



Characteristics

Melting point:
140° - 150°C

Specific gravity:
0,98

Abrasion Resistance:
Excellent

Elongation at break:
approximately 4,5%

Oliveira has recently developed the Vela12 range. A twelve strand braided rope made from a new yarn. These ropes fill the gap between the high strength polyester range of products and the high performance fibers (like Dyneema®SK75).

This unique product meets the requirements in the market where a rope is needed stronger than the conventional polyester ropes but less expensive by the purchase than the truly high performance ropes.

Vela12 is a floating rope with little elongation properties. It has been designed for mooring applications or for connecting vessels on the water, such as ship to ship or tug to barge. When steel wire rope in these applications becomes inefficient, Vela12 is the solution.

Vela12 elongation at a given load factor, as a percentage of the minimum breaking force of the rope:

MBF	Elongation
20%	1,0%
30%	1,5%
40%	1,8%
50%	2,2%

Article No.	Size No.	Diameter mm	Weight Kg/100 mtr	MBF mtons	MBF kN	Weight lbs/100 ft	MBF Lbs
098014	1,75	14	9,7	10,9	107	6,5	24.055
098016	2	16	13,5	14,5	142	9,1	31.923
098018	2,25	18	19,4	20	196	13,0	44.063
098020	2,5	20	22,7	24,1	237	15,3	53.280
098022	2,75	22	28,9	28,4	279	19,4	62.722
098024	3	24	34,3	33,4	328	23,0	73.737
098026	3,25	26	38,1	38,1	374	25,6	84.079
098028	3,5	28	45,8	45,3	444	30,8	99.815
098030	3,75	30	53,6	50,4	494	36,0	111.056
098032	4	32	60,8	56	549	40,9	123.420
098034	4,25	34	64,7	60,5	593	43,5	133.312
098036	4,5	36	72,4	67,3	660	48,7	148.374
098038	4,75	38	82,9	75,8	743	55,7	167.033
098040	5	40	90,6	83	814	60,9	182.994
098044	5,5	44	113	99	974	75,9	218.964
098048	6	48	129	116	1144	86,7	257.181
098052	6,5	52	153	135	1328	102,8	298.546
098056	7	56	182	157	1546	122,3	347.555
098060	7,5	60	207	177	1737	139,1	390.493
098064	8	64	134	200	1963	90,0	441.300
098072	9	72	298	252	2474	200,2	556.177

The Oliveira ropes are produced in the Oliveira factory in Paredes, Portugal, in accordance with ISO 2307:2005. The breaking forces indicated are referring to the strength in the ropes itself, without efficiency losses due to splicing or other end terminations.