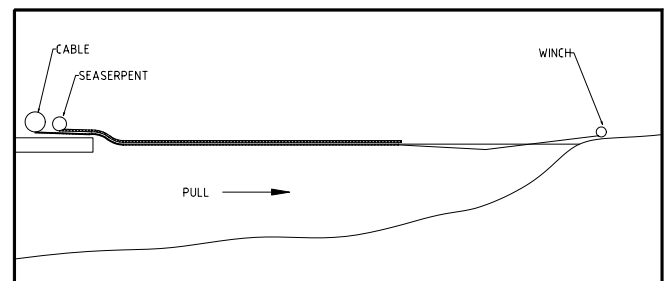
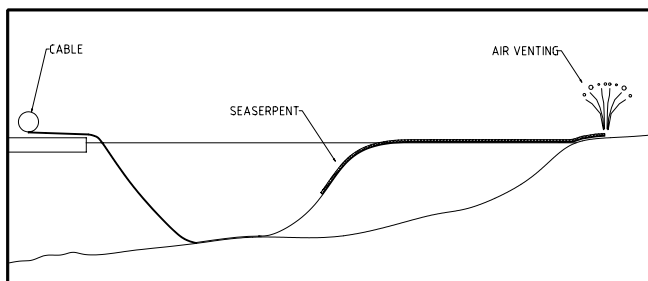


THE CONTROLLED WAY TO INSTALL CABLES IN SHALLOW WATER

Instead of using multiple floats to support a submarine cable during installation in shallow water, the SeaSerpent is a continuous inflatable tube attached to the cable at 1m spacing. While its support and control of the cable is excellent, perhaps its most advantageous characteristic is the operational flexibility it allows the installer.

Supplied in 'lay flat' form on a transport, deployment, recovery (TDR) drum the tube is inflated as it unwinds and is attached to the cable just before the launch point. This allows rapid and near continuous deployment.

When the correct length of cable is afloat and positioned accurately on its line, the air is vented from one end of the tube allowing the cable to sink progressively into the desired position. This sinking process is under complete control and may be slowed, stopped or reversed at will.



The form stiffness developed by the SeaSerpent decreases kinking tendencies and eliminates sagging between floats and the requirement to keep constant tension on the cable. This characteristic, coupled with the unrivalled control of the sinking process, allows installers much greater flexibility in procedures. It is for instance possible to park the cable on the bottom during adverse tidal periods and re-float it when required, or tow sections of cable to installation sites several kilometres from the launch point.

The SeaSerpent eliminates losses of individual buoyancy units and saves a huge amount of space and manpower at the launch point. With only 1.5m² of deck space required for 1km of buoyancy, the SeaSerpent offers significant savings in transport, storage and replacement costs as well as the operational advantages of speed and control.

Seaflex can manufacture SeaSerpent for individual buoyancy requirements although most cable weights are applicable to Seaflex's Standard Range. The table shows Standard Range SeaSerpent specifications. SeaSerpent and ancillary transport, deployment and recovery systems are available for hire or purchase.

Since 1996 Seaflex Limited have been certified to ISO9002 by Lloyds Register Quality Assurance for - 'The manufacture, repair and hire of heavy duty flexible load bearing structures, primarily air lift bags and fluid storage tanks'.



TYPE	Buoyancy (kg/m)	Lay Flat Width (mm)	Inflated dia. (mm)
2650/9/30	6	141	90
2650/8/25	8	160	102
2650/7/20	10	182	116
2650/6/15	13	213	136
2650/5/15	20	259	164
2650/4/12	33	320	205
2650/3/10	60	435	280
2650/2/6	130	650	420