



Astra Line



Astra Line is a durable line with excellent elongation properties, together with high strength and abrasion resistance.

The outstanding performance features of Astra Lines result from a specially composed yarn comprising two different fibers: a Polyver fibre core which is carefully over twisted with high grade polyester fibers.

The Astra Line's construction protects the rope from external and internal abrasion. During everyday use, the ropes will at certain points be in contact with frames, fairleads and other parts of the vessel. The polyester yarns provide resistance against such wear.

The Astra Line has high elastic elongation properties, making the rope well suited to the demands of moorings on the quay or between two vessels. The movement of the two vessels during towing is largely compensated by the elongation properties of the Astra Line.

Astra Line elongations at a given load factor, as a percentage of the minimum breaking force of the rope:

MBF	Elongation
20%	8%
30%	10%
40%	12%
50%	14%

Astra 3-strand PP/PES White

Article No.	Size No.	Diameter mm	Weight Kg/100 mtr	MBF mtons	MBF kN	Weight lbs/100 ft	MBF Lbs
158008	1	8	3,8	1,38	14	3	3.040
158010	1,25	10	5,5	2,04	20	4	4.494
158012	1,5	12	8	2,94	29	5	6.477
158014	1,75	14	10,9	4,02	39	7	8.857
158016	2	16	14,1	5,2	51	9	11.456
158018	2,25	18	17,8	6,6	65	12	14.541
158020	2,5	20	22,1	8,1	79	15	17.845
158022	2,75	22	26,8	9,8	96	18	21.591
158024	3	24	31,9	11,8	116	21	25.997
158026	3,25	26	37,6	13,6	133	25	29.963
158028	3,5	28	43,4	15,5	152	29	34.148
158030	3,75	30	49,9	17,5	172	34	38.555
158032	4	32	56,5	19,6	192	38	43.181
158036	4,5	36	71,4	24,4	239	48	53.756

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.