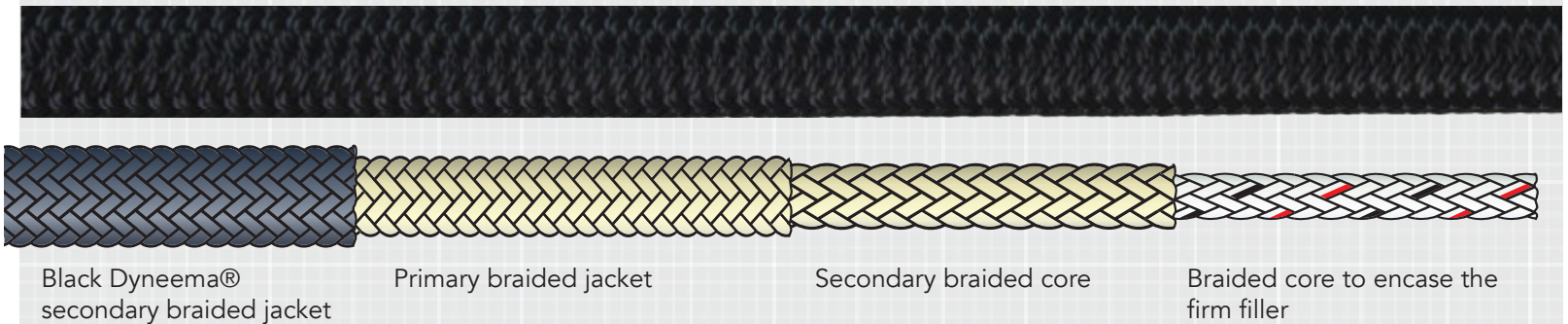


Marlow[®] DATASHEET

PRO-DRIVE TORSION ROPE v.2 AN UPGRADE EVOLUTION



Following the success of Marlow's original torsional cable, the **PRODRIVE v.2** has been through an upgrade evolution which sees a number of engineered improvements resulting in a better performing rope product with improved rigidity and stiffness without increasing the cost.

The increased performance is gained through the high modulus aramid from the centre of the rope being replaced with a firm filler which gives the centre of the rope more rigidity and durability. This improvement necessitated the need for a braided core rather than the multiple cores seen in **PRODRIVE v.1**; a benefit of this is that the rope 'knuckles' less when bent.

As with **PRODRIVE v.1**, the **PRODRIVE v.2** has two braided jackets; the first continues to be made from aramid fibre to carry torsional load, and now the second braided jacket has been upgraded from polyester to black Dyneema[®] – a new addition to the DSM Dyneema[®] product range which wasn't available at the time of engineering **PRODRIVE v.1**.

These high modulus material improvements have ensured that meaningful stiffness has been added to the **PRODRIVE** product, and with more high modulus material placed further from the axis of rotation, a better performing rope has been born without an increase in cost.



CONSTRUCTION

MATERIAL CORE:	Para-Aramid
MATERIAL TORSION JACKET:	Para-Aramid
MATERIAL COVER:	Polyester
LOAD BEARING CORE:	Parallel twisted cores, bonded to resist compression
BRAID TORSION JACKET:	24 plait (16 plait for the 7mm)
BRAID COVER:	24 plait (16 plait for the 7mm)

PROPERTIES

LOW ELONGATION CORE:	Accurate sail shape
LOW CREEP CORE:	Maintains position
VERY HIGH TORSIONAL STIFFNESS:	Excellent torque transmission for top furling
UV RESISTANCE:	Very good
ABRASION RESISTANT JACKET:	Durable

PERFORMANCE

DIAMETER		CIRCUMFERENCE		MASS		AVERAGE STRENGTH			MIN STRENGTH		
mm	Inch	g/m	lb/100 ft	kg	lb	kN	kg	lb	kN		
7	1/4	52.0	3.49	2635	5797	25.8	2372	5217	23.3		
9	3/8	81.0	5.43	4391	9660	43.1	3952	8694	38.8		
11	7/16	116.0	7.78	6560	14432	64.4	5904	12989	57.9		
13	33/64	152.1	10.20	7872	17318	77.2	7085	15587	69.5		
15	19/32	250.0	16.77	13120	28864	128.7	11808	25978	115.8		

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