



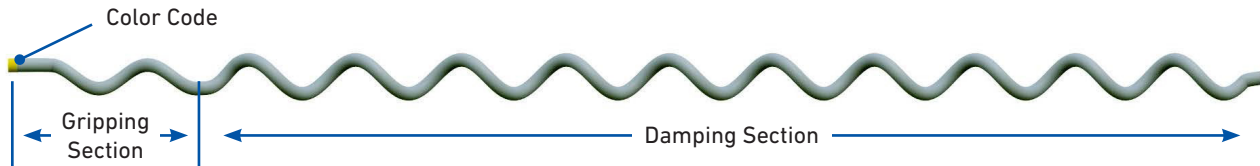
## SPIRAL VIBRATION DAMPER

The **Spiral Vibration Damper (SVD)** is a motion control product used to dissipate aeolian vibration that may occur on cable spans. Using the recommended number of Spiral Vibration Dampers minimizes bending strain, protecting the cable from long-term fatigue due to aeolian vibration.

### FEATURES AND BENEFITS

- Not placement sensitive - can be installed anywhere on the cable away from other attachments
- Helically-formed PVC-based rod makes impact with the cable to disrupt the aeolian vibration standing wave
- Gripping section of the damper gently holds the cable, preventing damage from clamping forces
- Effective over a broad range of frequencies
- Easily installed by hand
- Can be nested (subsetting), allowing easier installation
- Proven through extensive field and laboratory testing
- Thermal rating of 125°C for continuous operation
- Hi-Mass version provides the effectiveness of two standard SVDs
- Recommended aeolian vibration solution for all cables 0.75" in diameter and below

## COMPONENTS



## BASIC RECOMMENDATIONS

Total Number of SVDs Recommended per Span							
Standard				Hi-Mass			
Span Length (ft)	Standard Application	Typical Application with Final Tensions > 20% of RBS/UTS OR Crossing Span Application	Crossing Span Application with Final Tensions > 20% of RBS/UTS	Span Length (ft)	Standard Application	Typical Application with Final Tensions > 20% of RBS/UTS OR Crossing Span Application	Crossing Span Application with Final Tensions > 20% of RBS/UTS
0 - 800	2	4	6	0 - 800	1	2	3
801 - 1600	4	6	10	801 - 1600	2	3	5
1601 - 2400	6	10	16	1601 - 2400	3	5	8

**NOTE:** For spans over 2400 ft, contact PLP.

## ORDERING INFORMATION

- Select the appropriate Spiral Vibration Damper catalog number from the table below using the cable diameter
- Refer to the Basic Recommendations table below to determine the number of Spiral Vibration Dampers required per span

### Standard Spiral Vibration Damper

Catalog Number	Cable Diameter Range		Length		Per Carton	
	in	mm	in	mm	Units	Weight/lb
5050102	0.174 - 0.249	4.4 - 6.3	46	1.17	50	29
5050103	0.250 - 0.326	6.3 - 8.3	49	1.25	50	49
5050104	0.327 - 0.461	8.3 - 11.6	51	1.30	50	34
5050105	0.462 - 0.563	11.7 - 14.2	53	1.35	50	36
5050106	0.564 - 0.760	14.3 - 19.3	65	1.65	25	50

### Hi-Mass Spiral Vibration Damper

Catalog Number	Cable Diameter Range		Length		Per Carton	
	in	mm	in	mm	Units	Weight/lb
5050200	0.250 - 0.326	6.3 - 8.3	87	2.21	50	55
5050201	0.327 - 0.461	8.3 - 11.6	91	2.31	50	60
5050202	0.462 - 0.563	11.7 - 14.2	94	2.39	50	65
5050203	0.564 - 0.760	14.3 - 19.3	97	2.46	15	55

**NOTE:** Hi-Mass Spiral Vibration Dampers are longer in length and heavier than standard SVDs. The benefit is that they reduce the number of installations in half. Hi-Mass SVDs are recommended for longer span applications.