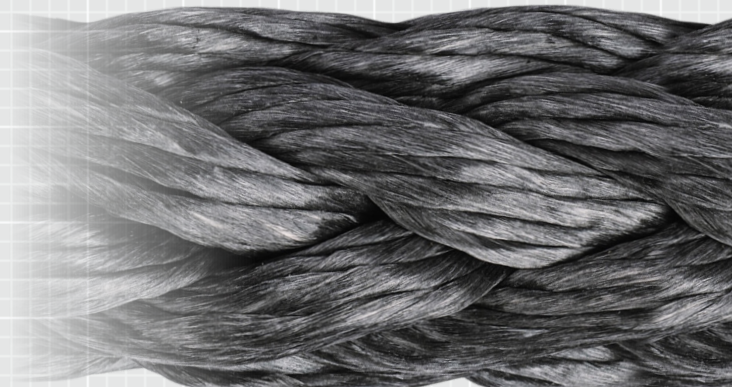


Marlow ^{DATASHEET}®

HM12

Marlow HM12 is a high-performance 12-strand rope manufactured with HMPE (High Modulus Polyethylene), designed to meet the rigorous demands of various industrial and marine applications. This rope is engineered for exceptional strength, durability, and lightweight performance, making it an ideal replacement for traditional wire ropes.

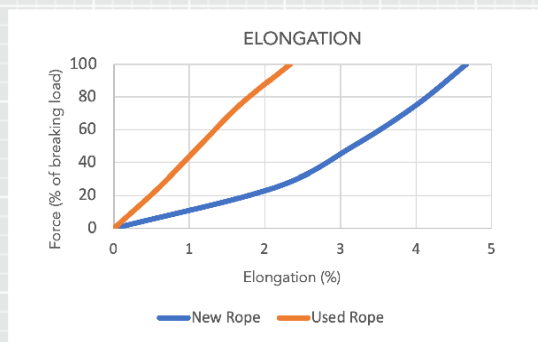
HM12 offers excellent tensile strength, lightweight handling, minimal stretch, and excellent abrasion resistance thanks to Marlow's ArmourCoat PU finish. Its versatility allows it to be customised for various applications, including marine, industrial, lifting and safety applications, ensuring reliable, value for money performance in demanding environments.



Diameter		Mass		Linear Breakload		Average strength (spliced)			Min strength (spliced)		
mm	Inch	g/m	lb/100 ft	kg	kg	lb	kN	kg	lb	kN	
6	7/32	22	1.45	4344	3910	8610	38.3	3590	7920	35.2	
8	5/16	39	2.59	7633	6870	15100	67.4	6320	13900	62	
10	3/8	60	4.04	11888	10700	23500	105	9810	21600	96.3	
12	1/2	87	5.82	17000	15300	33700	150	14100	31000	138	
14	43/78	108	7.27	20444	18400	40700	181	17000	37400	166	
16	5/8	145	9.7	25666	23100	51000	227	21300	46900	209	
18	23/32	195	13.1	33666	30300	66700	297	27800	61400	273	
20	13/16	239	16	39777	35800	78900	351	32900	72600	323	
22	7/8	289	19.4	46555	41900	92500	411	38600	85100	379	
24	1	318	21.3	49444	44500	98200	437	41000	90400	402	
26	1 1/32	391	26.2	58555	52700	116000	517	48500	107000	476	
28	1 3/32	434	29.1	64111	57700	127000	566	53100	117000	521	
30	1 3/16	521	34.9	77000	69300	153000	679	63700	140000	625	
32	1 1/4	579	38.8	85444	76900	170000	755	70800	156000	694	
34	1 11/32	636	42.7	94000	84600	187000	830	77900	172000	764	
36	1 13/32	694	46.6	102555	92300	204000	906	85000	187000	833	
38	1 1/2	781	52.4	115555	104000	229000	1020	95600	211000	938	
40	1 9/16	868	58.2	127777	115000	254000	1130	106000	234000	1040	

Ropes designed in accordance with ISO 10325:2018

Linear MBL refers to unspliced ropes determined in accordance with ISO2307:2019



Key Specifications:

Material:	HMPE (High Modulus Polyethylene)
Construction:	12 x 1 single braid construction
Coating:	Marlow ArmourCoat Polyurathane
Relative Density:	0.97 (floats)
Chemical Resistance:	Excellent resistance to most chemicals
UV Resistance:	Very good
Melting Point:	140°C
Critical Temperature:	80°C (exposure to temperatures over this will result in permanent strength loss)

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ISO 9001
ISO 14001

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