

Mooring Line Fairings

Under certain flow conditions, taut mooring lines can vibrate or “strum”. The strumming is caused by vortices that result from the water passing over the line diameter. Strumming not only creates cable fatigue, it can have a detrimental effect on instruments in the mooring string.

Our mooring line fairings reduce strumming by eliminating this vortex action. Less strumming means less fatigue on the line. Additionally, the fairing design reduces drag on the mooring line resulting in less mooring layover. The drag coefficient for a 3/8” jacketed wire cable is 1.20, whereas the mooring line fairing is 0.17. This is an improvement of over 85%.

Fairings are made of durable ABS plastic. They are easily loaded onto a taut mooring line during deployment simply by separating the ends of the fins and installing over the line.

Unlike other solutions, our product can be installed over select portions of the line, requires no maintenance, does not suffer from tangling problems, and resists biofouling.

The standard units are designed for 1/4” and 3/8” jacketed wire rope and are 12” in length. Other diameters and lengths can be produced upon request. End clamps are also available to limit the vertical movement of the fairing on the line.



PART NUMBER

DESCRIPTION

MLF-0.33-12.0-ABS	Mooring Line Fairing, 0.33" ID x 12" Long, ABS
MLF-C-JWR-0.25	Mooring Line Fairing Clamp for 1/4" Jacketed Wire Rope
MLF-0.50-12.0-ABS	Mooring Line Fairing, 0.50" ID x 12" Long, ABS
MLF-C-JWR-0.38	Mooring Line Fairing Clamp for 3/8" Jacketed Wire Rope