

Marlow®

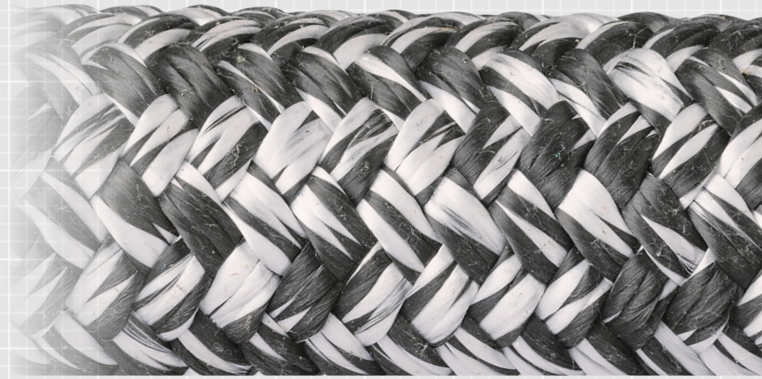
OCEANUS

Marlow Oceanus is a high strength, low elongation "jacketed" rope using a specially designed high Dyneema SK99 or SK78 core. Firm and round in profile, Oceanus has been specifically designed for use on captive or traction winches and offers excellent drum spooling properties.

The Dyneema / Technora or Polyester cover significantly improves abrasion and cut resistance, whilst offering excellent grip and protection of the load bearing core. Core and cover are bonded along the length of the rope offering superior core / cover adhesion, virtually eliminating cover slip.

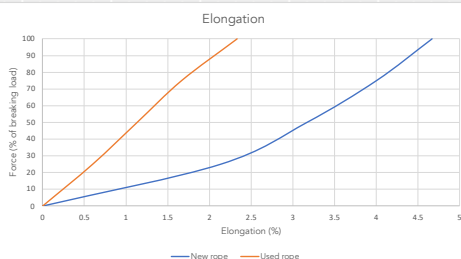
A 32 plait version made with bio-based Dyneema has allowed the use of a thinner cover which in turn has allowed a larger core to be used. Benefits include increased strength and improved factors of safety in applications where size is constrained.

The core design has also been engineered to improve splicing and resistance to bending and compression fatigue.



The specification data below is based on an Oceanus SK99 core and blended technora cover. Data available for other fibre options on request.

DIAMETER		CIRCUMFERENCE		MASS		AVERAGE STRENGTH			MIN STRENGTH		
mm	Inch	g/m	lb/100 ft	kg	lb	kN	kg	lb	kN		
22	2 3/4	272	20.5	41,700	91,800	409	37,500	82,700	368		
24	3	332	23.4	47,900	106,700	470	43,100	95,000	423		
26	3 1/4	419	32.5	59,500	131,000	584	53,000	118,000	525		
28	3 1/2	490	38.4	71,000	157,000	697	63,900	141,000	627		
30	3 3/4	530	41.1	79,500	175,000	780	71,500	158,000	702		
32	4	587	46.0	87,800	194,000	862	79,000	174,000	775		
34	4 1/4	644	48.8	96,100	212,000	943	86,500	191,000	848		
36	4 1/2	742	57.5	113,000	249,000	1,110	102,000	224,000	997		
38	4 3/4	816	63.6	121,000	267,000	1,190	109,000	240,000	1,070		
40	5	889	69.6	129,000	284,000	1,260	116,000	256,000	1,140		
42	5 1/4	963	74.6	137,000	301,000	1,340	123,000	271,000	1,210		
44	5 1/2	1061	82.2	153,000	337,000	1,500	138,000	303,000	1,350		
46	5 3/4	1175	91.0	169,000	373,000	1,660	152,000	336,000	1,500		
48	6	1289	99.7	186,000	410,000	1,820	167,000	369,000	1,640		
50	6 1/4	1420	109.6	202,000	444,000	1,980	181,000	400,000	1,780		



Key Specifications:

Material:	Dyneema SK99 or SK75
Construction:	12 Strand braided core & 32 plait braided cover
Relative Density:	0.97 (floats)
Chemical Resistance:	Excellent resistance to most chemicals
UV Resistance:	Very good
Melting Point:	140°C
Critical Temperature:	80°C (exposure to temperatures over this will result in permanent strength loss)