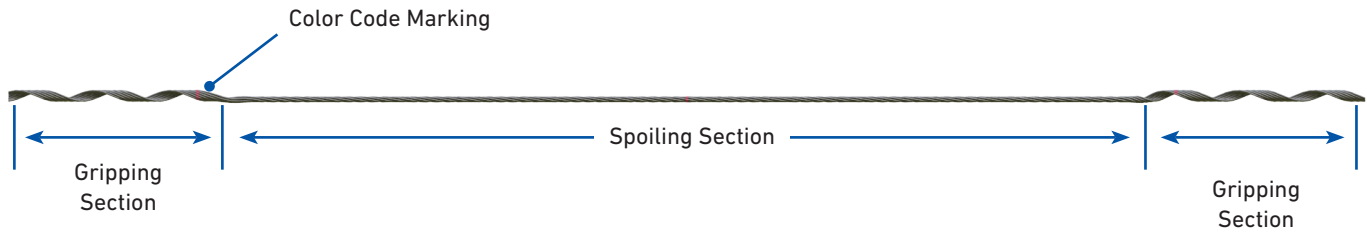
HIGH-TEMPERATURE AIR FLOW SPOILER

The **High-Temperature Air Flow Spoiler** is constructed of aluminum alloy rods that enable the device to withstand conductor temperatures up to 250°C. By subsetting multiple helical rods and cabling (twisting) the center section, the high-temperature Air Flow Spoiler functions in the same manner as the standard Air Flow Spoiler.

FEATURES AND BENEFITS

- Central spoiling section suppresses galloping by providing a constantly changing aerodynamic profile, disrupting lift
- Helical gripping sections on both ends grips 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 extensive field and laboratory research
- Contact PLP for details regarding High-Temperature Air Flow Spoiler applications above 230 kV

CHARACTERISTICS



Feature	Description
Gripping Section	Gently grips the cable
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
Application Support Tool	Supports the High-Temperature Air Flow Spoiler while the gripping section on the opposite end is applied



Application
Support Tool

ORDERING INFORMATION

- Select the appropriate catalog number from the tables below using the cable's diameter

High-Temperature Air Flow Spoiler

Catalog Number	Cable Diameter Range		Length		Weight/Unit	Color Code
	in	mm	ft	m	lb	
5059017	0.761 - 0.808	19.3 - 20.5	15-1/2	4.72	5.7	Brown
5059018	0.809 - 0.856	20.6 - 21.7	16	4.88	5.8	Purple
5059019	0.857 - 0.907	21.8 - 23.0	16	4.88	5.8	Orange
5059020	0.908 - 0.962	23.1 - 24.4	16	4.88	5.9	Black
5059021	0.963 - 1.019	24.5 - 25.9	16	4.88	5.9	Red
5059022	1.02 - 1.078	26.0 - 27.4	16-3/4	5.11	10.9	Blue
5059023	1.079 - 1.138	27.5 - 28.9	16-3/4	5.11	11.0	Yellow
5059024	1.139 - 1.199	29.0 - 30.5	16-3/4	5.11	11.3	Green
5059025	1.2 - 1.263	30.6 - 32.1	17-1/2	5.33	11.5	Pink
5059026	1.264 - 1.33	32.2 - 33.8	17-3/4	5.41	11.7	Brown
5059027	1.331 - 1.399	33.9 - 35.5	18-1/2	5.64	12.2	Purple
5059028	1.4 - 1.469	35.6 - 37.3	19-1/4	5.87	12.6	Orange
5059029	1.47 - 1.549	37.4 - 39.3	21-1/2	6.55	20.2	Black
5059030	1.55 - 1.629	39.4 - 41.1	22	6.71	20.9	Red
5059031	1.63 - 1.714	41.5 - 43.5	22-1/2	6.86	21.2	Blue
5059032	1.715 - 1.805	43.6 - 45.9	23-1/2	7.16	22.0	Yellow