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ARMARE ZERO TWIST - SPECIFICATION GUIDE

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For racing and cruising sailboats up to 50ft, torsional rope can often be a viable and cost-effective alternative to custom furling cables. Armare Zero Twist torsional ropes are finished to your custom length requirements, each end terminated around a reinforced stainless steel furling thimble. The rope is whipped and stitched around the thimble with a heavy duty, durable plastic heat-shrink cover to provide chafe protection.

SPECIFYING A TORSIONAL ROPE

Rope Ø (mm)	Fitting Width (mm)	Max Working Load (kg)	Max Sail Area (m2)	Luff / Rope Length (m) 7	8	9	10	11	12	13	14	15	16	17	18	19	20
07	12,5	800	29	TD/BU			BU										
09	13,8	1500	37			TD		TD/BU		BU							
11	15,4	2500	55				TD		TD/BU		BU						
13	18,5	4000	88					TD			TD/BU		BU				
16	21,5	6000	100									TD		TD/BU		BU	

Note: TD = Top down cable, BU = Bottom up cable

Step 1 - Determine cable length & furling configuration (top-down or bottom-up)
We do not recommend the use of torsional ropes longer than 17,5m luff length for top-down cables & above 20m for bottom-up cables

Step 2 - Use the table to select rope diameter
To get the best performing cable, bottom-up cables can be the smallest possible diameter available at that length, whilst top-down should be the maximum possible diameter.

Step 3 - Check furling jaw & fitting width
If the furler jaw is 0.2-0.3mm larger than the fitting width, it will fit comfortably. Often the cable fitting is 1-2mm narrower than the furler jaw.

Step 4 - Check Working Load compatibility
Your cable Max working load should be comparable to the maximum working load of your furler. A cable with a much larger working load is unlikely to fit in a smaller furler but DO NOT try to put a much smaller working load cable into a larger furler as you will risk cable failure.

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