

Floating Wind Export Cable Buoyancy

DeepWater Buoyancy's Export Cable Buoyancy provides distributed buoyancy for platform-to-seafloor floating wind applications. This buoyancy can reduce top tension loads, as well as support compliance in the export cable to permit movement of the floating platform.

Modules are custom-designed for each application, taking into consideration the required uplift, cable specifications, and deployment strategy. Designs are verified through finite element analysis and validated with in-house testing.

Modules have a buoyant core of high-performance DeepTec® syntactic foam within either a rotationally-molded polyethylene, polyurethane or fiberglass shell. These modules are designed with an integral elastomeric clamping system that allows the modules to remain securely in place, resisting both axial and torsional loads. Compression of the clamp is maintained by either standard hardware or by strapping systems.

In addition to buoyancy for the export cables, DeepWater Buoyancy also provides Ballast Modules for the cables and Mooring Line Buoyancy.

