



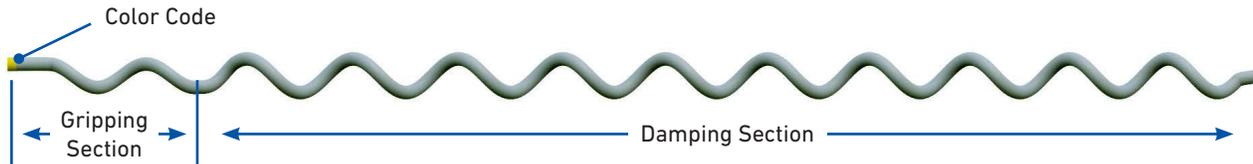
SPIRAL VIBRATION DAMPER

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.