



MAGNARO® - Flex

PRODUCT PROPERTIES

Material	High Tenacity Polyolefin & High Tenacity Polyester
Construction	8- or 12-strand
Jacketed	No
Rotating	No
Color of Rope	White with 1 red marker
Specific Gravity	1.10 Semi-Floating
Melting Point	165°C / 260°C
Abrasion Resistance	Excellent
U.V. Resistance	Excellent
Chemical Resistance	Excellent
Dry & Wet Conditions	Identical wet & dry strengths

Dia.	Circ.	Weight	MBL (Unspliced)		MBL/LDBF*(Spliced)	
			Ton	kN	Ton	kN
36	4 1/2	83.4	34.5	338	31.0	304
38	4 3/4	92.9	38.3	376	34.5	339
40	5	103	42.5	416	38.2	375
42	5 1/4	114	46.8	459	42.1	412
44	5 1/2	122	51.6	506	46.4	455
46	5 3/4	133	56.4	553	50.7	497
48	6	143	60.0	589	54.0	530
50	6 1/4	155	65.0	638	58.5	573
52	6 1/2	166	70.6	692	63.5	624
54	6 3/4	179	76.1	747	68.5	671
56	7	189	81.0	795	72.9	716
58	7 1/4	203	86.9	852	78.2	766
60	7 1/2	221	93.3	915	83.9	824
62	7 3/4	236	99.6	977	89.6	878
64	8	245	104	1,020	93.6	918
66	8 1/4	261	111	1,085	99.5	975
68	8 1/2	283	119	1,167	107	1,050
70	8 3/4	298	125	1,226	113	1,103
72	9	311	130	1,275	117	1,148
76	9 1/2	357	150	1,472	135	1,325
80	10	393	165	1,619	149	1,457
84	10 1/2	465	177	1,736	159	1,563
88	11	498	191	1,874	172	1,687
92	11 1/2	544	209	2,047	188	1,841
96	12	590	225	2,207	203	1,985
100	12 1/2	640	245	2,400	220	2,160
104	13	692	265	2,596	238	2,336
108	13 1/2	747	286	2,800	257	2,520
112	14	803	307	3,012	276	2,710

FEATURES & BENEFITS

- Mixed or composite rope of Polyolefin and Polyester
- Special marine finish is applied for better wear resistance in the marine environment
- One of the best and most durable ropes for mooring and towing purposes
- Preferred rope for many ship owners and managers because of its strength for size and fatigue/abrasion properties
- Our custom made high tenacity polyester Magnaro® Sleeve is pre-installed on both ends of the ropes and tails, protecting the entire length of the eye against abrasion

APPLICATIONS

MOORING

- Main Line
- Tail

TOWING

- Main Line
- Pennant

ELONGATION

Elongation at % of MBL :	
MBL	Elongation
20%	4.8%
40%	8.7%
60%	12.4%
100%	16.9%

*LDBF as per OCIMF MEG4 recommendations (spliced dry condition (wet for nylon))