

# PRODUCT DATA SHEET

# ROPENET

## HOPEX DUO™

### UHMWPE & High Tenacity Polyester

Structure: 12-strand

HOPEX DUO™ is a 12 construction rope made of UHMWPE fibers with high tenacity polyester jacket, offering exceptional properties. Its 12-strand braided design provides high strength, superior fatigue resistance, and creep resistance. Despite being a braided rope, it's easy to splice.

#### Features

Specific Gravity: 0.97~1.10  
 Melting Point: 145 / 260  
 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  
 Messenger Lines  
 Oceanographic Cables  
 Fishing Farming  
 Wind Farm Lines  
 Offshore Applications



Code	Dia		Circ. inch	Weight		Unspliced MBL		LDBF, Spliced MBL	
	mm	inch		kg/100m	lbs/100ft	ton	kN	ton	kN
6113612	20	13/16	2-1/2	28.0	18.8	38.8	380	34.7	340
6113613	22	7/8	2-3/4	33.6	22.6	45.9	450	41.3	405
6113614	24	1	3	39.7	26.7	53.1	520	48.0	470
6113615	26	1-1/16	3-1/4	46.3	31.1	61.2	600	55.1	540
6113616	28	1-1/8	3-1/2	53.4	35.9	69.9	685	62.8	615
6113617	30	1-1/4	3-3/4	61.0	41.0	79.1	775	71.4	700
6113618	32	1-5/16	4	69.0	46.3	88.3	865	79.6	780
6113619	34	1-11/32	4-1/4	77.5	52.0	98.5	965	88.8	870
6113620	36	1-7/16	4-1/2	86.6	58.1	109.2	1070	98.5	965
6113621	38	1-1/2	4-3/4	96.1	64.5	119.9	1175	108.2	1060
6113622	40	1-5/8	5	106.1	71.2	131.1	1285	117.9	1155
6113623	44	1-3/4	5-1/2	127.4	85.5	155.6	1525	140.3	1375
6113625	48	2	6	150.6	101.1	181.1	1775	163.3	1600
6113626	52	2-1/8	6-1/2	175.7	118.0	208.7	2045	187.8	1840
6113627	56	2-1/4	7	202.6	136.0	237.8	2330	213.8	2095
6113628	60	2-1/2	7-1/2	231.4	155.4	268.9	2635	241.8	2370
6113630	64	2-5/8	8	262.0	175.9	301.0	2950	270.9	2655
6113631	68	2-3/4	8-1/2	294.4	197.7	335.2	3285	301.5	2955
6113633	72	3	9	328.6	220.6	370.9	3635	333.7	3270
6113634	76	3-1/8	9-1/2	364.6	244.8	408.2	4000	367.3	3600
6113636	80	3-1/4	10	402.4	270.2	446.4	4375	402.0	3940
6113638	88	3-5/8	11	483.4	324.5	528.6	5180	475.5	4660
6113640	96	4	12	571.4	383.6	616.3	6040	554.6	5435

- 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)

