

# International Leader of Flexible, Adaptable Mooring Systems and Components

Delivering REAL-TIME monitoring from the Seafloor-to-Surface

**EOM Offshore: INNOVATIVE, FLEXIBLE, AND RELIABLE**



The EOM Offshore team has decades of combined experience in mooring design, on-board operations and logistics, and oceanographic solutions spanning the global ocean. Our experience in solving complex oceanographic challenges enables EOM Offshore to operate in all ocean environments and depths. From coastal shelf to full ocean, at all latitudes from equatorial to arctic, EOM Offshore provides solutions using our advanced marine technology.

With innovative, unique mooring projects and services divided into five core segments: metocean data collection including floating LiDAR, passive acoustic monitoring, mooring design and modeling, marine logistics and support, buoy and mooring system manufacture. EOM Offshore can support multiple market segments and objectives.



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**EOM Offshore's products have been designed to handle the energetic environment of the ocean, while continuously delivering real-time data from the seafloor-to-surface.**

## Stretch EM Cable

EOM Offshore's patented Stretch EM Cable is the result of decades of development at the Woods Hole Oceanographic Institution. The Stretch EM Cable is a compliant mooring riser element that has proven its robustness, surviving tens of millions of cycles without failure. The Stretch EM Cable is designed to stretch 2.5 times its length in rough sea states without disrupting its ability to transfer electrical data and power. In calm conditions, the Stretch EM Cable returns to its original length, minimizing the watch circle.

EOM Offshore's Stretch EM Cable easily integrates with other mooring subcomponents, allowing our products to be used in diverse locations at any depth. EOM Offshore's products may be used to support commercial, research, and defense applications, requiring fixed measurements and real-time data. The technology supports other platforms such as gliders, ROVs, and AUVs, increasing the temporal and spatial data and sampling areas.



## Technical Specs

Material	6061-T6 Aluminum Termination, Proprietary Compliant Rubber Compound, Copper Conductor Wire
Conductor Arrangements	4, 6, 8 - 22 AWG (UTP - 24 AWG*)
Standard Lengths	30ft/9m; 50ft/15m; 100ft/30m
Working Load	Up to 10,000 lb / 4,500 kg
Maximum Elongation	2.5X standard length
Voltage Rating	Up to 480V
Data Rate	Up to 100 Mbps
Termination Flange Size/Bolt Pattern	4.5 inch 6 x 1/2 at 60° / 9 inch 6 x 5/8 at 60°
Design Life	5-7 years
	*Ethernet Available

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