

## HOPEX MIX™

### UHMWPE & High Tenacity Polyester Mixed

#### Structure: 8/12-Strand

HOPEX MIX is crafted from a blend of UHMWPE (Ultra-High Molecular Weight Polyethylene) and High Tenacity Polyester fibers, offering a lightweight yet high-strength solution. This rope provides superior abrasion and cut resistance, coupled with a higher coefficient of friction compared to other high modulus polyethylene ropes. It floats, grips securely on winches or capstans, and demonstrates excellent durability.

#### Features

- Specific Gravity: 1g/cm<sup>3</sup>
- Melting Point: 145
- Breaking Elongation: <5%
- Abrasion Resistance: Very Good
- Chemical Resistance: Very Good
- UV Resistance: Very Good
- Water Absorption: 0%
- Wet-dry Strength Ratio: Dry ≈ Wet

#### Applications

- Mooring Lines
- Towing Lines
- Lifting Slings
- Winch Lines
- Messenger Lines
- Oceanographic Cables
- Fishing Farming
- Wind Farm Lines
- Offshore Applications



Dia		Circ.	Weight		Code	8-strand				Code	Weight		12-strand			
mm	inch	inch	kg/100m	lbs/100ft		Unspliced MBL		LDBF, Spliced MBL			kg/100m	lbs/100ft	Unspliced MBL		LDBF, Spliced MBL	
						ton	kN	ton	kN				ton	kN	ton	kN
16	5/8	2	12.8	8.6	6111510	12.4	121	11.3	110	6111610	11.8	7.9	16.3	160	14.8	145
18	3/4	2-1/4	20.2	13.6	6111511	19.6	192	17.8	174	6111611	18.4	12.4	21.1	207	19.2	188
22	7/8	2-3/4	25.9	17.4	6111513	25.1	246	22.8	223	6111613	23.7	15.9	29.2	286	26.5	260
24	1	3	35.1	23.6	6111514	29.8	292	27.1	266	6111614	32.1	21.6	38.4	376	34.9	342
28	1-1/8	3-1/2	44.4	29.8	6111516	39.7	389	36.1	354	6111616	39.0	26.2	48.8	478	44.4	435
30	1-1/4	3-3/4	54.7	36.7	6111517	53.2	522	48.4	474	6111617	47.5	31.9	60.9	597	55.4	543
32	1-5/16	4	60.6	40.7	6111518	60.3	591	54.8	537	6111618	50.6	34.0	67.9	665	61.7	605
34	1-11/32	4-1/4	66.3	44.5	6111519	63.9	626	58.1	569	6111619	57.5	38.6	75.2	737	68.4	670
36	1-7/16	4-1/2	82.2	55.2	6111520	86.2	845	78.4	768	6111620	68.2	45.8	90.1	883	81.9	803
38	1-1/2	4-3/4	90.5	60.8	6111521	94.5	926	85.9	842	6111621	72.3	48.5	98.9	969	89.9	881
40	1-5/8	5	98.7	66.3	6111522	103.7	1017	94.3	924	6111622	76.3	51.2	106.6	1045	96.9	950
44	1-3/4	5-1/2	116.4	78.1	6111523	119.0	1166	108.2	1060	6111623	92.8	62.3	124.7	1222	113.4	1111
48	2	6	156.6	105.1	6111525	151.4	1483	137.6	1348	6111625	121.0	81.2	164.0	1607	149.1	1461
52	2-1/8	6-1/2	170.0	114.1	6111526	169.8	1664	154.4	1513	6111626	136.3	91.5	187.1	1834	170.1	1667
56	2-1/4	7	178.2	119.6	6111527	186.0	1823	169.1	1657	6111627	152.7	102.5	211.4	2072	192.2	1884
60	2-1/2	7-1/2	229.5	154.1	6111528	227.6	2230	206.9	2028	6111628	189.7	127.4	262.0	2568	238.2	2334
64	2-5/8	8	251.9	169.1	6111530	248.3	2433	225.7	2212	6111630	209.1	140.4	291.7	2859	265.2	2599
68	2-3/4	8-1/2	276.4	185.6	6111531	272.5	2670	247.7	2427	6111631	235.6	158.2	318.0	3116	289.1	2833
72	3	9	330.5	221.9	6111533	321.9	3154	292.6	2867	6111633	271.3	182.1	376.4	3689	342.2	3354
80	3-1/4	10	385.6	258.9	6111536	375.9	3684	341.7	3349	6111636	323.3	217.1	440.4	4316	400.4	3924
88	3-5/8	11	477.2	320.4	6111538	465.1	4558	422.8	4143	6111638	404.0	271.2	544.4	5335	494.9	4850
96	4	12	575.7	386.5	6111540	561.1	5499	510.1	4999	6111640	491.0	329.6	656.5	6434	596.8	5849

a. Bespoke diameter and length is available.  
 b. ±5% tolerance according to ISO 2307:2010.  
 c. LDBF=Line Design Break Force according to OCIMF Mooring Equipment Guidelines 4 (MEG4)

