

## TOUGH - MIX™ 8/12

High Tenacity Polyolefin

Structure: 8/12-strand

Made of high tenacity polyolefin fiber, which is the stronger rope among PP, PE and Polyolefin ropes. Excellent breaking strength and remarkable abrasion resistance.

**Features:**

Specific Gravity: 0.91~0.93  
 Melting Point: 165  
 Breaking Elongation: 12%~20%  
 Abrasion Resistance: Very Good  
 Chemical Resistance: Very Good  
 UV Resistance: Very Good  
 Water Absorption: 0.01%  
 Wet-dry Strength Ratio: Dry ≈ Wet

**Applications:**

Floating Tow Lines  
 Mooring Lines  
 Tie-up Lines  
 Anchor Lines  
 Fishing Lines  
 Pick-up Lines



Dia		Circ.		Weight		Code	8-Strand				Code	12-Strand			
mm	inch	inch	kg/100m	lbs/100ft	Unspliced MBL		LDBF, Spliced MBL		Unspliced MBL			LDBF, Spliced MBL			
					ton		kN	ton	kN	ton		kN	ton	kN	
24	1	3	27.4	18.4	6108514	14.1	139	12.9	126	6108614	14.7	144	13.4	131	
26	1-1/16	3-1/4	32.0	21.5	6108515	16.5	162	15.0	147	6108615	17.2	168	15.6	153	
28	1-1/8	3-1/2	37.4	25.1	6108516	18.9	185	17.1	168	6108616	19.6	192	17.8	175	
30	1-1/4	3-3/4	42.7	28.7	6108517	21.4	210	19.5	191	6108617	22.3	219	20.3	199	
32	1-5/16	4	48.5	32.6	6108518	24.2	238	22.0	216	6108618	25.2	247	22.9	225	
36	1-1/2	4-1/2	60.9	40.9	6108520	30.5	299	27.8	272	6108620	31.8	311	28.9	283	
40	1-5/8	5	75.1	50.4	6108522	37.3	365	33.9	332	6108622	38.8	380	35.2	345	
44	1-3/4	5-1/2	92.8	62.3	6108523	44.3	435	40.3	395	6108623	46.1	452	41.9	411	
48	2	6	109.0	73.2	6108525	52.3	513	47.6	466	6108625	54.4	533	49.5	485	
52	2-1/8	6-1/2	127.5	85.6	6108526	60.8	596	55.3	542	6108626	63.3	620	57.5	564	
56	2-1/4	7	148.0	99.4	6108527	69.9	685	63.6	623	6108627	72.7	713	66.1	648	
60	2-1/2	7-1/2	170.0	114.1	6108528	79.2	777	72.0	706	6108628	82.4	808	74.9	734	
64	2-5/8	8	193.4	129.8	6108530	89.1	873	81.0	794	6108630	92.7	908	84.3	826	
68	3-3/4	8-1/2	218.5	146.7	6108531	100.0	980	90.9	891	6108631	104.0	1019	94.6	927	
72	3	9	245.0	164.5	6108533	111.3	1091	101.2	992	6108633	115.8	1135	105.3	1032	
80	3-1/4	10	303.0	203.4	6108536	135.1	1324	122.9	1204	6108636	140.5	1377	127.8	1252	
88	3-5/8	11	367.0	246.4	6108538	161.5	1583	146.8	1439	6108638	168.0	1646	152.7	1497	
96	4	12	436.0	292.7	6108540	190.1	1863	172.9	1694	6108640	197.7	1938	179.8	1762	
104	4-1/4	13	509.0	341.7	6108542	220.2	2158	200.2	1962	6108642	229.0	2245	208.2	2040	
112	4-5/8	14	592.0	397.4	6108545	254.9	2498	231.7	2271	6108645	265.1	2598	241.0	2362	
120	5	15	682.0	457.9	6108548	289.7	2839	263.4	2581	6108648	301.3	2953	273.9	2684	
128	5-1/4	16	775.0	520.3	6108549	328.9	3223	299.0	2930	6108649	342.0	3352	310.9	3047	
136	5-5/8	17	876.0	588.1	6108551	369.6	3622	336.0	3293	6108651	384.4	3767	349.5	3425	
144	6	18	981.5	658.9	6108552	413.3	4050	375.7	3682	6108652	429.8	4212	390.7	3829	
152	6-1/4	19	1097.0	736.5	6108554	458.6	4495	416.9	4086	6108654	477.0	4674	433.6	4249	
160	6-5/8	20	1212.0	813.7	6108555	508.5	4983	462.2	4530	6108655	528.8	5182	480.7	4711	

- a. Bespoke diameter and length is available.
- b. ±5% tolerance according to ISO 2307:2010.
- c. LDBF=Line Design Break Force according to MEG4 OCIMF Guidelines.

