

SEAFLEX SEASERPENT

DESCRIPTION AND DIMENSIONS

SeaSerpent is a tubular buoyancy system designed for handling cables in shallow water; usually shore endings or river crossings. Supplied in sections of 50m, 100m or 200m that can be coupled to make up any desired length, SeaSerpent sections are supplied in 'lay flat' form, tightly wound on a drum.

This is mounted just above the cable where it exits the cable engine and by attaching it to the cable as it passes below the drum and introducing air from the free end, floating cable can be deployed in any length.

Once the required length is afloat and a pressure differential applied to one end, the cable can be laid on the seabed under complete control from the surface. If necessary the laying operation can be slowed, stopped or even reversed by simple control of internal air pressure.

For one off applications, SeaSerpent sections are supplied on timber drums or flaked into crates that are adequate for one or two deployments. If the units are to be used repeatedly, then steel drums are recommended to fit a Deployment/Recovery Unit (DRU). These can be fabricated by customers to drawings (available from Seaflex Ltd.) or can be supplied by us on a hire or sale basis. As a guide, the un-powered Deployment Unit costs around £1,500 and the hydraulic powered Recovery Unit costs around £4,500 depending on customer requirements.

SEASERPENT DIMENSIONS

TYPE	LAY flat width	INFLATED O.D mm.	BUOYANCY kg/m	WEIGHT kg/50m section	DRUM Diameter & Width
2650-1-3	1318	830	545	143	770 x 1500
2650-2-7	655	430	132	76	770 x 800
2650-3-10	434	275	60	54	770 x 550
2650-4-13	324	205	33	43	770 x 450
2650-5-16	258	164	22	37	770 x 450
2650-6-20	213	137	15	32	770 x 450

* Drums for 200m lengths have a diameter of 1100mm

USING SEASERPENT

While the principle is simple it is important that users of the system familiarize themselves with the notes on usage and particularly attention should be paid to the recovery and handling of the equipment after it is released from the cable. With the tube re-wound onto its drum, it is very compact and safe from damage. If allowed to lie around on the beach or on the seabed deflated, it is very susceptible to damage.

STORAGE

Normal requirements – out of direct sunlight, preferably not in an un-shaded container and safe from rodent attack or accidental damage by fork lift trucks etc.