

Marlow® DATASHEET

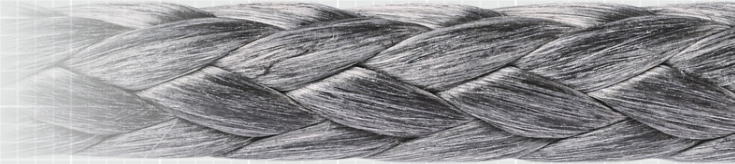
WINCHLINE

Marlow Winchline is a low stretch, high strength 12-strand rope, protected with coated fibres to improve abrasion resistance and protect from the ingress of dirt, grit and oil.

Manufactured using high strength HMPE fibre, specially selected and tested by Marlow for its consistency and performance.

Manufactured using a 12x1 12-strand construction that helps maintain a round profile even under load, Winchline is coated with Marlow's proprietary ArmourCoat and is pre-stretched to reduce constructional stretch and bedding-in issues on first use.

Whilst designed for use on electric and hydraulic vehicle winches, Winchline has a multitude of uses and applications in commercial applications as well as being a credible and cost effective alternative to steel wire.



Nominal Diameter		Mass (Weight)		Minimum Linear Strength ISO 2307			Minimum Spliced Strength			Average Spliced Strength		
mm	Inch	g/m	lb/100 ft	kg	lb	kN	kg	lb	kN	kg	lb	kN
6.0	7/32	19.60	1.32	3,200	7,056	31.44	2,880	6,350	28.30	3,130	6,900	30.70
8	5/16	34.30	2.30	6,478	14,333	63.56	5,830	12,900	57.20	6,340	14,000	62.20
9.0	3/8	41.70	2.80	7,811	17,222	76.7	7,030	15,500	69.0	7,640	16,800	75.0
10	13/32	51.50	3.46	9,744	21,444	95.6	8,770	19,300	86.0	9,530	21,000	93.5
11	7/16	61.3	4.11	12,000	26,444	117.4	10,800	23,800	105.7	11,700	25,800	114.9
12	15/32	71.1	4.77	13,667	30,222	134.3	12,300	27,200	120.9	13,400	29,500	131.4

Ropes designed in accordance with ISO 10325:2018

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



Key Specifications:

Material:	HMPE
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)
Creep:	Creep is a factor of load, temperature and time. Increasing any of these factors will increase creep.